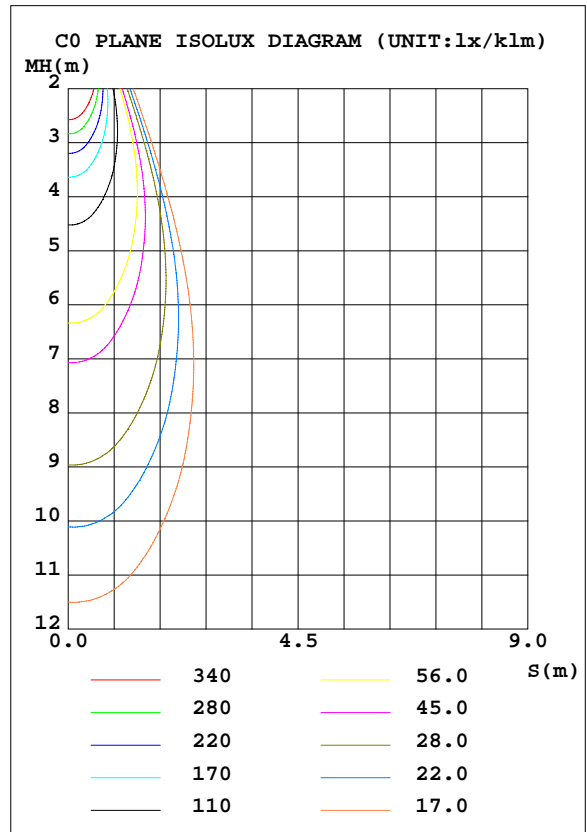
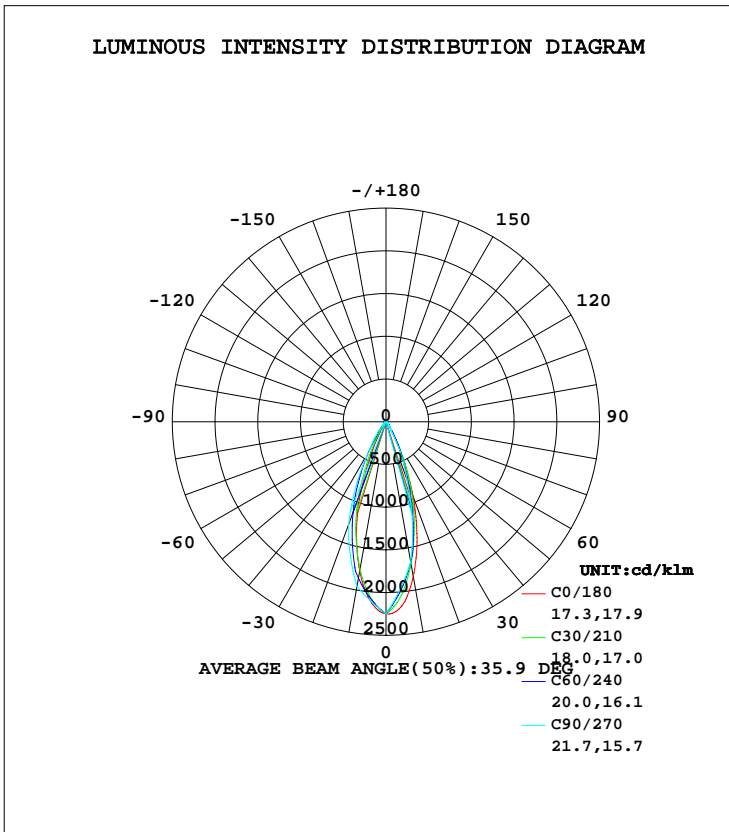


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.03 lm/W			
MODEL	LED-2-S15W-30K	I _{max} (cd/klm)	2250	S/MH(C0/180)	0.56
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.68
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1000.0	η UP, DN(C0-180)	0.0,44.1
NOMINAL FLUX(lm)	1035.94	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,55.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	0.65



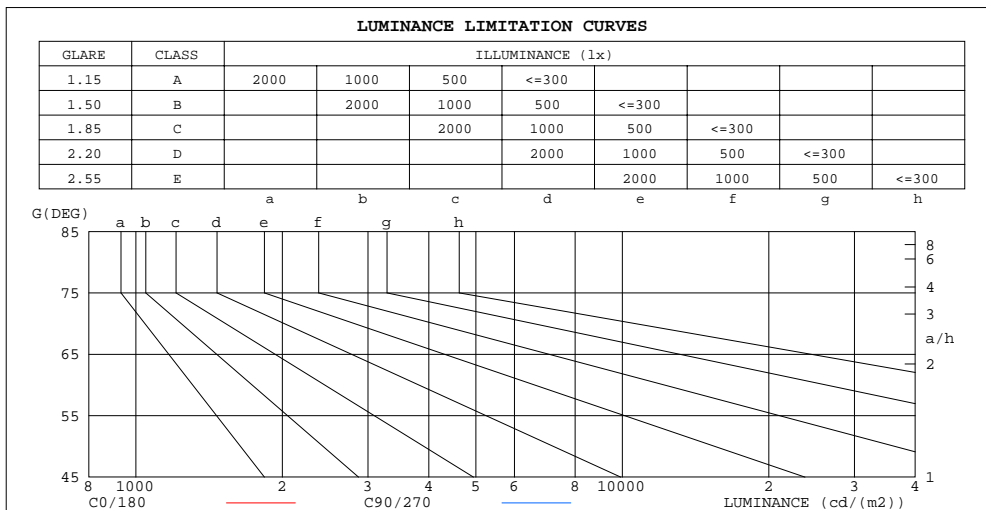
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	2162	2006	1959	1971	2106	2066	2104	2113	0- 5	50.88	50.88	5.09,5.09
10	1838	1667	1668	1629	1775	1800	1958	1881	5- 10	135.9	186.8	18.7,18.7
15	1406	1278	1193	1240	1338	1456	1618	1570	10- 15	185.1	372.0	37.2,37.2
20	927.4	837.6	717.3	807.0	847.7	1034	1278	1165	15- 20	189.0	561.0	56.1,56.1
25	456.0	476.5	419.7	457.4	392.5	659.4	830.6	797.2	20- 25	154.8	715.8	71.6,71.6
30	168.8	253.0	122.2	225.0	142.0	336.7	383.7	475.9	25- 30	99.92	815.7	81.6,81.6
35	76.16	113.9	87.24	103.5	71.40	151.5	225.6	212.5	30- 35	52.62	868.3	86.8,86.8
40	54.05	57.32	52.29	55.29	52.63	70.34	67.49	92.17	35- 40	30.56	898.9	89.9,89.9
45	43.87	45.28	43.59	44.34	44.07	48.24	52.30	57.67	40- 45	20.23	919.1	91.9,91.9
50	36.99	36.86	34.89	36.33	36.72	36.70	37.12	40.02	45- 50	16.93	936.1	93.6,93.6
55	30.83	30.20	30.19	29.47	31.39	29.54	31.26	32.31	50- 55	14.70	950.8	95.1,95.1
60	27.06	24.47	25.50	23.72	27.34	23.13	25.40	25.68	55- 60	12.93	963.7	96.4,96.4
65	22.37	20.26	20.58	19.48	22.14	18.71	21.33	20.65	60- 65	11.21	974.9	97.5,97.5
70	17.60	16.24	15.65	15.26	17.01	14.73	17.26	16.50	65- 70	9.344	984.3	98.4,98.4
75	13.24	12.19	11.36	10.95	12.41	10.81	13.14	12.82	70- 75	7.356	991.6	99.2,99.2
80	9.212	8.158	7.068	7.004	8.525	7.307	9.027	9.210	75- 80	5.341	997.0	99.7,99.7
85	2.641	2.395	0	1.950	3.063	2.187	0	2.926	80- 85	2.765	999.7	100,100
90	2.449	0	0	0	2.407	0	0	0	85- 90	0.2792	1000.0	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	314	0
80	550	422
75	530	455
70	533	474
65	548	504
60	561	528
55	557	545
50	596	562
45	643	639

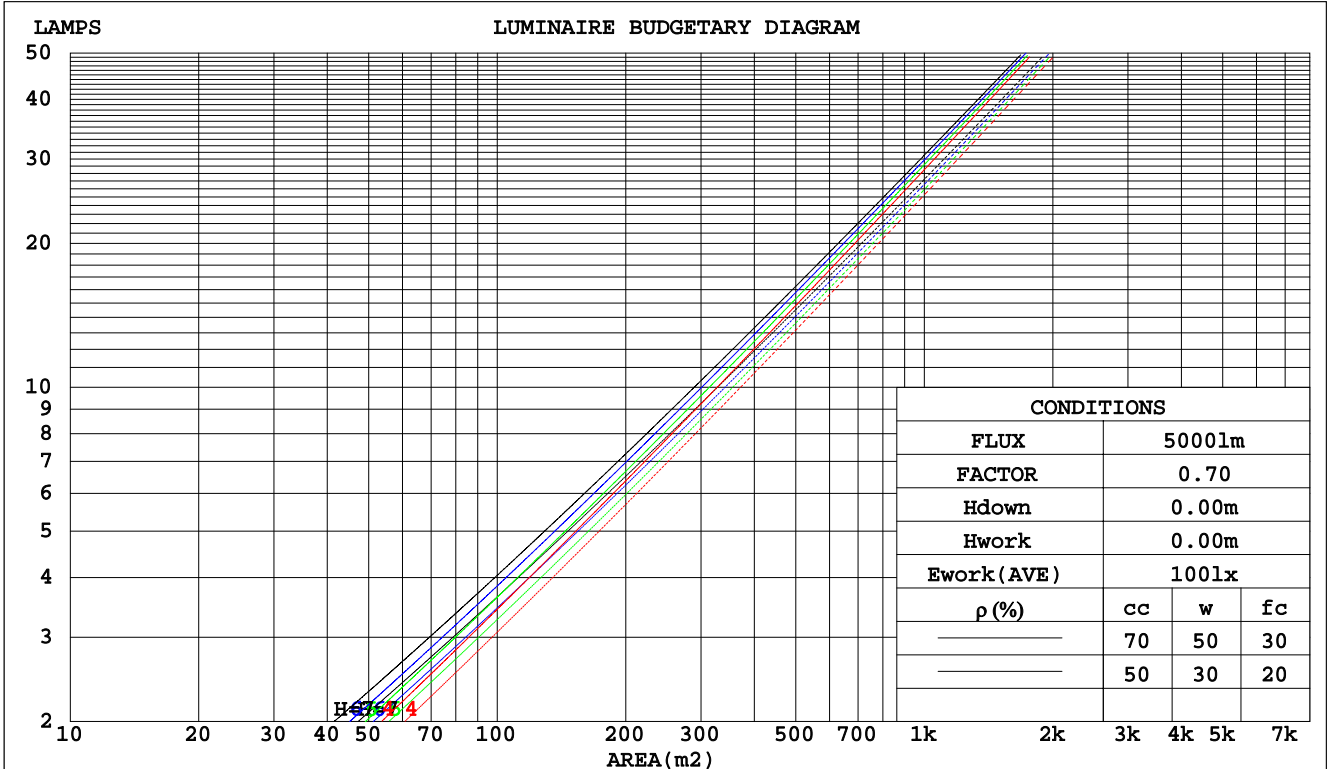
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HH
Test Date:2019-11-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.460m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.00	.98	.97	.96	.95	.94
2.0	1.04	.00	.96	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.85	.89	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.82	.88	.84	.81	.87	.83	.80	.85	.82	.79	.78
5.0	.87	.81	.77	.86	.81	.77	.84	.80	.76	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.77	.73	.80	.76	.72	.79	.75	.72	.78	.74	.71	.70
7.0	.79	.73	.69	.78	.73	.69	.77	.72	.69	.76	.71	.68	.74	.71	.68	.67
8.0	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.72	.68	.65	.64
9.0	.72	.66	.63	.71	.66	.63	.70	.66	.63	.70	.65	.62	.69	.65	.62	.61
10.0	.69	.64	.60	.68	.63	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.58



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.177	.100	.032	.170	.097	.031	.157	.090	.029	.146	.084	.027	.135	.078	.025	
2.0	.166	.091	.028	.160	.088	.027	.150	.083	.026	.140	.079	.025	.131	.074	.023	
3.0	.155	.083	.025	.151	.081	.024	.142	.077	.023	.133	.073	.022	.126	.070	.022	
4.0	.146	.076	.022	.142	.074	.022	.134	.071	.021	.127	.068	.021	.120	.065	.020	
5.0	.137	.070	.020	.134	.069	.020	.127	.066	.019	.121	.064	.019	.115	.062	.019	
6.0	.130	.065	.019	.127	.064	.018	.121	.062	.018	.116	.060	.018	.110	.058	.017	
7.0	.123	.061	.017	.120	.060	.017	.115	.058	.017	.111	.057	.016	.106	.055	.016	
8.0	.117	.057	.016	.115	.057	.016	.110	.055	.016	.106	.054	.015	.102	.052	.015	
9.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.102	.051	.015	.098	.050	.014	
10.0	.107	.051	.014	.105	.051	.014	.101	.050	.014	.098	.049	.014	.095	.048	.014	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.078	.084	.068	.055	.048	.040	.032	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.068	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.078	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm										
NAME: LED-2-S15W-30K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Light By Lotus					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	5.1	6.0	5.3	6.2	6.3	5.1	6.0	5.3	6.1	6.3
3H	6.6	7.4	6.8	7.6	7.8	6.5	7.3	6.7	7.5	7.7
4H	7.3	8.0	7.5	8.3	8.5	7.1	7.8	7.3	8.0	8.3
6H	7.9	8.6	8.2	8.8	9.1	7.5	8.2	7.8	8.5	8.7
8H	8.2	8.9	8.5	9.1	9.4	7.6	8.3	7.9	8.6	8.8
12H	8.3	9.0	8.6	9.3	9.5	7.6	8.3	7.9	8.5	8.8
4H 2H	5.7	6.4	5.9	6.6	6.9	5.6	6.4	5.9	6.6	6.9
3H	7.4	8.0	7.7	8.3	8.6	7.2	7.9	7.6	8.2	8.5
4H	8.2	8.8	8.5	9.1	9.4	8.0	8.6	8.3	8.9	9.2
6H	8.9	9.5	9.3	9.8	10.2	8.6	9.1	8.9	9.4	9.8
8H	9.3	9.8	9.7	10.2	10.5	8.7	9.2	9.1	9.6	9.9
12H	9.6	10.0	10.0	10.4	10.8	8.7	9.1	9.1	9.5	9.9
8H 4H	8.5	9.0	8.9	9.3	9.7	8.3	8.8	8.7	9.1	9.5
6H	9.4	9.8	9.8	10.2	10.6	9.0	9.5	9.5	9.8	10.3
8H	9.9	10.3	10.3	10.7	11.1	9.2	9.6	9.7	10.0	10.4
12H	10.2	10.6	10.7	11.0	11.5	9.2	9.5	9.7	10.0	10.4
12H 4H	8.5	8.9	8.9	9.3	9.7	8.3	8.8	8.7	9.1	9.5
6H	9.5	9.8	9.9	10.3	10.7	9.1	9.5	9.6	9.9	10.4
8H	10.0	10.3	10.5	10.8	11.2	9.3	9.7	9.8	10.1	10.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.1					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.0)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

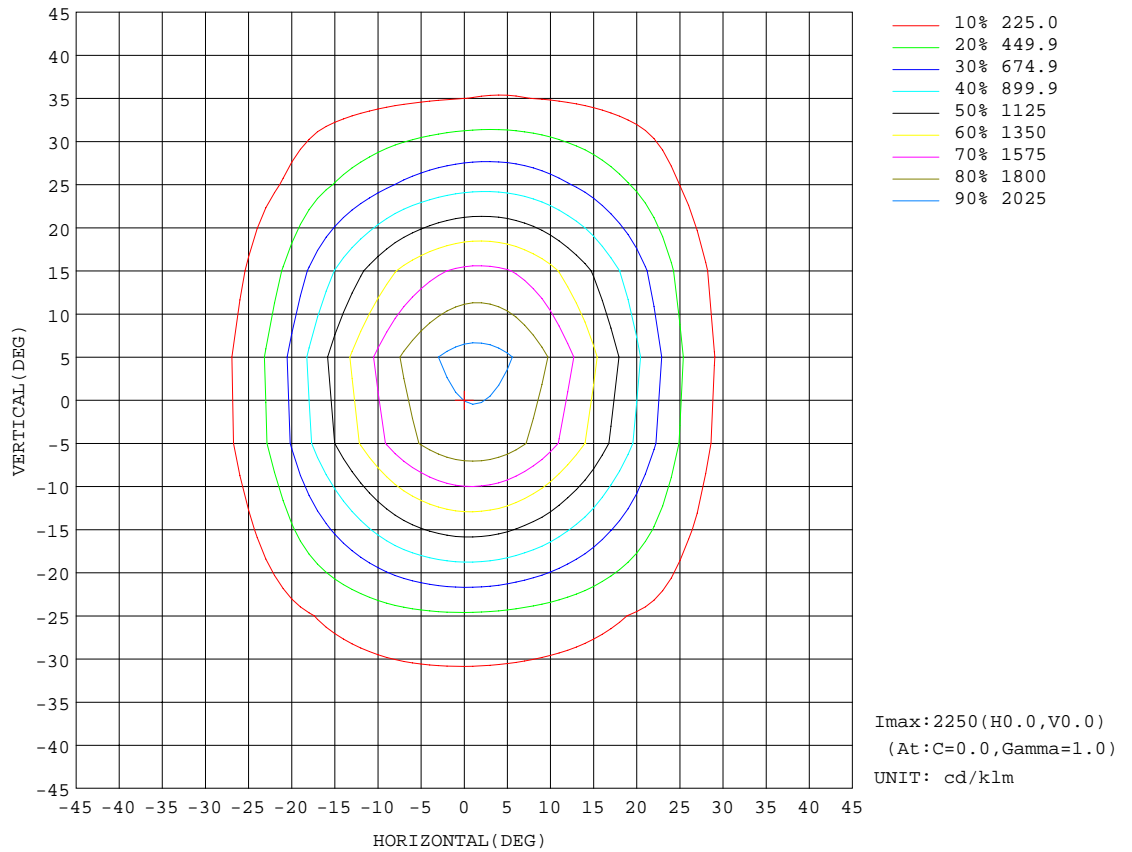
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	79	75	85	78	75	84	78	74	71
0.80	93	87	83	92	86	82	91	86	82	78
1.00	97	91	87	97	91	87	95	91	87	82
1.25	102	96	92	100	95	92	98	94	91	87
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	115	112	110	112	110	108	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

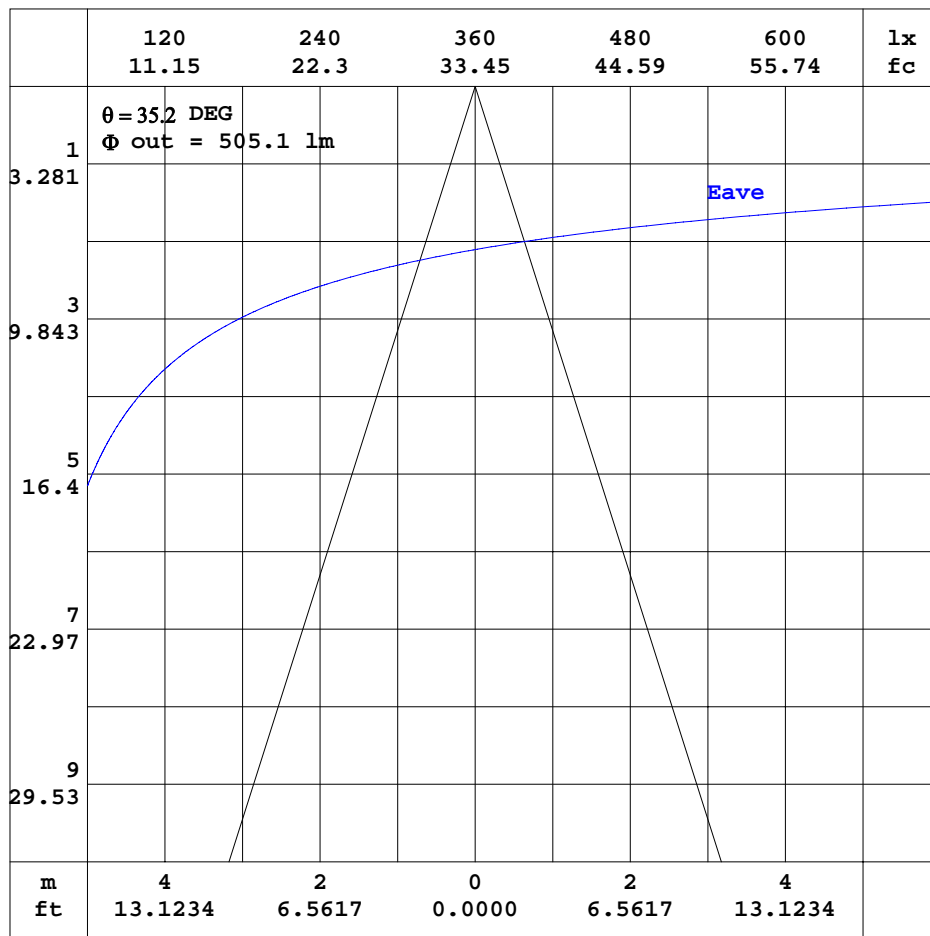


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HH
 Test Date: 2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.460m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:



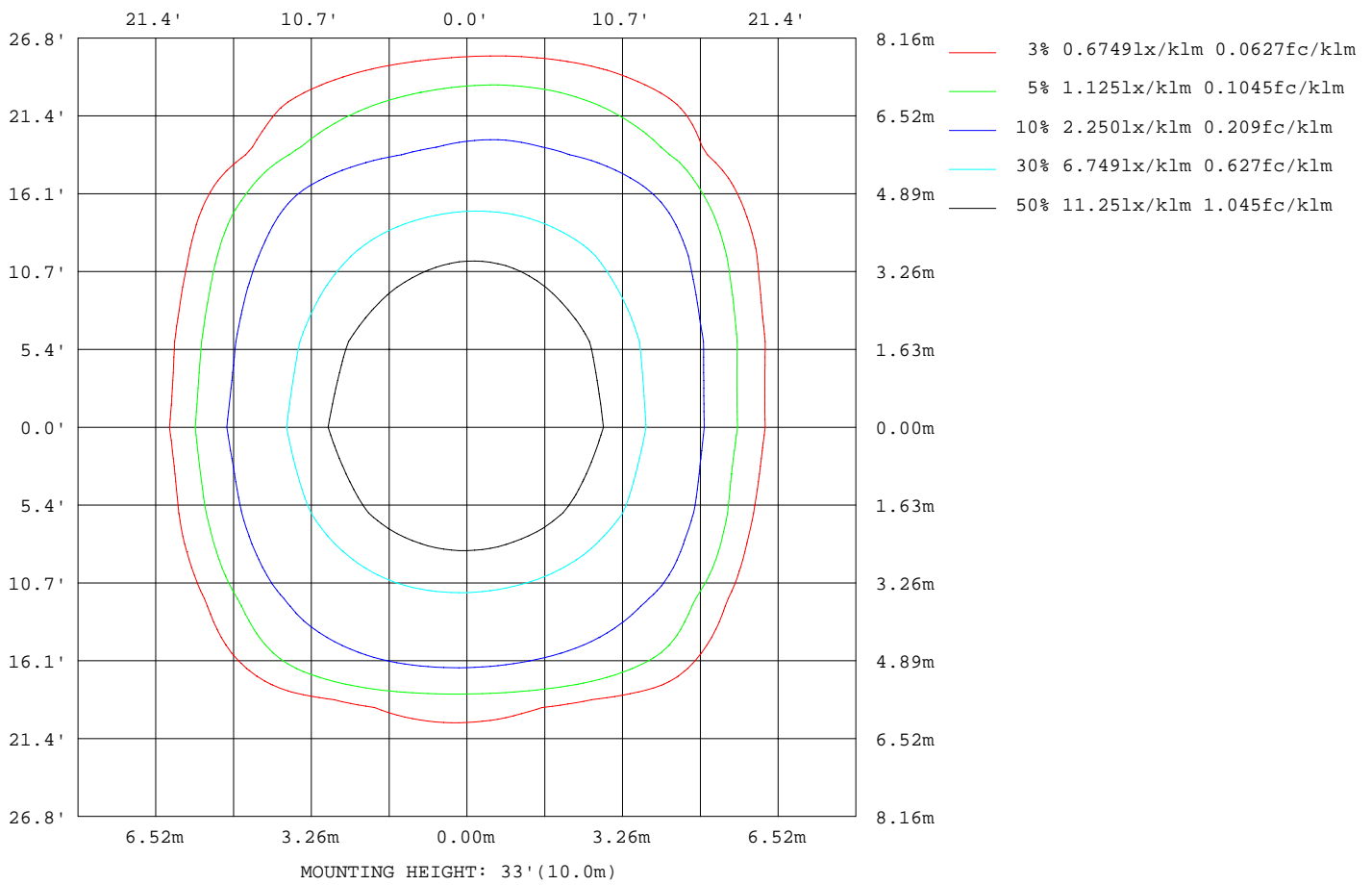
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HH
 Test Date: 2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.460m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HH
 Test Date: 2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.460m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

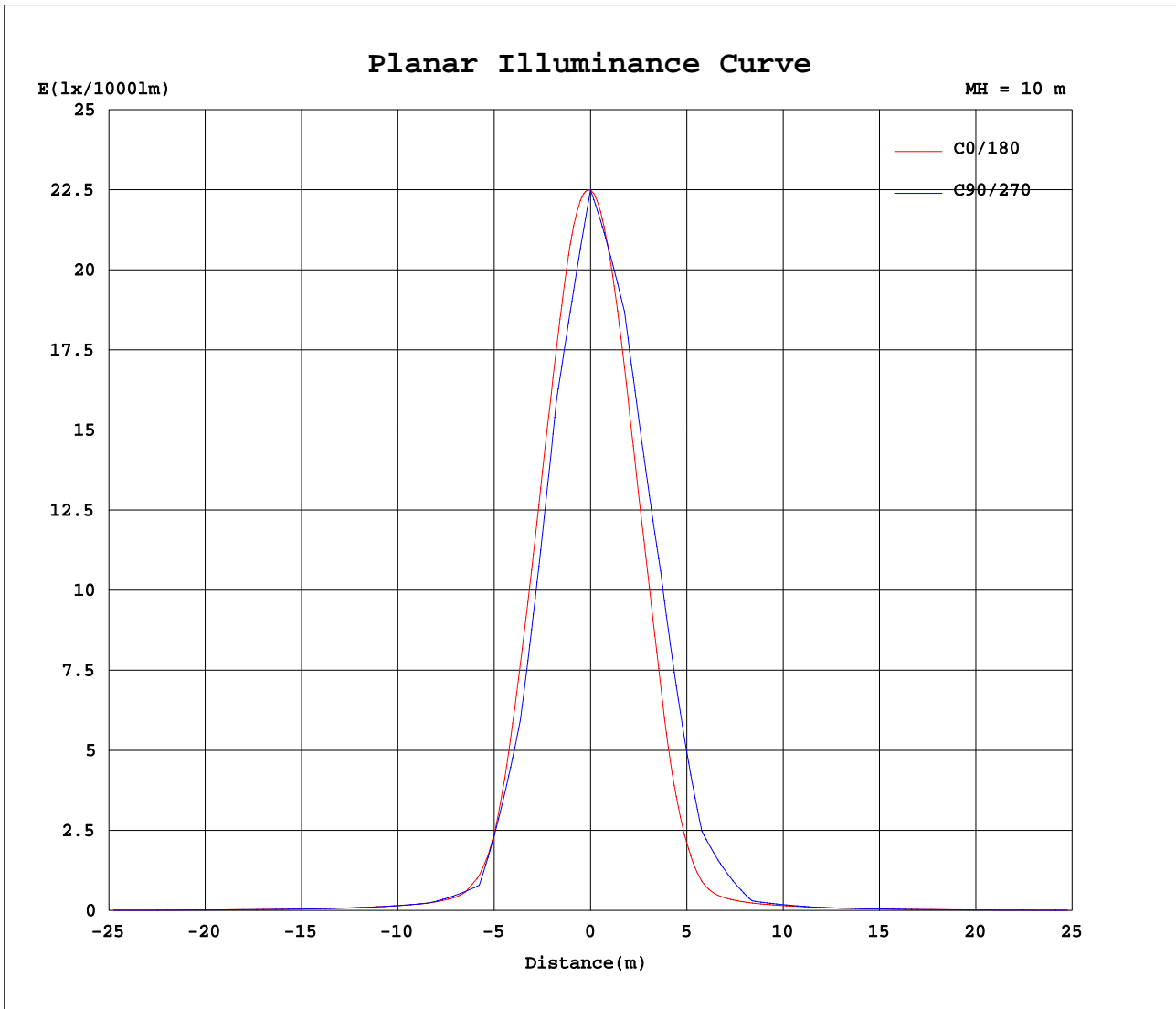
AvgL	cd/m2
L_0~180(65)av	546
L_0~180(75)av	513
L_0~180(85)av	339
L_90~270(65)av	514
L_90~270(75)av	490
L_90~270(85)av	0
L_45(65)av	485
L_45(75)av	468
L_45(85)av	281

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HH
 Test Date: 2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.460m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd/klm

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249
5	1956	1956	1955	1956	1957	1959	1962	1966	1971	1979	1988	1999	2011	2026	2043	2062	2083	2106	2094
10	1665	1660	1653	1647	1641	1636	1631	1629	1629	1630	1633	1639	1650	1664	1683	1708	1739	1775	1757
15	1193	1194	1197	1201	1207	1215	1223	1231	1240	1246	1234	1227	1226	1231	1244	1266	1298	1338	1318
20	723	733	745	759	772	782	791	799	807	813	817	821	811	799	795	800	816	848	831
25	424	430	437	444	447	447	445	445	457	458	447	427	409	391	376	370	375	392	383
30	128	141	161	184	206	224	236	238	225	203	194	181	168	156	149	142	139	142	141
35	87.7	88.2	88.2	87.7	86.6	85.2	83.7	100	103	97.5	88.4	80.1	74.8	71.8	70.4	69.5	69.7	71.4	70.6
40	53.0	54.9	57.2	59.4	61.0	61.1	59.3	57.5	55.3	56.1	54.7	53.4	52.4	51.8	51.7	51.7	51.8	52.6	52.2
45	43.8	44.2	44.6	44.7	44.8	44.6	44.9	45.0	44.3	43.3	42.9	43.0	43.0	43.2	43.1	43.4	43.4	44.1	43.7
50	35.2	35.7	36.2	36.6	36.8	36.8	36.7	36.5	36.3	35.8	35.6	35.5	35.4	35.6	35.6	35.7	36.0	36.7	36.3
55	30.4	30.5	30.6	30.5	30.3	29.9	29.6	29.6	29.5	29.2	29.0	28.9	29.1	29.4	29.9	30.3	30.8	31.4	31.0
60	25.6	25.7	25.7	25.5	25.3	25.0	24.5	24.1	23.7	23.8	24.0	24.2	24.5	24.9	25.4	26.0	26.6	27.3	26.9
65	20.6	20.7	20.6	20.5	20.4	20.2	20.0	19.7	19.5	19.5	19.7	19.8	20.0	20.0	20.1	20.8	21.4	22.1	21.7
70	15.6	15.6	15.6	15.6	15.5	15.5	15.4	15.3	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.6	16.3	17.0	16.5
75	11.3	11.3	11.2	11.2	11.1	11.1	11.0	10.9	10.9	11.1	11.2	11.3	11.3	11.2	11.2	11.1	11.7	12.4	11.9
80	7.03	7.00	6.97	6.96	6.95	6.94	6.94	6.96	7.00	6.84	6.70	7.24	7.47	7.69	7.65	7.54	7.65	8.52	7.55
85	0.03	0.11	0.23	0.41	0.63	0.90	1.20	1.55	1.95	2.03	1.62	2.00	2.75	3.42	2.71	3.24	2.80	3.06	1.49
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1248A P:14.79W PF:0.9854 Lamp Flux:1035.94x1 lm		
NAME: LED-2-S15W-30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Light By Lotus	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd/klm

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249	2249
5	2085	2077	2071	2066	2064	2064	2064	2066	2069	2073	2077	2082	2086	2091	2096	2099	2104	2105	2108
10	1745	1739	1738	1743	1752	1766	1782	1800	1818	1838	1860	1880	1899	1917	1934	1948	1958	1962	1963
15	1309	1309	1319	1338	1364	1397	1435	1456	1473	1494	1514	1532	1552	1571	1588	1604	1618	1625	1629
20	830	843	869	905	946	974	1004	1034	1062	1093	1127	1160	1189	1214	1239	1260	1278	1287	1291
25	387	403	431	465	504	554	610	659	700	728	747	767	782	792	803	816	831	845	858
30	146	157	173	195	224	261	297	337	382	406	409	403	393	382	374	374	384	402	425
35	71.5	74.1	77.5	83.9	95.1	112	133	151	160	160	182	191	199	205	211	217	226	235	242
40	52.5	53.0	53.7	55.6	57.8	61.2	66.4	70.3	78.9	87.9	96.5	98.4	92.1	83.8	75.2	68.8	67.5	72.3	82.6
45	43.9	43.9	44.3	44.1	44.1	44.0	46.0	48.2	50.3	50.0	48.7	49.7	50.4	51.0	51.3	51.6	52.3	53.4	54.5
50	36.2	36.3	36.4	36.2	36.3	36.3	36.5	36.7	37.0	38.3	39.0	39.2	39.1	38.7	38.0	37.4	37.1	37.6	38.6
55	30.7	30.5	29.8	29.4	29.2	29.1	29.4	29.5	29.7	30.1	30.7	31.3	31.6	31.6	31.6	31.4	31.3	31.5	31.9
60	26.5	25.9	25.2	24.4	23.7	23.4	23.1	23.1	23.8	24.4	25.1	25.6	25.9	25.9	25.7	25.5	25.4	25.6	25.9
65	21.3	20.4	19.9	19.5	19.2	18.9	18.6	18.7	19.1	19.4	20.0	20.6	21.0	21.2	21.3	21.4	21.3	21.5	21.7
70	15.8	15.2	14.7	14.5	14.5	14.6	14.6	14.7	15.0	15.3	15.8	16.2	16.6	16.9	17.1	17.2	17.3	17.4	17.6
75	11.0	10.5	10.2	10.2	10.3	10.5	10.6	10.8	11.1	11.4	11.8	12.2	12.5	12.8	13.0	13.1	13.1	13.3	13.4
80	6.54	6.18	5.97	6.40	6.42	6.76	7.06	7.31	7.43	7.62	8.06	8.36	8.58	8.76	8.89	8.98	9.03	9.13	9.20
85	0.72	0.59	1.30	1.37	1.20	2.66	2.59	2.19	1.74	1.37	1.08	0.78	0.52	0.30	0.13	0.03	0.00	0.03	0.14
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HH
 Test Date:2019-11-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.460m [K=1.0000]
 Remarks:

