

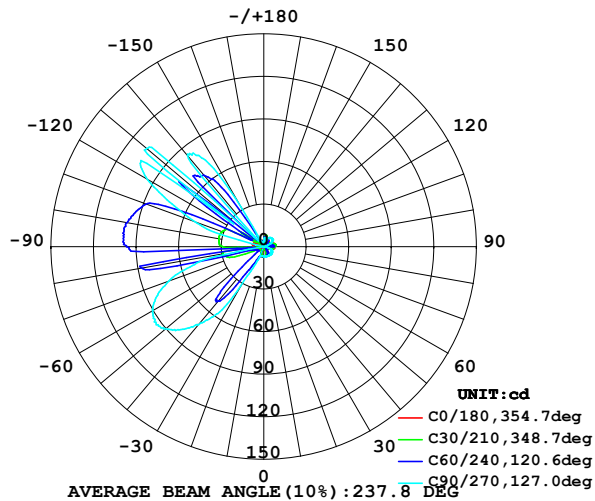
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

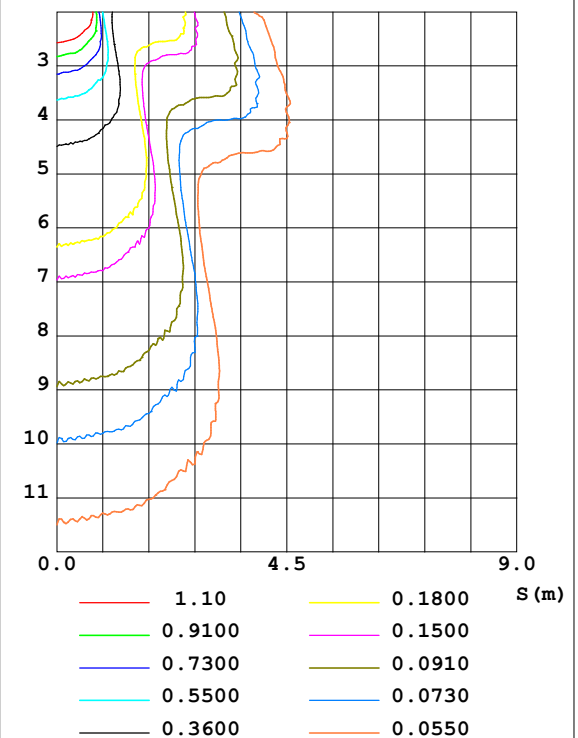
Test:U:120.0V I:0.1038A P:12.36W PF:0.9917 Lamp Flux:196.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 15.87 lm/W			
MODEL		I _{max} (cd)	108.9	S/MH (C0/180)	0.68
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.60
RATED VOLTAGE (V)		TOTAL FLUX (lm)	196.13	η UP, DN (C0-180)	7.6, 5.9
NOMINAL FLUX (lm)	196.1	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	51.2, 35.4
LAMPS INSIDE	1	η up (%)	58.8	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)		η down (%)	41.2	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



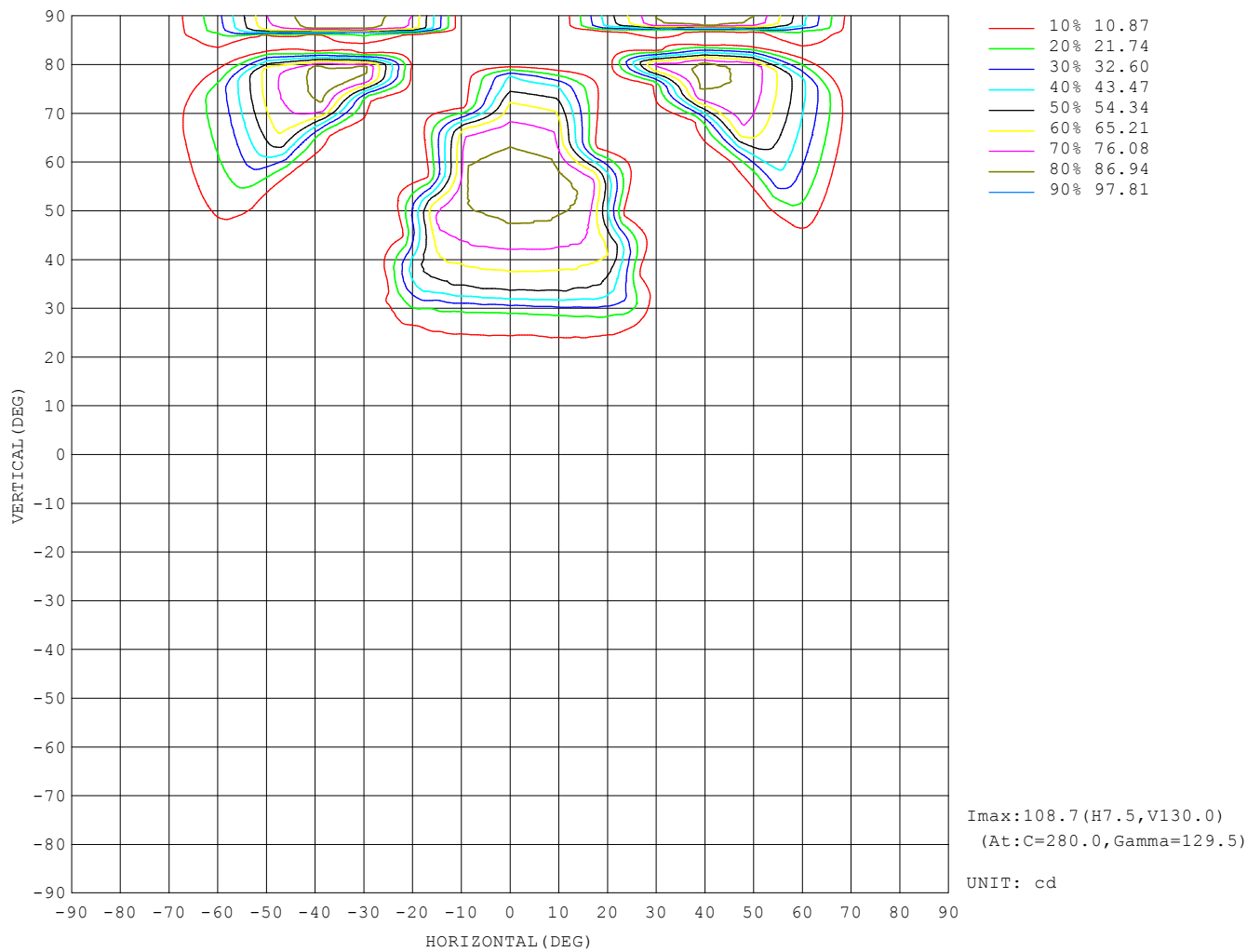
C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:
Test Date: 2019-03-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.552m [K=1.0000]
Remarks: 55900MSCBK

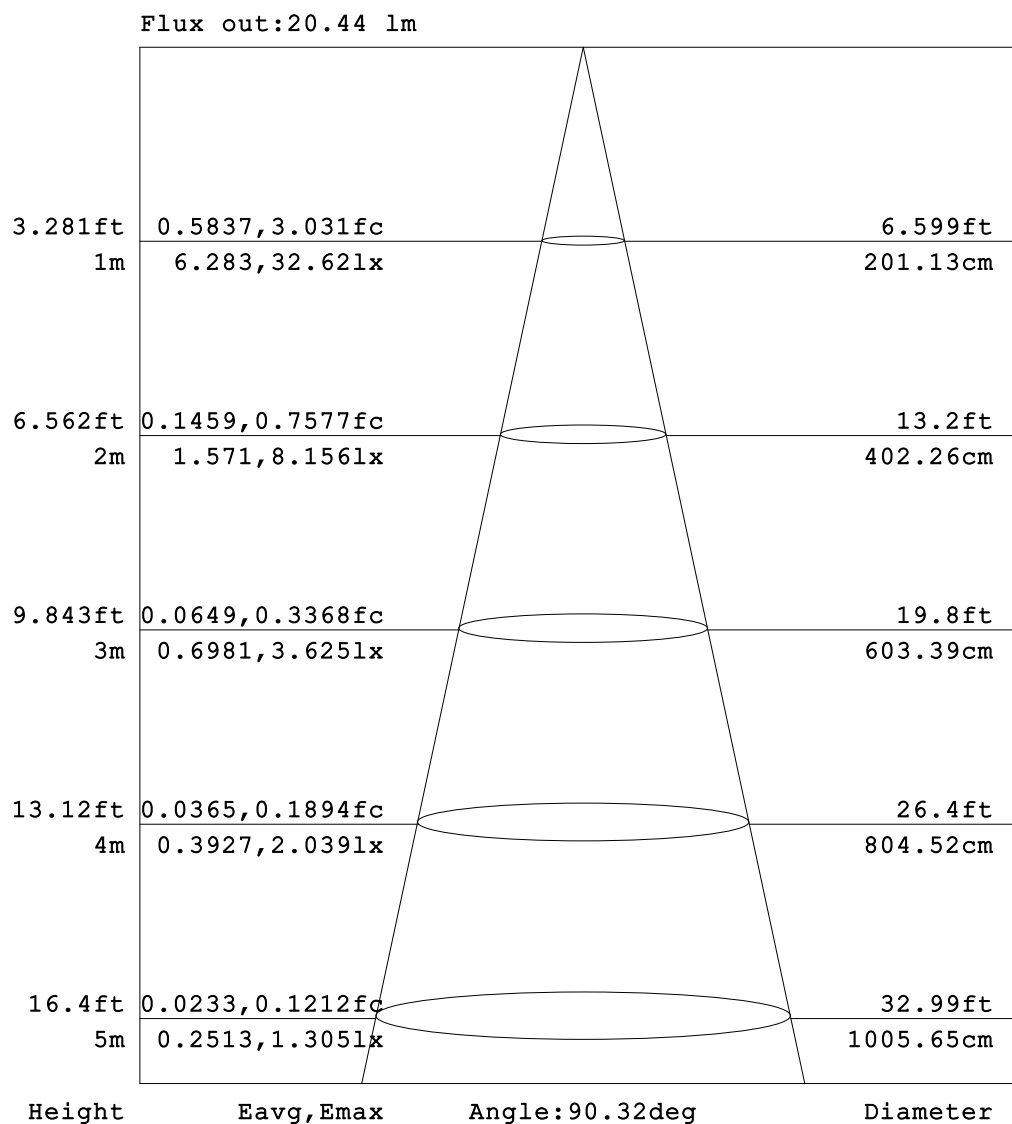
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.552m [K=1.0000]
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AAI Figure



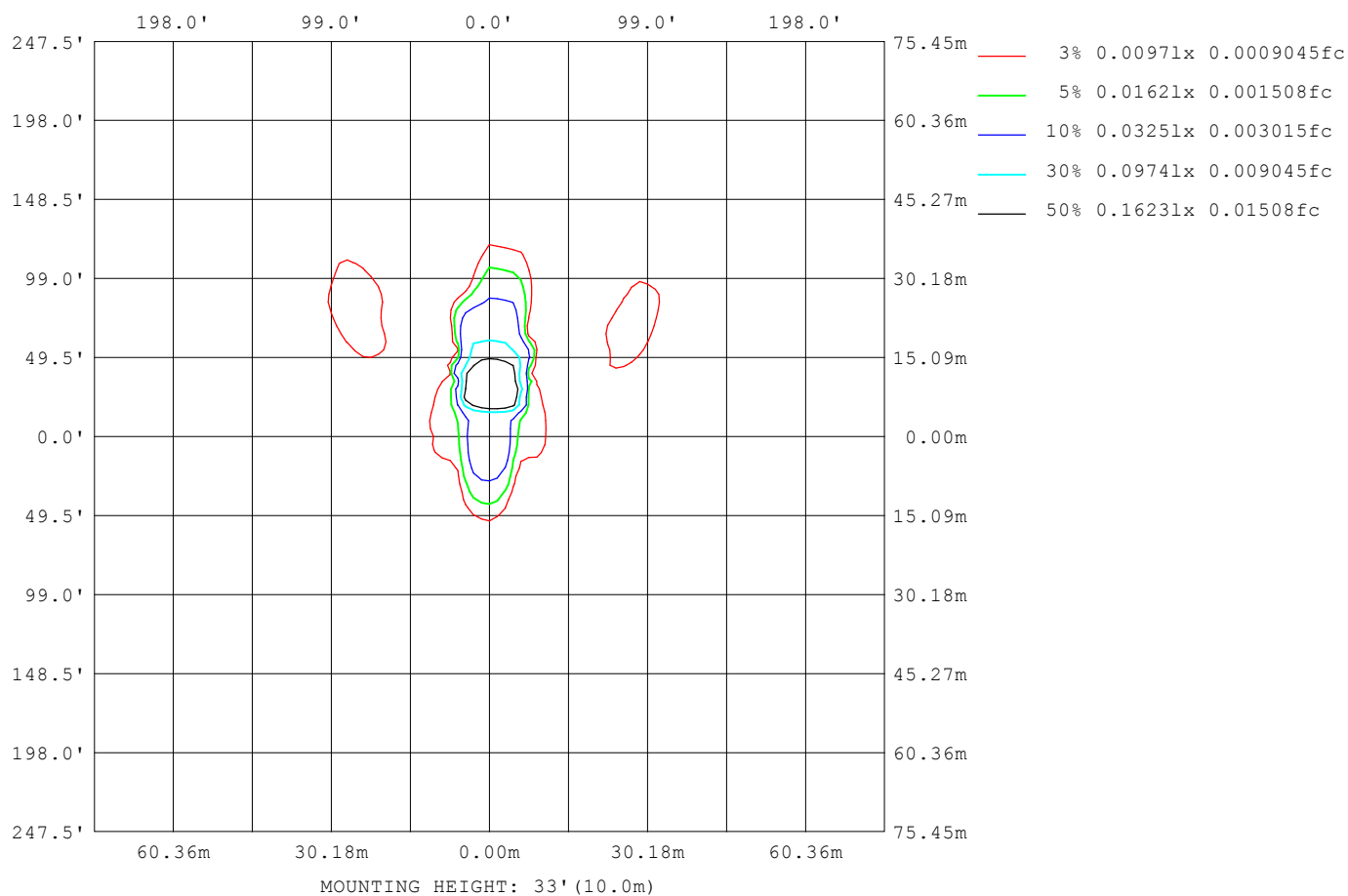
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:
Test Date: 2019-03-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.552m [K=1.0000]
Remarks: 55900MSCBK

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

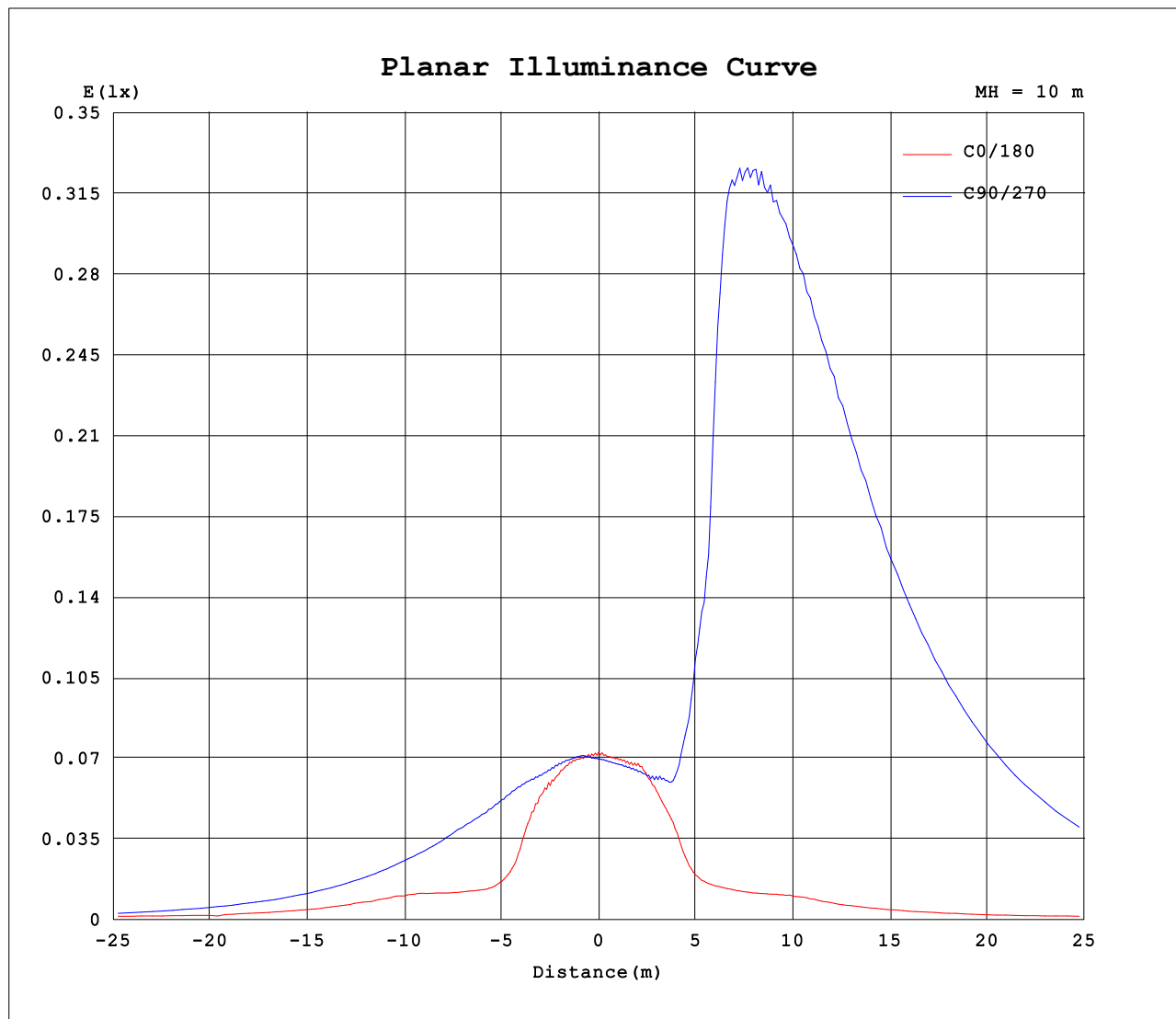
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:
Test Date: 2019-03-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.552m [K=1.0000]
Remarks: 55900MSCBK

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:
Test Date: 2019-03-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity: 55.0%
Test Distance: 2.552m [K=1.0000]
Remarks: 55900MSCBK

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	7.27	7.22	7.20	7.16	7.14	7.12	7.08	7.04	7.00	6.98	6.98	6.97	6.98	6.99	6.99	7.01	7.02	7.03	7.27
5	7.13	7.10	7.04	6.94	7.08	7.11	7.03	7.11	7.17	7.20	7.23	7.24	7.15	7.03	6.95	7.08	6.96	6.98	7.07
10	6.91	6.83	6.90	6.94	7.00	6.99	6.99	6.98	7.15	7.17	7.15	7.05	7.03	7.07	7.10	6.98	7.11	6.97	7.02
15	6.29	6.26	6.50	6.58	6.61	6.77	6.99	6.96	7.14	7.13	7.05	7.13	7.11	7.05	7.08	6.93	6.89	6.60	6.71
20	5.06	5.18	5.46	5.79	6.28	6.49	6.83	6.99	7.12	7.24	7.18	7.16	7.03	6.91	6.41	6.00	5.74	5.45	5.49
25	2.64	2.71	2.98	3.72	4.82	5.90	6.43	6.86	7.05	7.29	7.20	7.19	7.07	6.41	5.52	4.72	3.75	3.23	3.17
30	2.06	2.04	2.04	2.20	2.74	4.35	5.91	6.67	7.15	7.21	7.17	7.25	6.62	5.53	3.86	2.73	2.42	2.42	2.39
35	2.23	2.18	2.09	1.97	1.97	2.59	4.77	6.34	7.06	7.30	7.17	7.09	5.89	3.97	2.45	2.21	2.32	2.44	2.36
40	2.59	2.46	2.34	2.15	1.97	1.93	3.08	5.74	6.92	7.29	7.23	6.60	4.98	2.57	2.13	2.28	2.49	2.73	2.54
45	2.96	2.93	2.80	2.54	2.19	1.91	2.14	4.77	6.72	7.27	7.28	6.12	3.48	2.09	2.24	2.54	2.88	3.17	2.95
50	2.94	3.01	2.79	2.69	2.49	2.10	1.91	3.30	6.38	7.10	6.98	5.37	2.39	2.09	2.49	2.81	3.06	3.24	2.86
55	2.69	2.68	2.59	2.55	2.43	2.20	1.97	2.24	5.74	6.85	6.43	4.43	2.02	2.28	2.61	2.81	2.93	2.89	2.64
60	2.51	2.39	2.30	2.27	2.27	2.18	2.01	1.82	4.77	6.47	5.82	3.03	1.93	2.31	2.55	2.57	2.52	2.58	2.57
65	2.49	2.40	2.21	2.10	2.06	2.07	1.86	1.57	3.56	5.93	5.21	1.91	1.90	2.28	2.35	2.39	2.42	2.53	2.61
70	3.86	3.92	3.53	2.98	2.31	1.90	1.64	1.37	1.84	4.88	4.10	1.36	1.74	2.08	2.35	2.80	3.29	3.97	4.08
75	6.38	6.56	6.27	5.73	4.43	2.81	1.31	0.84	0.80	2.98	2.10	0.78	1.18	2.00	3.65	5.36	6.08	6.72	6.68
80	7.23	7.58	7.29	6.56	4.44	2.68	1.43	0.47	0.27	0.89	0.46	0.33	1.03	2.72	4.03	5.86	7.18	7.40	7.36
85	1.30	1.39	1.77	1.42	1.44	1.64	1.50	0.94	0.23	0.12	0.14	0.57	1.46	1.87	1.66	1.28	1.44	1.26	1.39
90	6.97	4.85	6.98	7.44	7.49	7.32	6.65	4.86	0.91	0.06	0.09	2.71	6.34	7.31	7.71	7.52	7.19	5.21	7.33
95	7.12	4.88	7.33	7.82	7.82	7.67	6.90	5.09	0.96	0.10	0.13	2.92	6.56	7.73	8.06	7.91	7.60	5.38	7.68
100	7.64	5.14	7.68	8.12	7.90	7.35	6.15	4.40	0.81	0.12	0.16	2.39	6.00	7.19	7.82	8.00	7.75	6.00	8.05
105	7.79	5.32	7.64	7.55	7.18	6.40	5.20	3.70	0.63	0.85	0.80	1.48	4.43	6.20	7.04	7.45	7.46	6.07	8.07
110	6.99	4.89	6.65	6.33	5.98	5.30	4.39	2.83	1.31	2.69	2.58	1.82	3.32	4.41	5.05	5.95	6.35	5.27	7.26
115	4.42	2.88	5.55	5.40	4.93	4.34	3.55	2.39	2.87	4.98	4.86	3.66	2.93	3.60	3.95	4.25	4.52	3.69	5.37
120	4.18	2.66	4.20	4.35	4.20	3.84	3.25	2.77	4.18	6.36	6.25	4.73	3.52	3.38	3.64	3.82	3.66	2.67	3.54
125	2.90	2.00	3.35	4.10	4.01	3.71	3.37	3.28	5.44	7.29	7.22	5.56	4.45	3.64	3.70	3.63	3.43	1.72	3.70
130	2.42	2.15	2.90	3.90	3.82	3.78	3.40	3.93	6.50	8.06	7.99	6.43	4.89	4.06	3.59	3.55	3.00	2.15	4.27
135	4.60	4.23	2.69	3.75	3.72	3.56	3.51	4.87	6.98	8.04	8.24	7.01	5.30	4.26	3.82	3.42	2.80	3.00	3.78
140	3.91	3.85	2.04	2.98	3.22	3.35	4.01	5.75	7.41	7.95	8.17	7.03	5.74	4.51	3.89	3.37	2.55	3.81	4.70
145	2.71	2.84	1.68	2.37	2.94	3.62	4.11	6.58	7.64	7.85	7.87	6.99	5.75	4.84	3.75	2.93	2.48	4.50	4.67
150	3.09	3.17	2.26	1.90	2.78	4.05	5.49	6.84	7.49	7.42	7.00	6.56	5.38	4.64	3.76	2.86	3.21	4.63	4.51
155	3.74	3.88	3.76	3.03	3.46	4.47	5.59	6.42	6.53	6.33	5.87	5.52	4.00	2.75	2.72	3.15	4.24	4.90	4.87
160	5.52	5.78	6.23	5.56	4.78	4.52	4.97	5.16	4.88	4.70	4.46	3.89	2.75	1.57	1.01	1.69	3.62	4.56	4.69
165	7.07	7.13	7.35	7.59	7.04	6.34	5.66	4.91	4.52	4.32	3.99	3.63	3.18	1.84	1.55	2.16	1.80	1.56	1.87
170	7.66	7.77	7.95	8.02	7.95	7.55	7.13	6.64	6.31	6.01	5.70	5.44	5.05	4.30	3.02	2.18	1.95	2.12	2.98
175	4.50	5.52	6.13	6.43	6.55	6.56	6.61	6.52	6.42	6.25	6.01	5.70	5.33	4.88	4.53	3.95	3.34	2.74	2.41
180	0.03	0.04	0.04	0.07	0.13	0.23	0.50	0.95	1.37	1.60	1.55	1.31	0.85	0.40	0.16	0.08	0.07	0.06	0.04

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.552m [K=1.0000]
Remarks: 55900MSCBK

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	7.22	7.20	7.16	7.14	7.12	7.08	7.04	7.00	6.98	6.98	6.97	6.98	6.99	6.99	7.01	7.02	7.03		
5	7.04	7.09	7.08	6.95	7.02	7.03	6.97	6.88	6.87	6.95	7.06	7.09	6.92	6.96	6.99	6.98	6.95		
10	7.03	7.08	6.98	6.86	6.91	6.90	6.74	6.71	6.89	6.96	6.84	6.70	6.85	6.78	6.83	6.80	6.88		
15	6.67	6.78	6.86	6.91	6.97	7.03	6.76	6.82	6.79	6.71	6.61	6.78	6.60	6.60	6.37	6.42	6.31		
20	5.43	5.58	5.81	6.31	6.60	7.28	7.27	7.23	7.20	6.97	7.10	7.04	6.56	6.29	5.71	5.82	5.19		
25	3.24	3.58	4.31	5.29	6.41	7.82	9.84	11.3	11.8	11.1	10.5	8.63	6.88	5.57	4.46	3.35	2.90		
30	2.51	2.67	2.95	3.95	7.45	13.8	20.1	23.7	27.6	26.0	21.7	16.9	9.96	4.82	3.03	2.35	2.12		
35	2.60	2.79	2.95	3.78	12.8	30.4	48.4	57.1	57.9	57.6	53.9	39.8	19.7	5.60	2.72	2.40	2.24		
40	2.90	2.99	3.14	3.49	12.5	50.2	62.1	68.6	72.2	70.6	66.9	56.4	29.6	3.84	2.91	2.69	2.55		
45	3.37	3.41	3.47	3.62	4.38	36.2	72.7	79.4	82.8	82.1	76.7	64.0	7.93	3.63	3.21	3.15	3.05		
50	3.48	3.59	4.05	4.14	4.40	6.55	76.9	86.2	90.0	89.0	82.7	34.6	4.62	3.97	3.60	3.27	3.21		
55	3.23	3.48	3.93	4.62	4.89	4.96	44.8	89.2	92.9	92.1	85.1	5.68	4.73	4.36	3.88	3.28	3.03		
60	2.96	3.28	3.88	4.81	5.46	5.41	6.50	86.2	90.2	88.2	60.3	5.23	5.22	4.68	3.99	3.22	2.84		
65	2.89	3.35	5.54	5.30	6.15	6.23	5.70	77.6	83.2	78.5	7.15	5.64	5.78	5.27	4.62	3.32	2.70		
70	4.18	4.40	20.2	33.2	9.92	7.37	6.31	27.1	71.2	67.4	5.32	6.38	6.36	14.8	27.8	5.23	3.59		
75	6.83	7.07	27.3	68.2	79.5	11.8	6.99	5.22	52.2	46.8	5.84	6.83	42.0	76.3	46.4	8.02	6.07		
80	7.84	8.18	29.3	73.6	91.1	87.4	7.25	2.68	2.74	3.73	3.06	61.6	89.1	84.9	50.0	9.29	7.02		
85	1.40	1.74	7.12	18.4	6.60	10.3	4.53	1.61	0.08	0.15	3.30	5.20	20.0	36.6	21.8	3.21	1.93		
90	7.39	4.01	28.9	75.5	95.1	96.8	75.8	2.03	0.02	0.07	49.4	87.7	94.8	87.2	47.0	5.42	6.12		
95	7.73	4.36	31.7	78.5	97.5	98.9	74.7	2.12	0.05	0.15	38.6	90.9	101	91.9	50.9	6.06	6.43		
100	8.01	4.68	32.1	77.8	96.9	97.8	66.8	3.07	0.16	0.16	43.6	89.8	100	91.6	51.6	6.84	6.85		
105	7.62	4.79	32.3	75.5	94.1	93.8	57.9	6.72	6.79	11.5	32.2	86.5	97.8	89.3	50.8	7.04	7.06		
110	6.71	4.29	31.3	71.6	89.5	88.1	13.2	35.4	51.8	42.4	8.92	80.2	94.6	85.0	48.3	6.30	6.35		
115	4.91	2.64	29.2	66.9	82.9	39.2	12.5	57.7	71.3	64.6	39.4	20.5	87.0	79.5	30.9	5.05	4.30		
120	2.49	4.43	6.47	55.9	36.0	9.51	73.8	88.8	94.6	87.9	76.7	10.5	35.6	68.9	5.13	3.90	4.22		
125	1.79	3.78	5.75	6.67	7.74	49.1	92.4	103	106	104	96.9	64.7	8.73	8.65	2.87	3.57	2.02		
130	2.93	3.47	4.31	3.81	13.4	10.2	40.6	36.2	108	108	102	40.4	6.66	4.04	6.95	3.70	1.60		
135	3.55	3.22	5.71	20.5	54.3	70.6	8.31	6.47	9.35	10.1	9.22	18.9	3.83	17.0	5.01	4.51	3.56		
140	4.21	2.92	5.36	22.5	51.7	65.9	3.69	80.9	83.9	88.7	82.2	75.3	53.4	4.59	3.46	2.52	3.28		
145	4.48	3.64	3.78	6.45	26.2	48.7	2.16	6.76	76.3	78.3	74.2	64.1	38.9	4.49	2.84	1.72	2.46		
150	4.37	3.95	3.21	4.05	4.99	3.52	13.1	4.05	31.9	49.4	40.9	24.5	7.40	3.87	2.15	2.11	2.92		
155	4.54	4.07	3.22	2.99	2.13	2.17	3.12	2.73	5.30	7.54	8.41	7.29	5.61	3.75	2.61	2.98	3.40		
160	4.39	3.92	2.85	1.99	1.78	2.59	3.00	2.40	2.76	4.52	5.29	5.13	4.13	3.74	4.13	4.73	5.00		
165	1.97	2.09	2.33	3.10	3.65	3.34	2.54	1.70	1.57	1.83	2.34	2.74	3.49	4.76	5.68	6.05	6.42		
170	2.92	3.25	3.65	3.88	3.56	3.09	2.26	1.77	1.28	1.01	1.10	1.68	2.92	4.14	5.29	5.87	7.47		
175	2.37	2.03	1.00	0.83	1.58	0.53	0.79	0.42	0.41	0.50	0.52	0.00	0.00	0.00	2.28	3.65	8.74		
180	2.55	1.55	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	10.0		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2019-03-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.552m [K=1.0000]
Remarks: 55900MSCBK