Lumiere

DESCRIPTION

Lanterra 1002 Sign is a small 2.5" line voltage sign lighting luminaire that attaches to a wall mounted straight arm and is available in aimable single and dual head configurations along with 90 degree elbow options to meet any desired rotation and vertical adjustment required for a project. Multiple standard stem length arms up to 36" are available. The luminaire also comes with various mounting, field replaceable optics and premium color tuning options. Various lenses, louvers and color or dichroic filters which can combine up to two at once to create multiple lighting effects. The fixture may be used indoors or outdoors and carries IP66 rating.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Material
Housing, hood and mounting stem are precision-machined from corrosion resistant billet stock 6061-T6 aluminum, C360 brass, C932 bronze*, C110 copper or 303/304 stainless steel.

Finish
Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS* complaint chemical film undercoating and polyester powder coat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

Natural Metals
Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze* and copper will patina naturally over time.

Hood
Hood is removable and accepts up to two internal accessories at once (lenses, louvers and filters) to achieve multiple lighting effects. Weep holes prevents water and mineral stains from collecting on the lens, even in the straight up position. The flush lens design reduces fixture length, minimizes debris collection and prevents water and mineral stains from collecting on the lens.

Gasket
Housing and hood are sealed with a high temperature silicone O-ring gasket to prevent water intrusion.

Lens
Tempered glass lens, factory sealed with high temperature silicone O-ring to prevent water intrusion and breakage due to thermal stock.

Hardware
Stainless steel hardware is standard to provide maximum corrosion resistance.

Electrical
Long life LED system coupled with electronic driver (120-277V/50-60Hz) is compatible with TRIAC (Leading Edge Dimming), ELV (Trailing Edge Dimming) and 0-10V dimming to deliver optical performance. Light can be dimmed from 100-1% while maintaining constant CCT. It will operate in -30°C to 50°C unless noted otherwise. The driver incorporates surge protection. LED's are available in 2700K, 3000K, 3500K at 90CRI and 97CRI, 4000K at 80CRI and 97CRI, 5000K at 80CRI and are industry leading high output with 87% lumen maintenance at 60,000hrs.
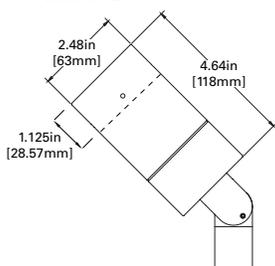
Compliance
Components are UL recognized and luminaires are cULus listed for 50°C ambient environments unless noted otherwise, wet location listed, and ROHS* compliant. IP66 Rated. Options to meet Buy American Act requirements.
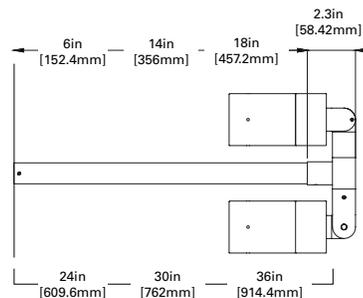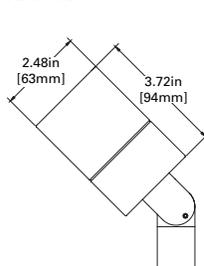
Warranty
Lumiere warrants the Lanterra series of fixtures against defects in material and workmanship for five (5) years. Auxiliary equipment such as LED drivers carries the original manufacturer's warranty.

Lanterra 1002

BAA COMPLIANT OPTICS / BUY AMERICAN ACT / AVAILABLE

LED
INTERIOR / EXTERIOR
SIGN FLOOD LIGHT
CERTIFICATION DATA
cULus - 1598
Wet Location Listed - IP66
LM79/LM80 Compliant
ROHS* Compliant
10W LED, L70/90,000@25° Celcius

DIMENSIONS

RW HOOD
2.48in [63mm]
4.64in [118mm]
1.125in [28.57mm]

FL HOOD
2.48in [63mm]
3.72in [94mm]

6in [152.4mm] 14in [356mm] 18in [457.2mm] 2.3in [58.42mm]

24in [609.6mm] 30in [762mm] 36in [914.4mm]

ORDERING INFORMATION

DOMESTIC PREFERENCES [11]	SERIES	NUMBER OF HEADS		KNUCKLE STYLE		HOOD		LED CCT & CRI	FIELD REPLACEABLE OPTIC		FINISH		STEM LENGTH		LIGHT LEVEL		VOLTAGE		MOUNTING		OPTIONS
[Blank]=Standard **BAA**=Buy American Act	1002	S1 S2 [8] SU1 SU2 [8]	1 Head 2 Head 1 Head 90 Elbow 2 Head 90 Elbow	SMS [1] RCS	Side Swivel Center Rear Swivel with Lock Rotation	RW RI FL	Standard-Recessed Lens with weep holes - Outdoor / Recessed Lens with no weep holes - Indoor / Flush lens hood	**Standard CRI** LED2790 - 2700K, 90 CRI LED 3090 - 3000K, 90 CRI LED 3590 - 3500K, 90 CRI LED 4080 - 4000K, 80 CRI LED 5080 - 5000K, 80 CRI **Premium CRI** LED 2797 - 2700K, 97 CRI LED 3097 - 3000K, 97 CRI LED 3597 - 3500K, 97 CRI LED 4097 - 4000K, 97 CRI	S M F W	Spot Medium Flood Wide	**Standard Paint Finish** BK Black BZ Bronze CS City Silver WT White **Premium Metal [3]** NBR Natural Brass NBZ Natural Bronze NCP Natural Copper NSS Natural Stainless Steel		6 14 [4] 18 24 30 36	6" Stem 14" Stem 18" Stem 24" Stem 30" Stem 36" Stem	L1 LC1 [5]	Light Level 1 (10w) Light Level Color 1 (12W)	UNV	120-277V	Surface Mount - Wall, Ceiling, Ground RSM Round Surface Mount- mounts directly to junction box. *Thermal Limitations (unless otherwise noted 50C)* **Remote Driver Housing** WRR [10] Remote Driver Housing - Round Wall WRS [10] Remote Driver Housing- Square Wall *Thermal Limitations (unless otherwise noted 50C)* **Integral Driver Mount** WIS [6] Wall Integral Driver Plate		SVPD2 [7] Stand-alone integral sensor

Notes: 1. SMS only available with 1002-S1
2. Order LC remote separately
3. Premium Metal not available for RSM option
4. Premium Metal only available upto 14" stem
5. LC1 limited to F and W optic only
6. 1002-S2 and 1002-SU2 not available for LC1
7. Only available for single head option (S1/ SU1) with RSM only
8. S2/ SU2 doubles input wattage listed
9. Only available for LEDCR
10. Remote Driver up to 60'

* ROHS Compliant - For Natural materials consult factory
11. Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
12. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Thermal Limitations (unless otherwise noted 45C)
1002-(S1,SU1)-xx-L1-xx-WIS (50C)
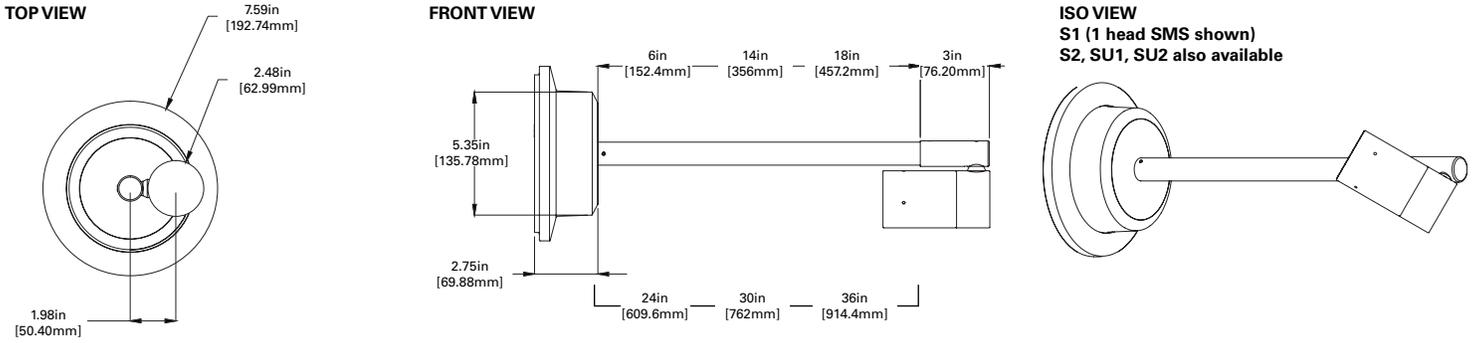1002-(S2,SU2)-xx-L1-xx-WIS (50C)

Cooper Lighting Solutions
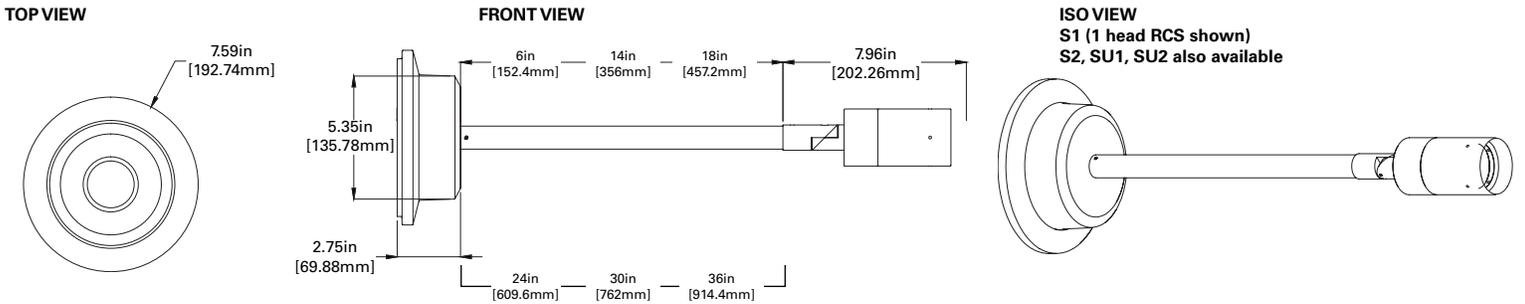
Specifications and dimensions subject to change without notice.

TD506027EN
12-2021

ACCESSORIES - ORDER SEPARATELY

ACCESSORIES [12]				OPTICS	
LCTL1RZRT452L-PK [9] Light Comissioning Tool (LCT) ISHH01LUM Programming Remote for sensor ISHH02LUM Personal Control Remote for sensor	**Filters** F71-2 Peach Dichroic F72-2 Amber Dichroic F73-2 Green Dichroic F74-2 Medium Blue F75-2 Yellow Dichroic F76-2 Red Dichroic F77-2 Dark Blue Dichroic F78-2 Light Blue Dichroic F79-2 Neutral Density Dichroic F80-2 Magenta Dichroic F22-2 Red Color F33-2 Blue Color F44-2 Green Color F55-2 Yellow Color F66-2 Mercury Color	**Lens** LSL-2 Linear Spread Lens DIF-2 Diffused Lens OSL-2 Overall Spread Lens	**Louver** LVR-2 45° Hex Cell Louver	LLR-S-2 15° Spot LLR-M-2 25° Medium LLR-F-2 40° Flood LLR-W-2 55° Wide Flood LLR-K-2 Spot, Medium, Flood, Wide Flood kit LLR-F-LC-2 40° Flood color tuning optic LLR-W-LC-2 55° Wide Flood color tuning optic LLR-K-LC-2 Flood, Wide Flood color tuning optic kit	

MOUNTINGS

ROUND SURFACE MOUNT (RSM)

TOP VIEW

FRONT VIEW

ISO VIEW
SU2 (2 head 90 degree elbow shown)
S1, SU1, S2 also available

REMOTE DRIVER HOUSING ROUND WALL (WRR)

Also available as WRS (Wall Remote Square)

TOP VIEW

FRONT VIEW

ISO VIEW
SU2 (2 head 90 degree elbow shown)
S1, SU1, S2 also available

Remote Driver distance up to 60'

WALL INTEGRAL DRIVER PLATE (WIS)

TOP VIEW

FRONT VIEW

ISO VIEW
SU2 (2 head 90 degree elbow shown)
S1, SU1, S2 also available

COOPER
Lighting Solutions

Specifications and dimensions subject to change without notice.

ROUND SURFACE MOUNT (RSM)

TOP VIEW

7.59in
[192.74mm]

2.48in
[62.99mm]

1.98in
[50.40mm]

FRONT VIEW

6in
[152.4mm]

14in
[356mm]

18in
[457.2mm]

3in
[76.20mm]

5.35in
[135.78mm]

2.75in
[69.88mm]

24in
[609.6mm]

30in
[762mm]

36in
[914.4mm]

ISO VIEW
S1 (1 head SMS shown)
S2, SU1, SU2 also available

ROUND SURFACE MOUNT (RSM)

TOP VIEW

7.59in
[192.74mm]

FRONT VIEW

6in
[152.4mm]

14in
[356mm]

18in
[457.2mm]

7.96in
[202.26mm]

5.35in
[135.78mm]

2.75in
[69.88mm]

24in
[609.6mm]

30in
[762mm]

36in
[914.4mm]

ISO VIEW
S1 (1 head RCS shown)
S2, SU1, SU2 also available

ROUND SURFACE MOUNT (RSM)

TOP VIEW

7.59in
[192.74mm]

2.48in
[62.99mm]

2.57in
[65.15mm]

FRONT VIEW

6in
[152.4mm]

14in
[356mm]

18in
[457.2mm]

2.3in
[58.42mm]

5.35in
[135.78mm]

2.75in
[69.88mm]

24in
[609.6mm]

30in
[762mm]

36in
[914.4mm]

ISO VIEW
SU1 (1 head 90 degree elbow shown)
S1, S2, SU2 also available

ROUND SURFACE MOUNT (RSM)

TOP VIEW

7.59in
[192.74mm]

2.48in
[62.99mm]

5.13in
[130.30mm]

FRONT VIEW

6in
[152.4mm]

14in
[356mm]

18in
[457.2mm]

2.3in
[58.42mm]

5.35in
[135.78mm]

2.75in
[69.88mm]

24in
[609.6mm]

30in
[762mm]

36in
[914.4mm]

ISO VIEW
S2 (2 head shown)
S1, SU1, SU2 also available

COOPER
Lighting Solutions

Specifications and dimensions subject to change without notice.

PHOTOMETRICS

Section 1 — P29421

Test Number	P29421
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-S-BK-L1-UNV
Lumens	458 Lm
Watts	10 W
LPW	45.8 Lm/W
CCT	4000K
SC (0/90/45)	0.24 / 0.24 / 0.24
Beam Angle	14°

COLOR METRIC SUMMARY

TM-30-15	Rf = 82.6
	Rg = 93.8
CRI/CIE	Ra = 84.2
	R9 = 15.1

15°

CANDLE POWER DISTRIBUTION

0 / 1,512 / 3,024 / 4,535 / 6,047
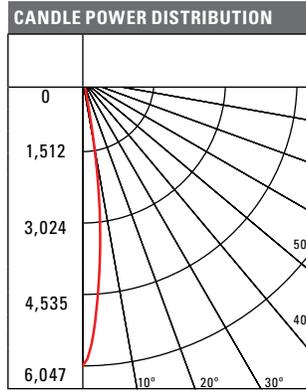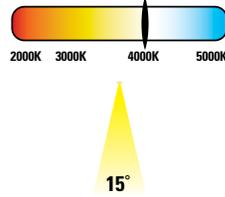
CONE OF LIGHT
Horizontal Illuminance on Floor

MH	FC	L	W
2'	1511.8	0.4	0.4
4'	377.9	0.8	0.8
6'	168	1.4	1.4
8'	94.5	1.8	1.8
10'	60.5	2.4	2.4
15'	26.9	3.6	3.6
20'	15.1	4.8	4.8
30'	6.7	7.2	7.2
40'	3.8	9.6	9.6

CANDELA TABLE

Angle	0-deg
0	6047
5	4064
10	1430
15	292
20	137
30	21
40	7
50	3
60	2
70	1
80	0
90	0

Section 2 — P29422

Test Number	P29422
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-M-BK-L1-UNV
Lumens	985 Lm
Watts	10 W
LPW	98.5 Lm/W
CCT	4000K
SC (0/90/45)	0.4 / 0.4 / 0.36
Beam Angle	23.1°

COLOR METRIC SUMMARY

TM-30-15	Rf = 82.6
	Rg = 93.8
CRI/CIE	Ra = 84.2
	R9 = 15.1

25°

CANDLE POWER DISTRIBUTION

0 / 1,380 / 2,760 / 4,139 / 5,519
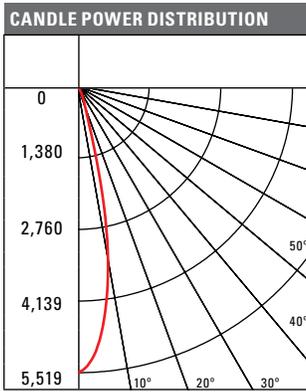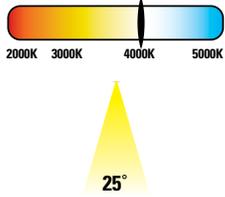
CONE OF LIGHT
Horizontal Illuminance on Floor

MH	FC	L	W
2'	1379.8	0.6	0.6
4'	344.9	1.4	1.4
6'	153.3	2.2	2.2
8'	86.2	3	3
10'	55.2	3.8	3.8
15'	24.5	5.8	5.8
20'	13.8	7.8	7.8
30'	6.1	11.8	11.8
40'	3.4	15.8	15.8

CANDELA TABLE

Angle	0-deg
0	5519
5	4909
10	3391
15	1302
20	457
30	133
40	22
50	6
60	2
70	1
80	0
90	0

Section 3 — P29423

Test Number	P29423
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-F-BK-L1-UNV
Lumens	1015 Lm
Watts	10W
LPW	101.5 Lm/W
CCT	4000K
SC (0/90/45)	0.66 / 0.66 / 0.63
Beam Angle	40.3°

COLOR METRIC SUMMARY

TM-30-15	Rf = 82.6
	Rg = 93.8
CRI/CIE	Ra = 84.2
	R9 = 15.1

40°

CANDLE POWER DISTRIBUTION

0 / 518 / 1,035 / 1,553 / 2,070
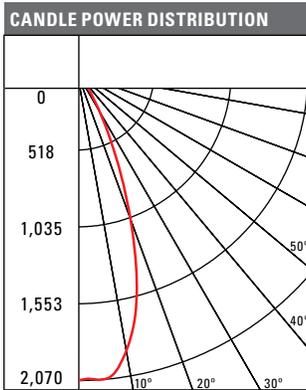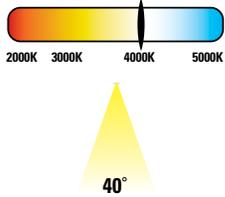
CONE OF LIGHT
Horizontal Illuminance on Floor

MH	FC	L	W
2'	517.5	1.2	1.2
4'	129.4	2.6	2.6
6'	57.5	3.8	3.8
8'	32.3	5.2	5.2
10'	20.7	6.6	6.6
15'	9.2	9.8	9.8
20'	5.2	13.2	13.2
30'	2.3	19.8	19.8
40'	1.3	26.4	26.4

CANDELA TABLE

Angle	0-deg
0	2070
5	2070
10	1900
15	1547
20	1048
30	306
40	60
50	11
60	3
70	2
80	0
90	0

Section 4 — P29424

Test Number	P29424
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-W-BK-L1-UNV
Lumens	947 Lm
Watts	10 W
LPW	94.7 Lm/W
CCT	4000K
SC (0/90/45)	0.87 / 0.87 / 0.88
Beam Angle	57.1°

COLOR METRIC SUMMARY

TM-30-15	Rf = 82.6
	Rg = 93.8
CRI/CIE	Ra = 84.2
	R9 = 15.1

55°

CANDLE POWER DISTRIBUTION

0 / 262 / 523 / 785 / 1,046
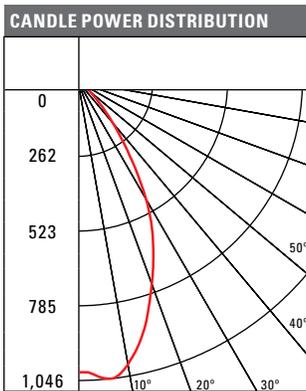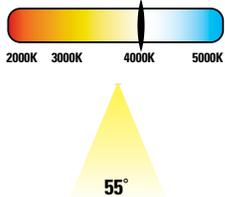
CONE OF LIGHT
Horizontal Illuminance on Floor

MH	FC	L	W
2'	257.5	1.6	1.6
4'	64.4	3.4	3.4
6'	28.6	5	5
8'	16.1	6.8	6.8
10'	10.3	8.6	8.6
15'	4.6	12.8	12.8
20'	2.6	17.2	17.2
30'	1.1	25.8	25.8
40'	0.6	34.4	34.4

CANDELA TABLE

Angle	0-deg
0	1018
5	1042
10	1005
15	896
20	754
30	477
40	189
50	56
60	13
70	2
80	0
90	0

CCT/CRI	LED2790	LED3090	LED3590	LED4080	LED5080	LED2797	LED3097	LED3597	LED4097
FC Multiplier	0.757	0.802	0.869	1.000	1.092	0.722	0.773	0.813	0.833

COOPER
Lighting Solutions

PHOTOMETRICS (PREMIUM COLOR TUNING)

Test Number	P29548
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-[LEDCB, LEDCR]-F-BK-LC-UNV
Lumens	467 Lm
Watts	13.5 W
LPW	34.6 Lm/W
CCT	3500K
SC (0/90/45)	0.68 / 0.68 / 0.62
Beam Angle	40.6°
Module set to 3500K CCT, 100% output	

COLOR METRIC SUMMARY

TM-30-15	Rf = 90.4
	Rg = 98.7
CRI/CIE	Ra = 92.5
	R9 = 65.5

2700K 3000K 3500K 4000K

40°

CANDLE POWER DISTRIBUTION
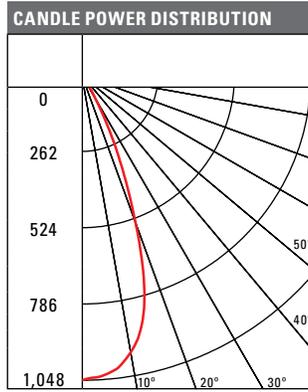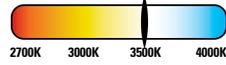
CONE OF LIGHT
Horizontal Illuminance on Floor

MH	FC	L	W
2'	262	1.2	1.2
4'	65.5	2.6	2.6
6'	29.1	4	4
8'	16.4	5.4	5.4
10'	10.5	6.8	6.8
15'	4.7	10.2	10.2
20'	2.6	13.6	13.6
30'	1.2	20.4	20.4
40'	0.7	27.2	27.2

CANDELA TABLE

Angle	0-deg
0	1048
5	1029
10	967
15	828
20	541
30	99
40	2
50	1
60	1
70	0
80	0
90	0

Test Number	P29549
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-[LEDCB, LEDCR]-W-BK-LC-UNV
Lumens	434 Lm
Watts	13.5 W
LPW	32.1 Lm/W
CCT	3500K
SC (0/90/45)	0.77 / 0.77 / 0.76
Beam Angle	48.5°
Module set to 3500K CCT, 100% output	

COLOR METRIC SUMMARY

TM-30-15	Rf = 90.4
	Rg = 98.7
CRI/CIE	Ra = 92.5
	R9 = 65.5

2700K 3000K 3500K 4000K

55°

CANDLE POWER DISTRIBUTION
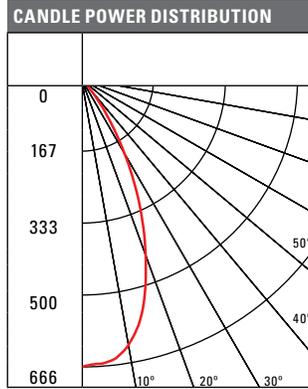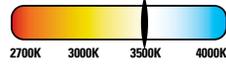
CONE OF LIGHT
Horizontal Illuminance on Floor

MH	FC	L	W
2'	166.5	1.4	1.4
4'	41.6	3	3
6'	18.5	4.6	4.6
8'	10.4	6	6
10'	6.7	7.6	7.6
15'	3	11.4	11.4
20'	1.7	15.2	15.2
30'	0.7	23	23
40'	0.4	30.6	30.6

CANDELA TABLE

Angle	0-deg
0	666
5	658
10	625
15	549
20	434
30	199
40	39
50	3
60	1
70	1
80	0
90	0

		1002-[P1] Regressed Hood - Black L1 - 10W		
		CBCP	Lumens	LPW
S Spot 15°	LED2790	4566	358	35.8
	LED3090	4837	379	37.9
	LED3590	5236	411	41.1
	LED4080	6028	473	47.3
	LED5080	6581	516	51.6
	LED2797	4350	341	34.1
	LED3097	4657	365	36.5
	LED3597	4898	384	38.4
	LED4097	5022	394	39.4
M Medium Flood 25°	LED2790	4252	724	72.4
	LED3090	4505	767	76.7
	LED3590	4877	831	83.1
	LED4080	5614	956	95.6
	LED5080	6129	1044	104.4
	LED2797	4051	690	69.0
	LED3097	4337	739	73.9
	LED3597	4562	777	77.7
	LED4097	4677	797	79.7
F Flood 40°	LED2790	1604	746	74.6
	LED3090	1699	791	79.1
	LED3590	1840	856	85.6
	LED4080	2118	985	98.5
	LED5080	2312	1076	107.6
	LED2797	1528	711	71.1
	LED3097	1636	761	76.1
	LED3597	1721	801	80.1
	LED4097	1764	821	82.1
W Wide Flood 55°	LED2790	798	685	68.5
	LED3090	846	726	72.6
	LED3590	916	785	78.5
	LED4080	1054	904	90.4
	LED5080	1151	987	98.7
	LED2797	761	653	35
	LED3097	814	699	69.9
	LED3597	856	735	73.5
	LED4097	878	753	75.3

TM30 DATA

	CCT/CRI	Rf	Rg	Ra	R9
1002	2790	91.8	100	93.8	66.3
	3090	91.3	99.1	92.1	62.6
	3590	90.4	98.7	92.5	65.5
	4080	82.6	93.8	84.2	15.1
	5080	81.4	93.3	83.8	14
	2797	94.7	100.3	98.2	92.7
	3097	94	100.1	98.6	94.2
	3597	93	99.6	98.2	95.3
	4097	91.1	97.8	95.9	87.7

LUMEN MAINTENANCE

Ambient Tempurature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C, 40°C, 50°C	> 86%	> 90,000

POWER TABLE

Number of Heads	Light Level	Input Current (A) at 120 VAC	Input Current (A) at 277 VAC	Input Power (W)
S1, SU1	L1	0.08	0.03	10
	LC1	0.1	0.085	11.4
S2, SU2	L1	0.16	0.06	20
	LC1	0.2	0.17	22.8

COOPER Lighting Solutions

INTEGRATED SENSOR - SVPD2

The Lanterra Sign 1002 with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The Lanterra Sign 1002 delivers superior lighting with integrated PIR occupancy sensing and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated circuit planning or special wiring. The Lanterra Sign 1002 delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The SVPD2 sensor is configured for outdoor use, so the integral daylight sensor will enable the luminaire to automatically adjust to daylight conditions by turning off when sufficient sunlight is present. Consult factory for indoor configuration.

Occupied light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH01LUM). While the default unoccupied level is OFF, a lower light level can be saved instead using the programming remote. The integrated sensor personal remote (Catalog Number: ISHH02LUM) provides code compliant manual raise, lower, ON, OFF control.

The Lanterra Sign 1002 with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.

HOW IT WORKS

• As the user enters the space controlled by the integral sensor, the lighting turns ON to the occupied light level.

• Lighting will remain at the occupied level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).

• If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level (default matches occupied level). This adjustable light level is often set to half of the occupied daylight level using the programming remote.

• At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.

• If sufficient sunlight is present, the luminaire will remain OFF, regardless of occupancy.
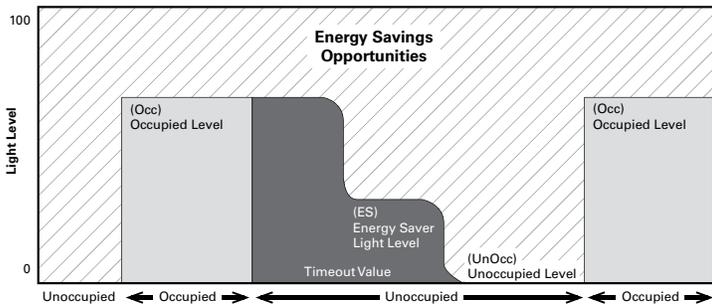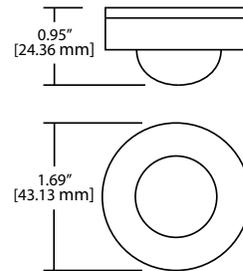
Coverage

SVPD2 Coverage Pattern (not to scale)
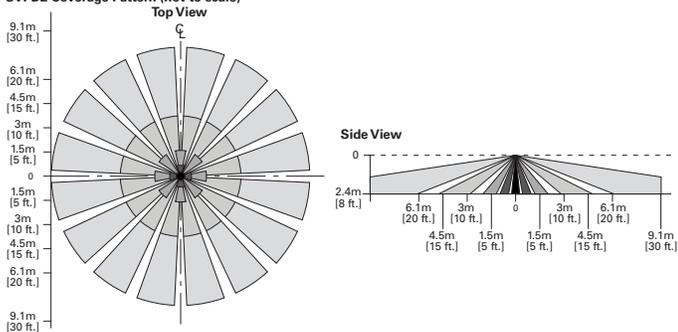
Sensor Dimensions

0.95"
[24.36 mm]

1.69"
[43.13 mm]

Optional Remote Controls

ISHH01LUM Programming Remote

ISHH02LUM Personal Control Remote

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