

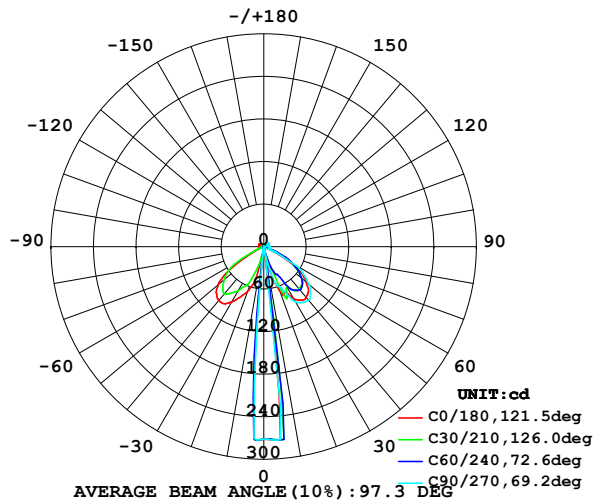
# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

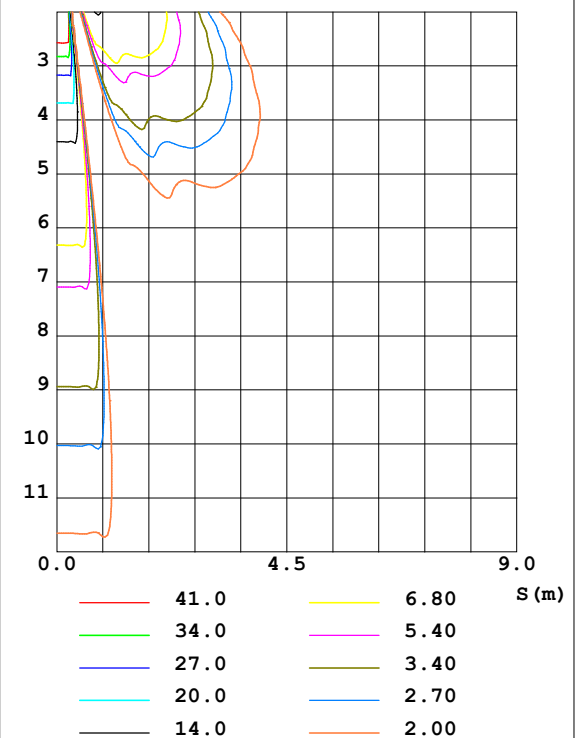
Test:U:120.0V I:0.1030A P:12.28W PF:0.9924 Lamp Flux:188.8x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 15.38 lm/W			
MODEL		Imax(cd)	273.6	S/MH(C0/180)	0.18
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.17
RATED VOLTAGE(V)		TOTAL FLUX(lm)	188.85	η UP,DN(C0-180)	5.8,60.9
NOMINAL FLUX(lm)	188.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.9,30.4
LAMPS INSIDE	1	η up(%)	8.7	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)		η down(%)	91.4	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



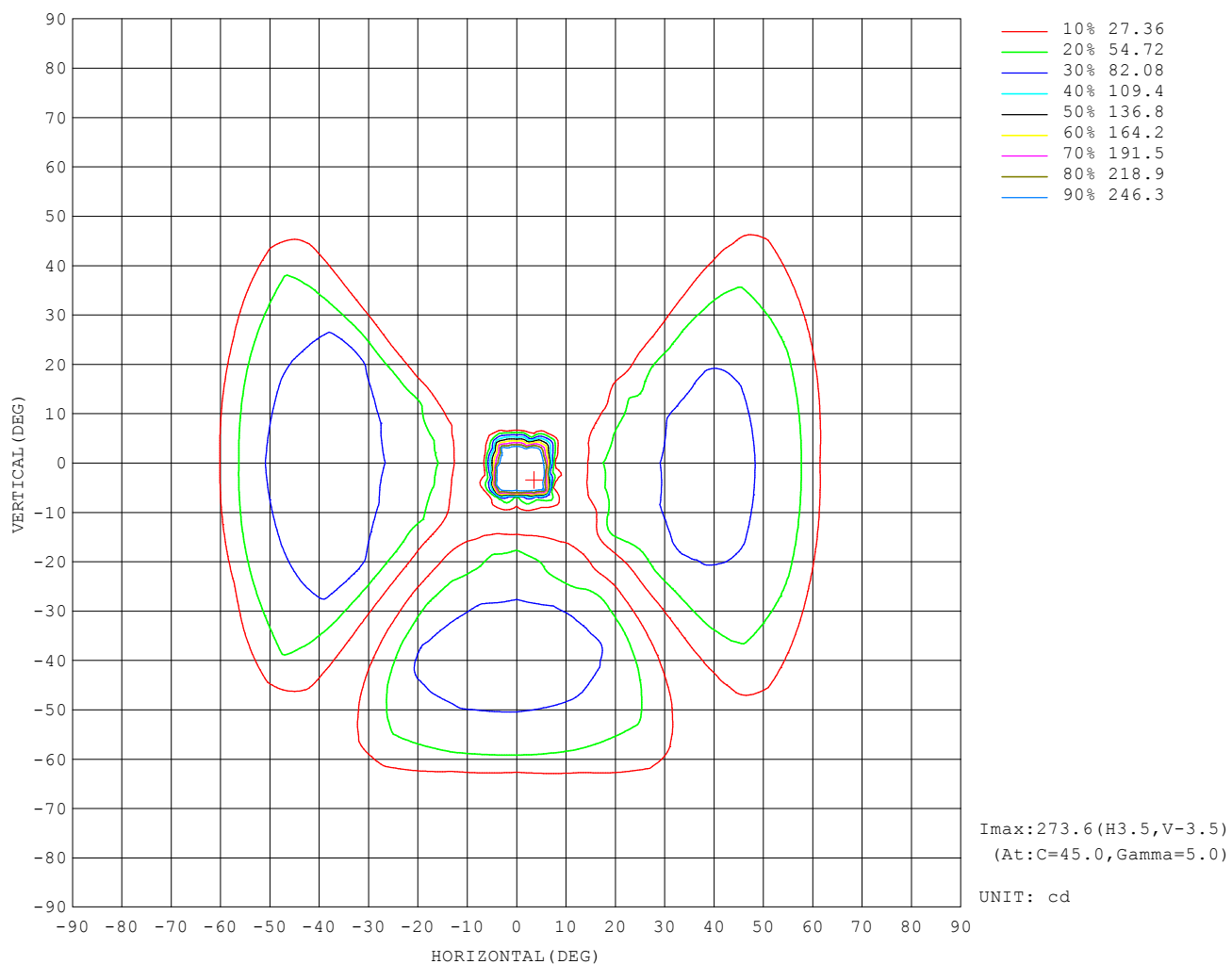
C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Operators:  
 Test Date:2019-02-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
 Humidity:55.0%  
 Test Distance:2.500m [K=1.0206]  
 Remarks: 55904MSCBK

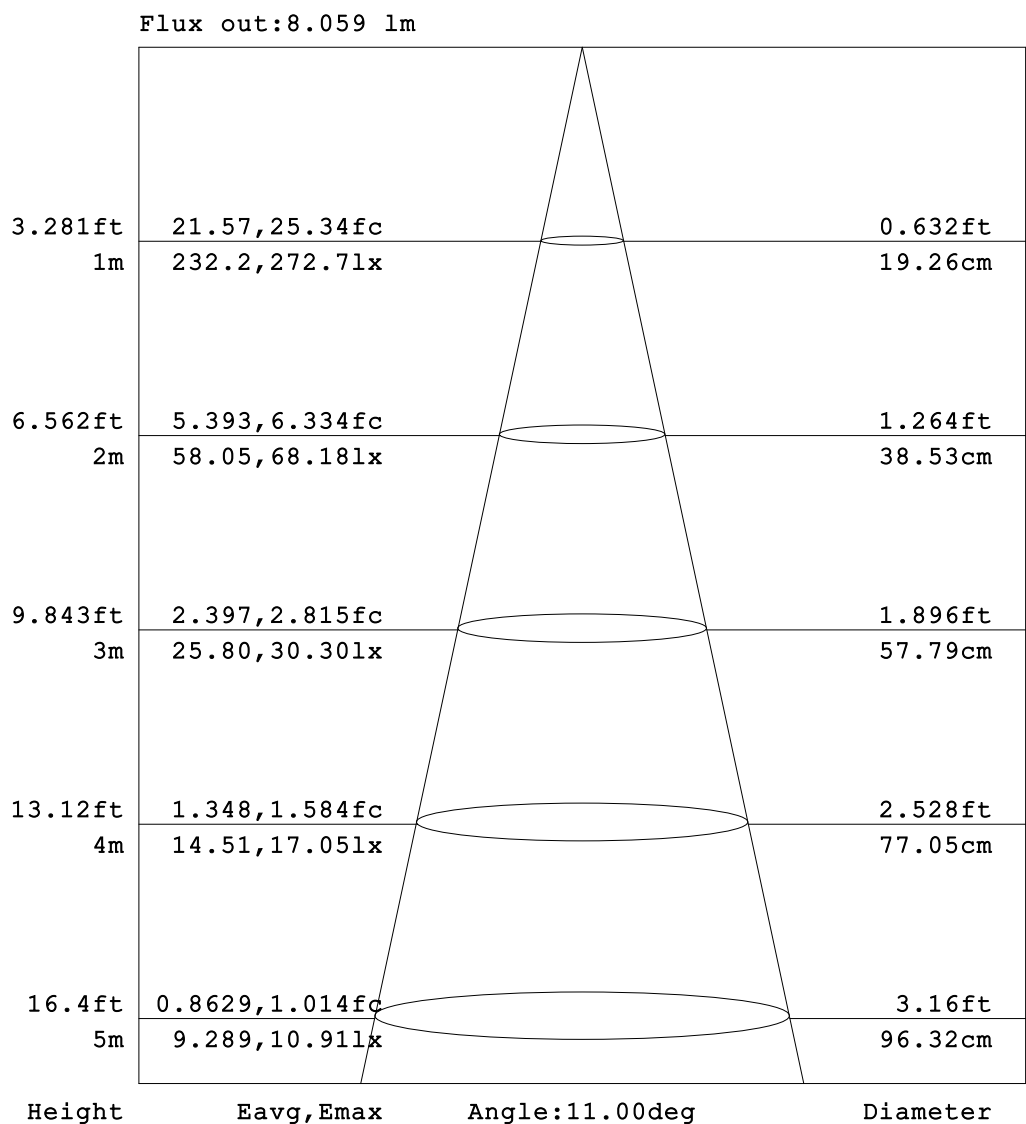
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators:  
Test Date: 2019-02-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.500m [K=1.0206]  
Remarks: 55904MSCBK

## AAI Figure



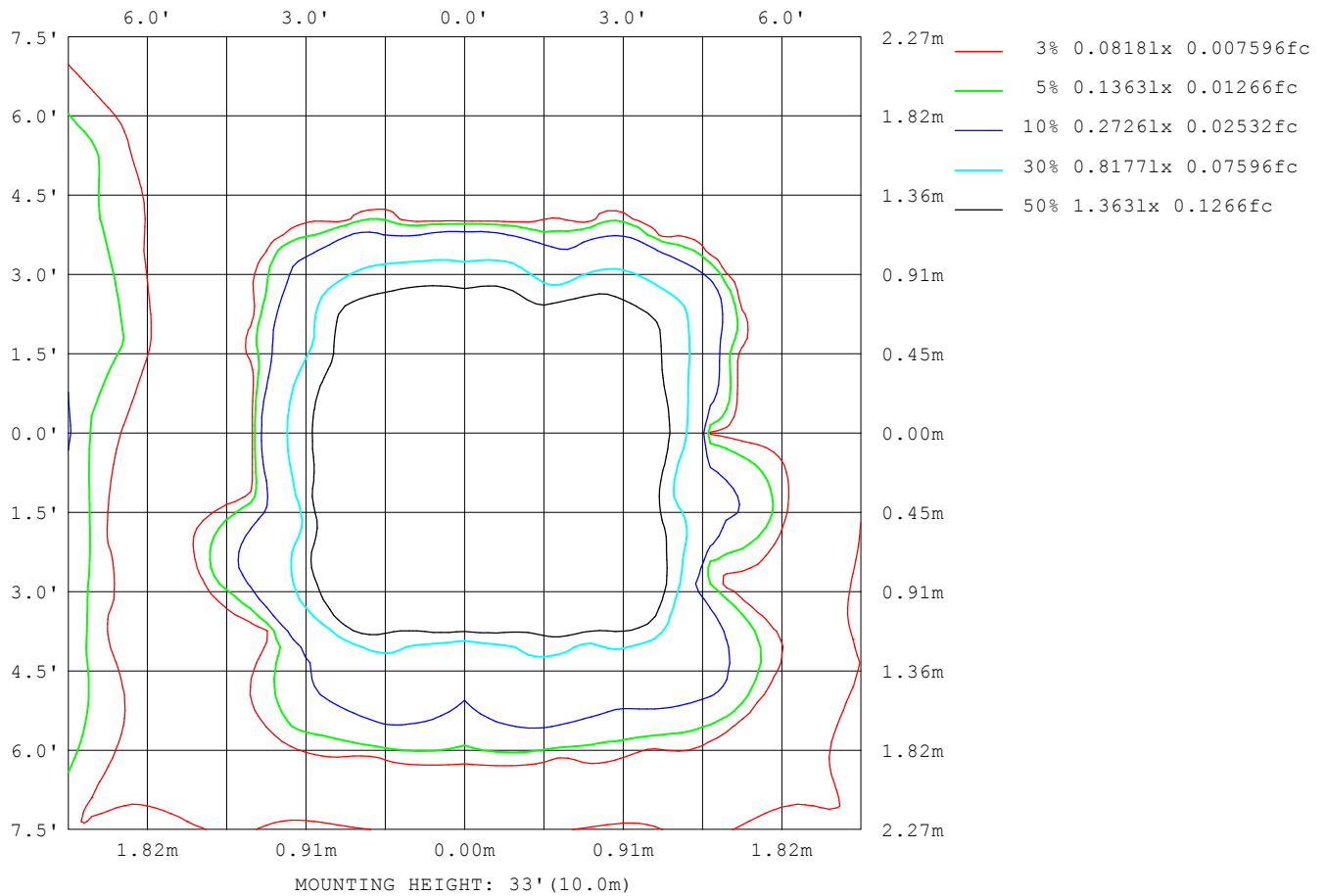
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators:  
Test Date: 2019-02-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.500m [K=1.0206]  
Remarks: 55904MSCBK

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

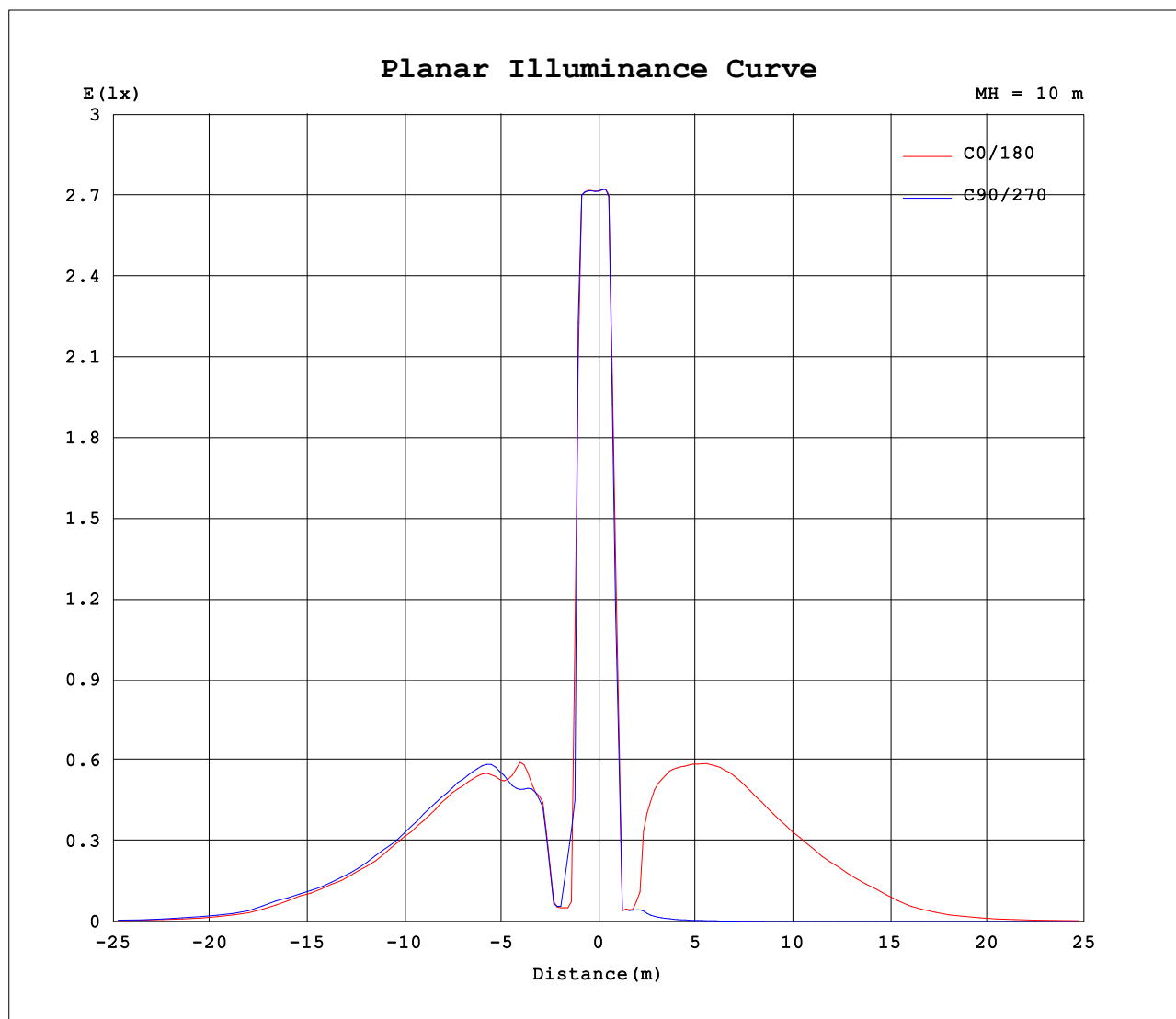
## ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators:  
Test Date: 2019-02-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.500m [K=1.0206]  
Remarks: 55904MSCBK

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators:  
Test Date: 2019-02-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity: 55.0%  
Test Distance: 2.500m [K=1.0206]  
Remarks: 55904MSCBK

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	272	271	271	271	271	272	272	271	271	271	271	272	272	271	271	271	271	272	272
5	273	273	273	274	274	273	273	273	273	273	229	136	137	137	132	196	155	137	117
10	5.42	19.7	5.35	64.2	32.3	27.0	15.7	25.1	25.6	4.59	5.03	4.95	4.88	4.84	4.28	4.17	4.26	4.38	4.54
15	36.1	31.1	9.79	6.93	6.97	24.7	34.2	29.7	7.58	5.94	21.7	43.3	49.6	41.2	26.6	5.13	3.48	3.02	2.70
20	66.9	66.5	35.5	11.2	33.7	53.5	59.9	57.3	36.1	9.83	50.1	62.2	67.4	64.1	44.4	5.49	2.87	1.55	1.32
25	71.2	74.0	78.4	11.3	43.4	60.9	70.5	66.0	49.9	10.5	57.5	72.3	78.3	74.3	61.5	5.19	2.15	0.94	0.82
30	84.9	81.6	65.3	10.8	60.7	82.6	90.1	83.8	62.2	10.4	71.8	84.4	90.0	85.5	71.6	4.96	1.86	0.66	0.57
35	92.0	90.9	76.5	10.2	74.9	91.1	96.2	92.1	75.9	9.97	80.4	93.3	98.5	96.3	79.9	4.75	1.94	0.49	0.43
40	93.2	91.3	77.5	9.66	79.8	92.4	98.4	96.7	80.9	9.42	84.6	94.6	99.3	97.6	87.2	4.49	2.21	0.34	0.28
45	89.5	87.1	76.2	9.06	77.1	87.9	93.5	93.3	82.6	8.91	83.0	92.0	94.2	91.7	82.1	4.23	2.26	0.25	0.17
50	78.1	77.6	70.6	8.32	69.6	79.7	83.7	83.0	77.1	8.28	76.4	81.3	84.1	81.8	73.3	3.99	2.10	0.19	0.13
55	64.7	65.1	58.1	7.63	59.7	66.4	68.5	69.0	65.4	7.75	63.9	69.3	64.9	68.1	62.0	3.58	1.90	0.15	0.10
60	36.8	42.6	44.4	6.98	46.4	52.7	47.2	51.8	50.6	7.03	45.3	30.0	28.2	31.1	41.9	3.25	1.72	0.12	0.08
65	13.6	17.0	22.2	6.24	28.2	22.6	19.0	21.8	26.1	6.26	18.5	12.7	10.4	11.2	16.1	2.93	1.54	0.09	0.06
70	6.94	7.92	8.82	5.53	10.6	9.51	8.54	9.33	9.18	5.67	7.56	7.22	7.10	7.19	5.50	2.73	1.39	0.07	0.04
75	6.53	7.08	4.75	5.15	5.18	7.51	7.42	7.46	5.33	5.38	5.23	6.60	6.71	6.67	3.70	2.65	1.31	0.05	0.02
80	6.56	7.06	4.29	4.92	4.51	7.16	7.38	7.16	4.75	5.22	4.71	6.77	6.97	6.73	3.47	2.61	1.29	0.04	0.02
85	6.76	7.20	4.09	4.65	4.33	7.13	7.51	7.29	4.47	4.99	4.58	6.99	7.28	6.25	3.36	2.47	1.25	0.03	0.02
90	6.80	7.27	3.89	4.42	4.12	7.02	7.49	7.29	4.27	4.87	4.49	6.97	7.37	6.94	3.30	2.30	1.26	0.03	0.02
95	5.06	5.40	2.78	3.91	4.00	7.05	7.53	7.28	4.21	4.63	3.38	4.94	5.83	5.11	2.21	2.11	1.19	0.02	0.01
100	4.39	2.94	2.29	2.10	2.75	5.93	6.48	6.25	2.80	2.28	2.39	4.13	4.90	2.94	1.93	1.08	0.80	0.02	0.02
105	6.44	2.17	3.22	2.59	1.86	4.14	4.50	4.23	1.82	2.63	3.49	4.79	6.96	2.32	2.87	1.51	0.75	0.03	0.02
110	6.58	1.67	3.37	2.78	1.83	4.30	4.53	4.84	1.77	2.92	3.75	4.96	7.38	1.91	3.14	1.76	0.71	0.03	0.03
115	6.72	1.54	3.41	2.58	1.95	4.43	5.61	5.53	1.89	2.73	3.75	5.24	7.60	1.91	3.40	1.78	0.63	0.03	0.03
120	6.69	1.33	3.24	2.28	1.97	4.83	6.50	6.04	2.20	2.60	3.59	5.28	7.56	1.84	3.43	1.61	0.53	0.02	0.04
125	5.29	0.78	2.92	2.16	1.94	5.08	7.08	6.38	2.38	2.47	3.22	4.80	6.96	1.49	3.23	1.41	0.41	0.02	0.04
130	3.01	3.03	2.58	2.06	1.99	5.22	7.42	6.48	2.58	2.23	2.79	1.90	2.51	1.71	2.94	1.21	0.31	0.02	0.04
135	2.62	5.03	2.27	1.83	2.10	5.44	7.61	6.66	2.87	2.04	2.41	1.84	2.03	4.64	2.66	0.99	0.20	0.02	0.05
140	1.63	2.65	1.73	1.56	2.22	5.64	7.60	6.79	3.21	1.78	1.92	3.26	1.77	4.69	2.20	0.83	0.09	0.02	0.05
145	0.96	2.23	0.86	1.29	2.28	5.56	7.23	6.51	3.45	1.48	1.17	1.90	0.80	2.31	1.37	0.67	0.00	0.02	0.06
150	1.29	2.34	0.41	0.99	2.29	5.21	6.58	6.02	3.49	1.23	0.48	1.98	0.88	2.73	0.44	0.51	0.00	0.02	0.06
155	0.95	1.68	0.54	0.59	2.12	4.62	5.51	5.31	3.24	0.93	0.25	1.30	0.71	1.94	0.00	0.35	0.00	0.02	0.07
160	0.49	0.89	0.32	0.05	1.54	3.22	3.77	3.68	2.19	0.12	0.20	0.49	0.29	0.91	0.00	0.19	0.00	0.02	0.07
165	0.08	0.11	0.03	0.11	0.04	0.39	0.70	0.56	0.05	0.20	0.07	0.05	0.05	0.00	0.00	0.03	0.00	0.02	0.08
170	0.02	0.02	0.03	0.04	0.14	0.24	0.33	0.28	0.07	0.02	0.02	0.02	0.03	0.00	0.00	0.00	0.00	0.02	0.08
175	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.03	0.02	0.02	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.02	0.09
180	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.09

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Operators:  
Test Date:2019-02-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity:55.0%  
Test Distance:2.500m [K=1.0206]  
Remarks: 55904MSCBK

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	271	271	271	271	272														
5	137	119	218	272	272														
10	4.58	4.37	4.37	4.73	4.87														
15	2.87	3.48	3.56	8.67	26.7														
20	1.46	2.07	4.20	27.1	52.9														
25	0.96	2.33	4.32	50.8	66.0														
30	0.70	2.16	4.45	53.6	77.3														
35	0.53	1.94	4.21	68.0	85.7														
40	0.36	1.88	3.94	71.5	90.0														
45	0.26	1.83	3.78	73.0	86.6														
50	0.20	1.72	3.62	67.3	77.7														
55	0.15	1.54	3.46	55.1	63.4														
60	0.12	1.34	3.20	41.8	44.3														
65	0.09	1.22	2.93	20.4	16.9														
70	0.07	1.10	2.64	6.16	7.26														
75	0.04	1.02	2.46	3.26	6.54														
80	0.03	0.99	2.37	2.73	6.56														
85	0.03	0.96	2.29	2.46	6.58														
90	0.02	0.95	2.19	2.20	6.61														
95	0.02	0.94	2.08	1.94	6.63														
100	0.02	0.69	1.96	1.68	6.65														
105	0.00	0.38	1.84	1.42	6.67														
110	0.00	0.07	1.73	1.16	6.69														
115	0.00	0.00	1.61	0.90	6.71														
120	0.00	0.00	1.49	0.64	6.73														
125	0.00	0.00	1.37	0.38	6.75														
130	0.00	0.00	1.26	0.12	6.77														
135	0.00	0.00	1.14	0.00	6.79														
140	0.00	0.00	1.02	0.00	6.81														
145	0.00	0.00	0.91	0.00	6.83														
150	0.00	0.00	0.79	0.00	6.85														
155	0.00	0.00	0.67	0.00	6.88														
160	0.00	0.00	0.55	0.00	6.90														
165	0.00	0.00	0.44	0.00	6.92														
170	0.00	0.00	0.32	0.00	6.94														
175	0.00	0.00	0.20	0.00	6.96														
180	0.00	0.00	0.08	0.00	6.98														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
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γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.273  
Humidity:55.0%  
Test Distance:2.500m [K=1.0206]  
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