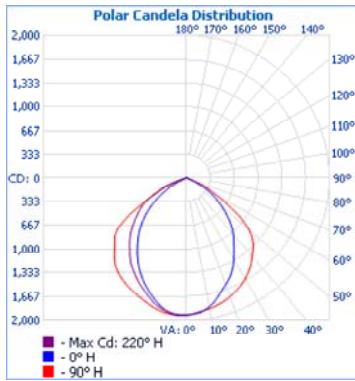




Filename: FHBL48LS32W4050LW30DMV40K
 Manufacturer: TEXAS FLUORESCENTS
 Lamp Output: Total luminaire Lumens: 4068.6
 Max Candela: 1,936.5 at Horizontal: 220°, Vertical: 3°
 Input Wattage: 34.6
 Luminous Opening: Rectangle w/Luminous Sides (L: 47.99", W: 10.98", H: 4.76")
 Test: FHBL48LS32W4050LW30DMV40K
 Test Date: 20-Feb-2017 09:48:00
 Test Lab: Radiant Vision Systems ProSource
 Photometry: Type C
 Nema Type: 7 X 6



Roadway Summary

Cutoff Classification:	N/A
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	0.0
Max Cd, 80 to <90 Deg:	18.6
Lumens % Lamp	
Downward Street Side:	2,027.6 49.8%
Downward House Side:	2,042.2 50.2%
Downward Total:	4,069.8 100%
Upward Street Side:	0.0 0%
Upward House Side:	0.0 0%
Upward Total:	0.0 0%
Total Lumens:	4,069.8 100%

Flood Summary

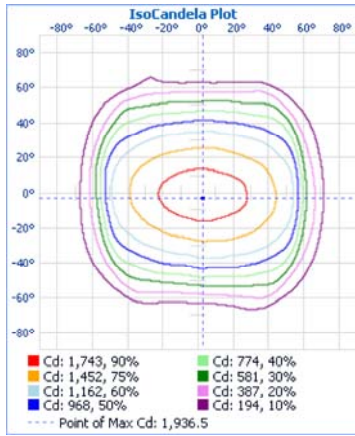
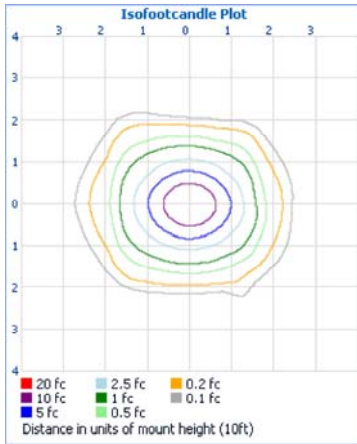
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.1%	3,991.1	138.4	125.7
Beam (50%):	74.3%	3,021.9	109.7	84.1
Total:	100%	4,068.2		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,423.7	35%
0-40	2,274.5	55.9%
0-60	3,747.5	92.1%
60-90	321.2	7.9%
70-100	37.2	0.9%
90-120	0.0	0%
0-90	4,068.6	100%
90-180	0.0	0%
0-180	4,068.6	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	180.9	4.4%	90-100	0.0	0%
10-20	506.0	12.4%	100-110	0.0	0%
20-30	736.8	18.1%	110-120	0.0	0%
30-40	850.8	20.9%	120-130	0.0	0%
40-50	830.8	20.4%	130-140	0.0	0%
50-60	642.1	15.8%	140-150	0.0	0%
60-70	284.0	7.0%	150-160	0.0	0%
70-80	36.2	0.9%	160-170	0.0	0%
80-90	1.0	0.0%	170-180	0.0	0%



Illuminance at a Distance

Center Beam Fc	Beam Width	Beam Width
1.7ft	666 fc	3.1 ft 4.0 ft
3.3ft	177 fc	6.0 ft 9.4 ft
5.0ft	77.0 fc	9.0 ft 14.2 ft
6.7ft	42.9 fc	12.1 ft 19.0 ft
8.3ft	27.9 fc	15.0 ft 23.6 ft
10.0ft	19.2 fc	18.0 ft 28.4 ft

Vert. Spread: 84.1°
 Horiz. Spread: 109.7°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80		70		50		30		10		0						
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02
1	1.11	1.07	1.04	1.01	1.09	1.05	1.02	.89	1.01	.98	.96	.97	.95	.93	.94	.92	.91
2	1.03	.96	.90	.85	1.00	.94	.89	.78	.91	.86	.83	.87	.84	.81	.85	.82	.79

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.