

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		166.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	249.3V x 180.0H 207.5V x 180.0H 36.3V x 180.0H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 982.4 lumens per klm. 822.2 lumens per klm. 192.2 lumens per klm.
	Upward LOR Downward LOR	25.9 % 74.1 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

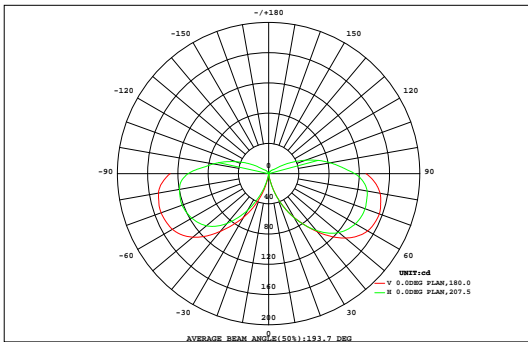
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 27.9DEG
Operators:CS01
Test Date:2019-05-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 55.7%
Test Distance:26.000m [K=1.0000]
Remarks: 2835 4000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: WBLD25W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:36.80lm/W	
MODEL	2835	Imax(cd)	157.3
NOMINAL POWER(W)	25	AVAILABILITY(%)	98.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	931.1
NOMINAL FLUX(lm)	947.685	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	947.7
TEST VOLTAGE(V)	220	θ @50%(H,V)	180,207DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.34	1.03	1.67	2.22	2.64	3.00	3.26	3.43	3.50	3.48	3.38	3.19	2.90	2.52	2.04	1.50	0.92	0.33	41.3	41.3
80	0.35	1.08	1.79	2.40	2.85	3.22	3.48	3.64	3.70	3.66	3.54	3.34	3.04	2.65	2.15	1.57	0.96	0.34	43.8	43.8
70	0.36	1.12	1.86	2.49	2.96	3.30	3.53	3.65	3.68	3.63	3.53	3.34	3.08	2.69	2.18	1.61	0.99	0.34	44.3	44.3
60	0.37	1.15	1.90	2.56	3.01	3.29	3.44	3.49	3.47	3.42	3.35	3.23	3.02	2.67	2.20	1.62	1.01	0.35	43.5	43.5
50	0.37	1.17	1.94	2.58	3.00	3.18	3.21	3.12	3.02	2.97	2.99	3.00	2.89	2.61	2.19	1.64	1.04	0.36	41.3	41.3
40	0.38	1.18	1.96	2.57	2.91	2.94	2.72	2.42	2.21	2.19	2.35	2.57	2.68	2.53	2.17	1.65	1.07	0.36	36.9	36.9
30	0.38	1.19	1.96	2.54	2.75	2.56	2.08	1.61	1.29	1.28	1.58	2.01	2.37	2.42	2.15	1.71	1.10	0.37	31.4	31.4
20	0.38	1.20	1.97	2.50	2.59	2.23	1.62	0.95	0.46	0.44	0.89	1.53	2.07	2.35	2.23	1.79	1.13	0.37	26.7	26.4
10	0.38	1.21	1.98	2.49	2.51	2.07	1.39	0.56	0.06	0.04	0.50	1.32	2.00	2.42	2.36	1.88	1.17	0.38	24.7	24.4
0	0.38	1.20	1.96	2.47	2.52	2.11	1.45	0.61	0.07	0.07	0.64	1.47	2.12	2.53	2.46	1.93	1.19	0.38	25.6	25.2
-10	0.38	1.19	1.93	2.44	2.59	2.30	1.74	1.10	0.63	0.65	1.17	1.83	2.36	2.68	2.53	1.95	1.19	0.38	29.0	28.8
-20	0.38	1.17	1.89	2.45	2.73	2.62	2.25	1.83	1.57	1.61	1.95	2.39	2.77	2.90	2.61	1.97	1.19	0.38	34.7	34.7
-30	0.37	1.15	1.87	2.49	2.89	3.00	2.86	2.65	2.53	2.59	2.81	3.08	3.23	3.12	2.67	1.99	1.19	0.38	40.9	40.9
-40	0.37	1.13	1.85	2.51	3.01	3.29	3.33	3.34	3.36	3.45	3.59	3.65	3.54	3.24	2.72	2.00	1.19	0.38	45.9	45.9
-50	0.36	1.11	1.83	2.50	3.05	3.42	3.60	3.77	3.87	3.98	4.07	3.95	3.68	3.28	2.73	1.98	1.18	0.37	48.7	48.7
-60	0.35	1.08	1.80	2.45	3.01	3.43	3.72	3.95	4.08	4.19	4.25	4.06	3.72	3.25	2.69	1.96	1.15	0.37	49.5	49.5
-70	0.35	1.03	1.72	2.37	2.92	3.35	3.68	3.92	4.06	4.18	4.23	4.01	3.64	3.17	2.61	1.89	1.12	0.36	48.6	48.6
-80	0.34	0.99	1.61	2.18	2.68	3.08	3.40	3.61	3.77	3.89	3.94	3.73	3.38	2.94	2.42	1.78	1.07	0.35	45.2	45.2
-90	0.34	0.99	1.61	2.18	2.68	3.08	3.40	3.61	3.77	3.89	3.94	3.73	3.38	2.94	2.42	1.78	1.07	0.35	45.2	45.2
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	6.58	20.4	33.5	44.2	50.6	52.4	50.8	47.7	45.3	45.7	48.8	51.7	52.5	50.0	43.1	32.4	19.8	6.55	702	---
Φ a	6.58	20.4	33.5	44.2	50.6	52.4	50.8	47.4	44.9	45.4	48.5	51.7	52.5	50.0	43.1	32.4	19.8	6.55	---	701

one-half-peak spread: U:35.2,D:31.7 , L:71.5,R:72.5 NEMA Beam Type: Type 7

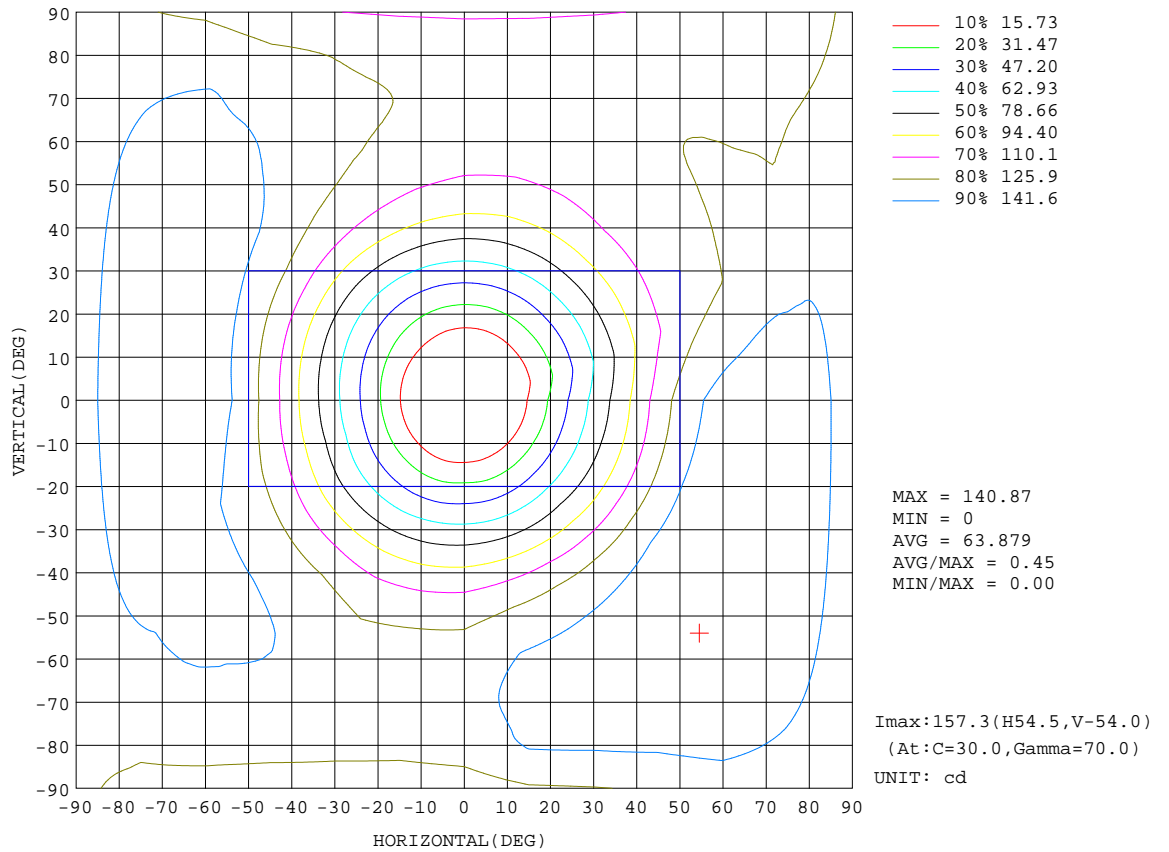
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27.9DEG
 Operators:CS01
 Test Date:2019-05-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 55.7%
 Test Distance:26.000m [K=1.0000]
 Remarks: 2835 4000K

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

NAME: WBLD25W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



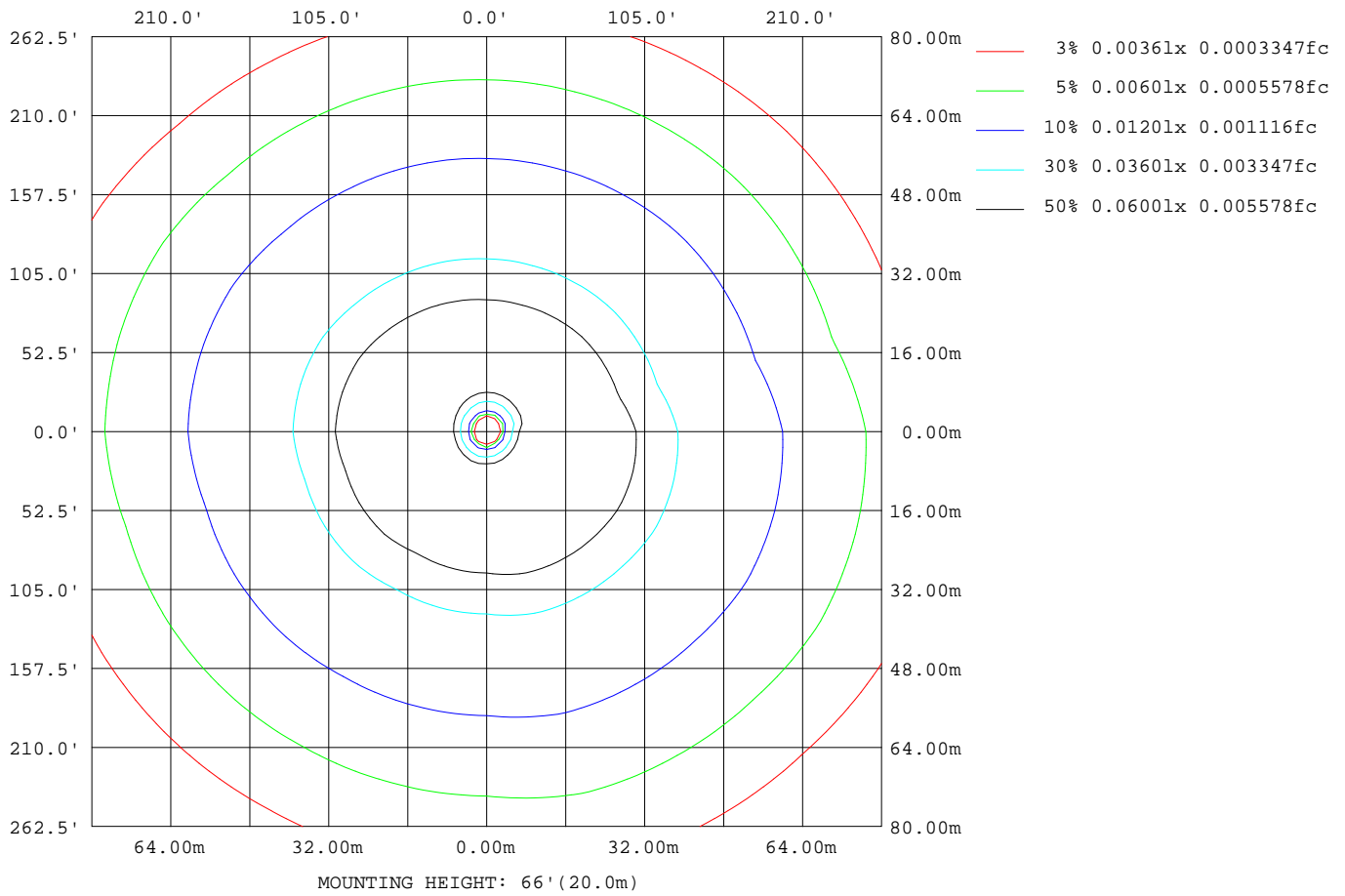
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ISOLUX DIAGRAM

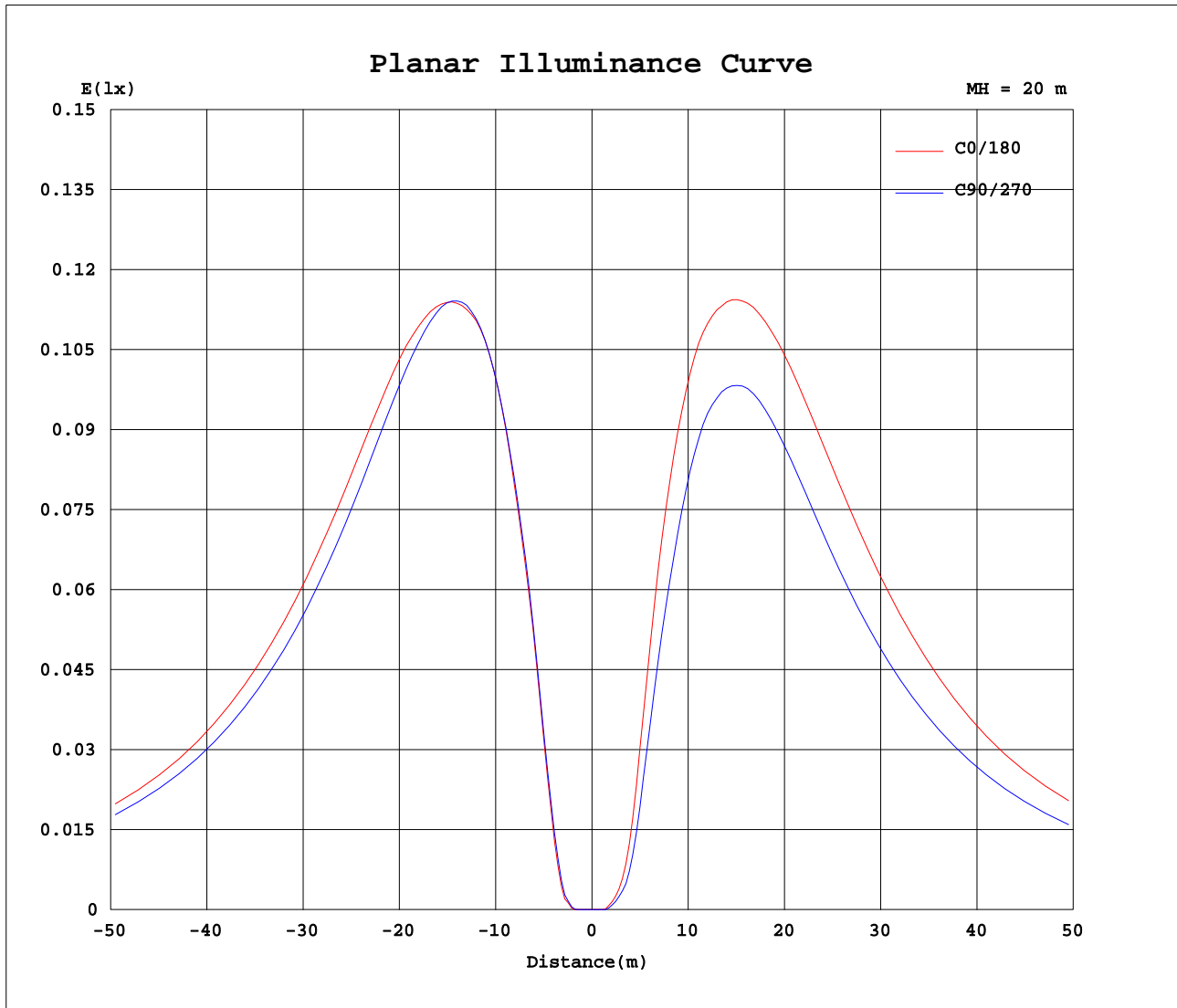
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Planar Illuminance Curve

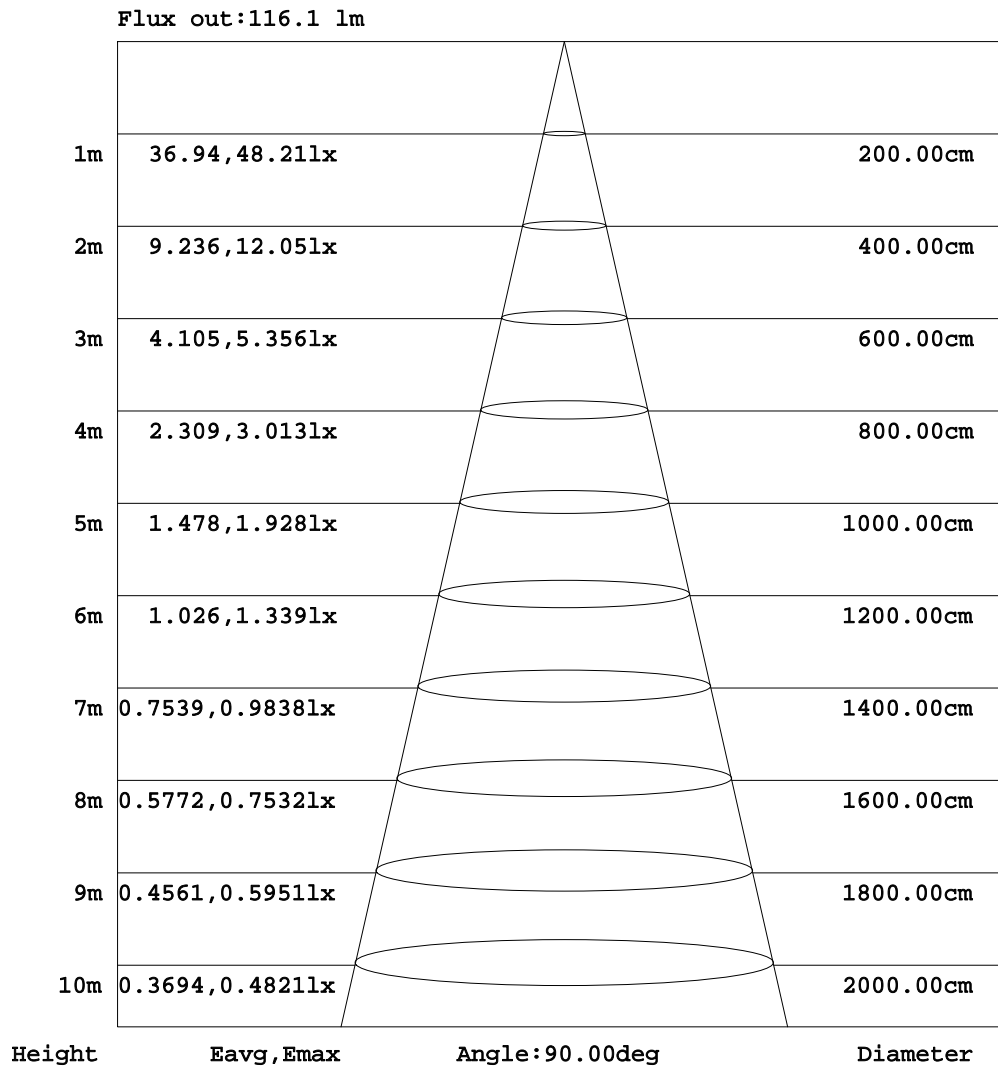


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C Interval: 15.0DEG
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Temperature: 27.9DEG
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Humidity: 55.7%
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AAI Figure

NAME: WBLD25W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: WBLD25W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	129	110	90.4	72.4	55.0	39.9	27.1	17.5	11.3	8.58	7.52	5.93	4.13	2.42	0.97	0.13	0.00	0.00	0.00
-170	129	109	90.5	72.7	55.7	40.5	27.6	17.2	10.7	8.12	6.66	4.71	2.93	1.48	0.59	0.14	0.00	0.00	0.00
-160	129	110	91.6	74.7	58.3	43.4	30.7	19.6	11.4	8.53	7.15	5.74	4.17	2.86	1.76	0.96	0.54	0.35	0.36
-150	129	111	93.7	78.1	63.0	48.9	36.6	25.7	16.8	10.7	8.43	7.33	6.28	5.19	4.23	3.46	2.80	2.39	2.25
-140	129	113	96.8	82.8	69.4	56.9	45.1	35.1	26.2	19.0	12.8	9.75	8.35	7.60	7.03	6.51	6.05	5.73	5.59
-130	129	115	101	88.6	77.3	66.7	56.7	47.2	39.0	32.0	25.8	20.7	16.4	13.0	10.9	9.69	9.06	8.77	8.67
-120	129	117	106	95.3	86.4	78.2	70.3	62.6	55.7	49.2	43.5	38.5	34.5	30.9	28.1	25.8	24.6	24.2	24.4
-110	129	120	111	103	96.4	90.7	85.2	79.8	74.8	70.0	65.8	62.1	58.9	55.9	53.2	51.0	50.8	51.4	52.4
-100	129	123	117	112	108	104	101	97.4	94.4	91.6	89.3	87.2	85.4	83.6	82.0	80.6	81.1	81.9	83.0
-90	129	126	124	121	120	120	119	118	117	116	115	114	114	113	112	112	113	113	114
-80	129	129	129	128	129	130	131	131	131	131	131	131	131	131	131	131	131	132	132
-70	129	131	133	134	136	138	139	139	139	138	137	137	135	135	135	135	135	135	136
-60	129	133	137	139	140	142	142	142	142	141	140	138	136	134	133	133	133	133	133
-50	129	135	140	142	143	143	144	144	143	142	140	136	131	126	124	123	121	121	121
-40	129	137	143	145	145	145	145	144	142	138	133	128	121	114	107	103	99.7	98.2	98.1
-30	129	139	145	147	148	146	144	142	137	131	123	113	103	92.7	83.5	76.0	70.8	67.8	67.1
-20	129	140	147	149	150	149	146	140	133	124	112	98.2	83.9	71.1	59.0	48.6	40.2	34.9	34.2
-10	129	141	148	151	153	152	148	141	132	119	104	87.7	72.3	56.6	41.5	27.2	14.2	6.28	4.04
0	129	142	150	153	156	155	151	144	133	118	100	82.9	66.7	50.2	33.6	16.3	3.60	0.32	0.00
10	129	141	149	153	155	154	151	144	133	119	102	85.0	68.8	53.2	37.9	23.8	11.8	4.12	2.03
20	129	141	148	152	154	153	151	145	136	125	111	95.5	79.7	65.6	53.1	42.0	33.2	27.3	25.1
30	129	140	147	151	153	153	151	147	141	133	123	111	98.8	86.6	76.1	67.4	61.2	57.4	56.0
40	129	138	145	149	151	152	151	148	144	138	131	124	117	109	102	96.1	91.1	87.8	86.1
50	129	137	143	147	149	150	149	148	145	140	136	131	126	121	118	114	111	109	107
60	129	135	140	144	146	146	146	146	143	139	135	133	130	127	125	123	121	119	118
70	129	133	137	140	141	142	143	141	138	135	133	132	130	128	127	125	124	123	122
80	129	131	132	134	135	135	135	133	131	129	128	127	125	124	123	122	121	121	120
90	129	128	128	127	126	124	123	120	117	114	113	112	110	110	109	108	107	107	107
100	129	125	122	118	114	110	106	101	95.6	90.8	87.4	84.3	81.5	79.6	78.0	76.6	75.7	75.0	74.6
110	129	122	115	108	100	93.3	86.8	80.6	74.6	69.2	64.4	60.3	56.7	53.7	51.2	49.2	47.9	47.0	46.5
120	129	119	109	98.5	88.9	79.9	71.4	63.3	55.7	49.1	43.4	38.5	34.4	30.9	28.0	25.7	24.1	23.0	22.6
130	129	117	103	90.7	79.2	67.9	57.3	48.0	39.7	32.8	26.8	21.8	17.6	14.4	11.9	10.1	9.06	8.66	8.40
140	129	114	98.3	84.2	70.6	57.6	45.9	36.0	27.6	20.9	15.7	12.2	9.56	8.23	7.67	7.00	6.31	5.76	5.31
150	129	112	94.8	79.0	63.6	49.5	37.5	27.3	19.5	13.9	10.1	8.52	7.69	6.73	5.66	4.43	3.23	2.34	1.79
160	129	111	92.3	75.2	58.7	44.0	31.7	21.9	14.8	10.2	8.53	7.67	6.52	5.08	3.61	2.32	1.23	0.48	0.04
170	129	110	90.8	73.0	55.8	40.8	28.2	18.6	12.2	8.97	7.98	6.84	5.22	3.47	1.92	0.74	0.10	0.00	0.00
180	129	110	90.4	72.4	55.0	39.9	27.1	17.5	11.3	8.58	7.52	5.93	4.13	2.42	0.97	0.13	0.00	0.00	0.00

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SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	0.00	0.00	0.22	1.10	2.42	4.06	5.82	7.35	8.58	12.0	18.7	29.3	42.9	59.5	76.3	93.1	110	130	
-170	0.00	0.24	0.93	1.98	3.46	5.21	6.80	8.02	9.19	13.0	20.1	30.7	44.4	60.7	77.4	93.9	111	130	
-160	0.66	1.24	2.17	3.53	5.05	6.64	7.81	8.77	10.9	15.7	24.0	34.6	48.4	64.0	80.0	95.7	112	130	
-150	2.58	3.29	4.37	5.66	6.84	7.89	8.81	10.8	14.7	21.3	30.2	41.4	55.0	69.6	84.1	98.5	113	130	
-140	6.00	6.54	7.20	7.85	8.58	9.89	12.7	16.8	23.0	30.7	39.9	51.5	64.0	77.1	89.6	102	115	130	
-130	9.02	9.52	10.5	12.1	14.8	18.8	24.0	30.0	36.8	45.0	54.5	64.5	75.3	85.9	96.3	107	118	130	
-120	25.0	26.3	28.5	31.4	35.0	39.3	44.4	50.4	56.9	64.0	72.0	79.9	87.8	95.9	104	112	121	130	
-110	53.9	55.8	58.2	60.4	63.2	66.6	70.7	75.1	79.8	84.9	90.5	96.1	101	107	112	118	125	130	
-100	85.2	87.7	90.3	91.7	93.3	95.2	97.4	99.9	103	106	109	113	116	119	123	126	128	130	
-90	117	120	123	124	125	125	126	127	128	130	131	133	133	133	132	132	131	130	
-80	136	139	143	143	143	143	143	143	144	145	145	145	143	141	139	136	133	130	
-70	139	143	146	147	147	148	148	149	149	151	152	153	150	148	144	140	135	130	
-60	136	140	143	145	146	148	149	150	153	155	156	155	153	152	148	143	137	130	
-50	124	128	132	136	139	143	146	149	152	155	157	156	155	153	150	145	139	130	
-40	101	105	110	117	124	131	137	143	149	153	155	156	156	154	151	147	140	130	
-30	69.1	73.5	80.2	88.7	98.9	110	121	132	141	148	152	154	155	154	151	148	141	130	
-20	35.8	42.3	52.1	63.8	75.6	88.1	102	117	130	141	148	152	153	153	151	148	141	130	
-10	6.88	15.6	28.9	43.3	58.8	73.7	88.7	105	121	134	144	149	151	152	151	148	142	130	
0	0.00	3.45	17.1	33.6	50.5	67.0	82.7	99.8	117	131	141	147	150	151	150	148	142	130	
10	3.33	9.70	21.0	34.1	49.1	63.9	79.5	95.8	111	123	132	139	143	146	146	145	140	130	
20	26.7	32.1	40.9	51.8	63.2	75.7	88.8	101	111	118	124	131	136	140	142	142	139	130	
30	57.2	60.8	66.5	74.2	83.3	92.9	102	110	115	120	124	126	131	135	138	140	137	130	
40	86.5	88.3	92.1	96.7	103	108	113	117	120	123	125	127	128	130	134	137	135	130	
50	107	108	109	111	114	116	119	121	123	125	126	127	127	126	131	134	133	130	
60	117	117	118	119	120	121	123	124	125	126	126	126	126	125	127	130	131	130	
70	122	121	121	122	122	123	123	124	124	124	124	124	124	124	123	127	129	130	
80	120	119	119	119	120	120	121	121	122	122	121	121	120	119	118	123	127	130	
90	107	107	107	108	108	109	110	111	111	112	112	112	113	113	113	119	125	130	
100	74.9	75.4	76.1	77.4	79.0	80.7	82.7	84.9	87.3	89.8	92.5	95.5	98.8	102	106	114	122	130	
110	47.0	47.9	49.3	51.4	53.9	56.9	60.2	64.0	67.9	71.9	76.0	80.3	84.8	89.9	96.4	108	119	130	
120	23.3	24.5	26.1	28.3	31.1	34.6	38.8	43.6	48.7	54.6	60.8	67.4	74.2	81.1	89.7	102	116	130	
130	8.54	8.93	9.70	11.1	13.6	16.9	21.2	26.2	32.1	39.1	46.7	55.2	64.1	73.3	84.8	98.0	114	130	
140	5.34	5.59	5.94	6.41	7.02	7.99	9.59	13.2	19.1	26.1	34.9	44.6	55.1	67.2	80.9	95.2	112	130	
150	1.87	2.25	2.88	3.71	4.61	5.70	6.70	8.05	10.6	16.8	25.4	36.3	48.6	62.8	77.8	93.3	110	130	
160	0.03	0.09	0.34	1.13	2.29	3.70	5.21	6.56	8.17	11.2	19.6	31.1	44.7	59.8	75.9	92.3	110	130	
170	0.00	0.00	0.00	0.05	0.81	2.29	4.26	6.16	7.77	11.0	17.9	28.9	42.7	58.7	75.4	92.2	110	130	
180	0.00	0.00	0.22	1.10	2.42	4.06	5.82	7.35	8.58	12.0	18.7	29.3	42.9	59.5	76.3	93.1	110	130	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27.9DEG
 Operators:CS01
 Test Date:2019-05-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 55.7%
 Test Distance:26.000m [K=1.0000]
 Remarks: 2835 4000K