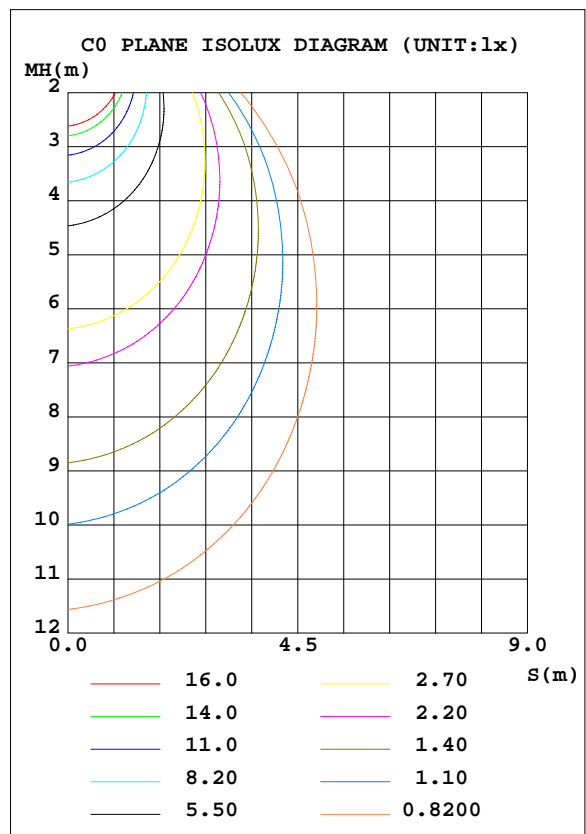
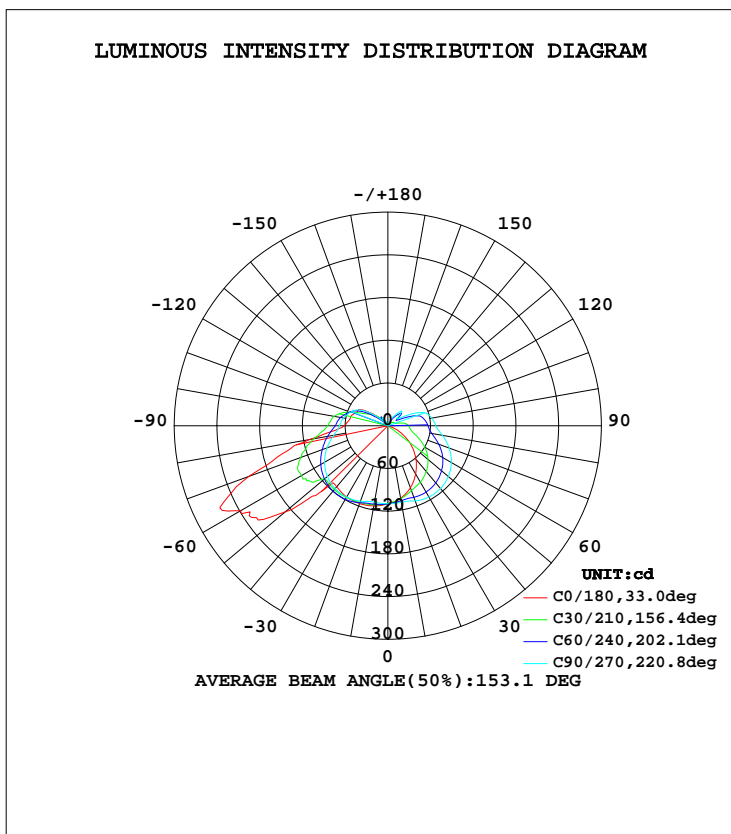


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 49.42 lm/W			
MODEL	4401	Imax(cd)	262.7	S/MH(C0/180)	1.57
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.61
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	760.21	η UP, DN(C0-180)	11.1,36.6
NOMINAL FLUX(lm)	760.208	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.1,40.2
LAMPS INSIDE	1	η up(%)	23.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	76.8	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	103.3	106.0	109.3	112.3	114.4	112.8	109.1	105.6	0- 10	10.44	10.44	1.37,1.37
20	92.69	102.5	112.3	113.4	116.3	114.7	112.8	103.0	10- 20	30.77	41.21	5.42,5.42
30	78.21	101.0	115.5	116.1	115.5	118.5	115.8	100.8	20- 30	50.09	91.30	12,12
40	61.48	96.13	115.1	117.0	112.0	119.0	115.3	95.31	30- 40	66.65	157.9	20.8,20.8
50	43.37	88.13	111.0	114.5	188.2	116.0	110.9	86.49	40- 50	80.53	238.5	31.4,31.4
60	23.86	76.67	103.1	108.7	238.9	109.5	102.8	74.15	50- 60	96.50	335.0	44.1,44.1
70	6.932	61.78	91.71	103.8	207.3	105.1	91.08	58.46	60- 70	98.71	433.7	57,57
80	2.056	49.25	77.90	96.55	112.1	95.03	77.29	46.71	70- 80	83.67	517.4	68.1,68.1
90	2.161	44.30	67.42	83.28	61.26	83.05	68.21	42.17	80- 90	66.75	584.1	76.8,76.8
100	2.276	39.65	62.71	73.67	54.20	73.21	63.11	37.15	90-100	58.35	642.5	84.5,84.5
110	2.384	22.98	54.14	47.54	50.40	59.26	55.80	30.49	100-110	48.67	691.1	90.9,90.9
120	2.386	10.85	27.05	27.00	45.63	31.76	44.37	13.44	110-120	32.80	723.9	95.2,95.2
130	2.399	16.95	17.73	24.40	22.49	11.18	19.97	7.105	120-130	17.70	741.6	97.6,97.6
140	2.442	10.23	25.45	14.74	8.014	14.41	8.566	7.049	130-140	10.19	751.8	98.9,98.9
150	2.434	2.850	13.03	5.550	3.508	4.897	10.55	2.588	140-150	5.671	757.5	99.6,99.6
160	2.346	2.407	2.412	2.303	2.586	2.489	2.692	2.411	150-160	1.807	759.3	99.9,99.9
170	2.338	2.472	2.414	2.338	2.315	2.384	2.442	2.411	160-170	0.6765	760.0	100,100
180	2.369	2.449	2.473	2.349	2.380	2.449	2.476	2.349	170-180	0.2289	760.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

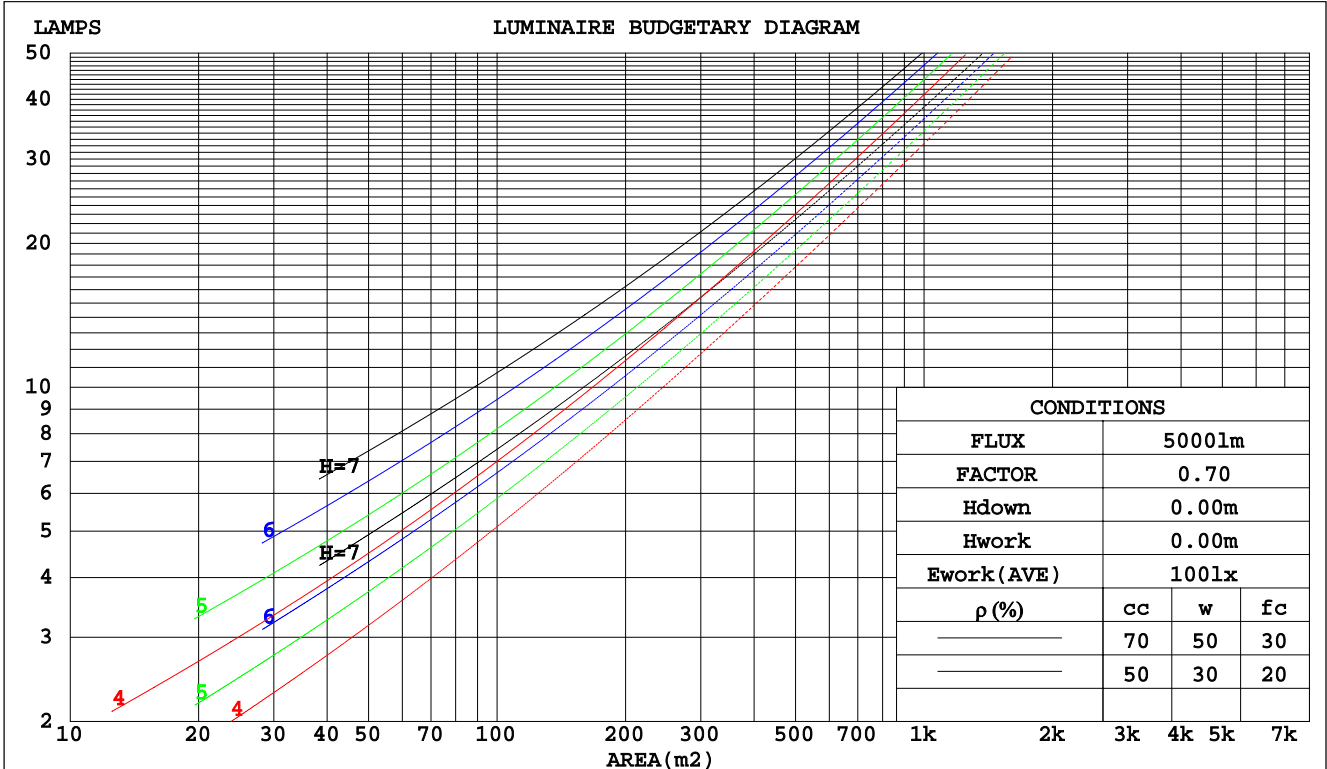
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.93	.87	.82	.88	.83	.78	.80	.75	.72	.72	.68	.65	.64	.62	.59	.55
2.0	.78	.70	.63	.74	.67	.60	.67	.61	.55	.60	.55	.51	.54	.50	.46	.43
3.0	.67	.58	.50	.64	.55	.48	.57	.50	.44	.51	.46	.41	.46	.41	.37	.34
4.0	.58	.49	.41	.56	.46	.39	.50	.42	.36	.45	.39	.33	.40	.35	.31	.27
5.0	.52	.42	.34	.49	.40	.33	.44	.36	.31	.40	.33	.28	.35	.30	.26	.23
6.0	.46	.36	.29	.44	.35	.28	.39	.32	.26	.35	.29	.24	.32	.26	.22	.19
7.0	.41	.32	.25	.39	.30	.24	.35	.28	.23	.32	.26	.21	.29	.23	.19	.17
8.0	.37	.28	.22	.35	.27	.21	.32	.25	.20	.29	.23	.18	.26	.21	.17	.15
9.0	.34	.25	.19	.32	.24	.19	.29	.22	.18	.27	.21	.16	.24	.19	.15	.13
10.0	.31	.23	.17	.30	.22	.17	.27	.20	.16	.25	.19	.15	.22	.17	.13	.11



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm									
NAME: Outdoor LED Lantern / 4401LED					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					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	.415	.236	.075	.400	.228	.073	.374	.214	.068	.349	.201	.065	.326	.189	.061	
2.0	.354	.194	.060	.341	.188	.058	.317	.176	.055	.294	.165	.052	.273	.155	.049	
3.0	.312	.166	.050	.300	.161	.048	.278	.151	.046	.257	.141	.043	.238	.132	.041	
4.0	.279	.145	.043	.268	.140	.041	.248	.131	.039	.229	.123	.037	.212	.115	.035	
5.0	.252	.128	.037	.242	.124	.036	.224	.116	.034	.207	.109	.032	.191	.102	.031	
6.0	.230	.115	.033	.221	.111	.032	.204	.104	.030	.188	.098	.029	.173	.091	.027	
7.0	.211	.104	.030	.203	.101	.029	.187	.095	.027	.173	.089	.026	.159	.083	.024	
8.0	.195	.095	.027	.187	.092	.026	.173	.087	.025	.160	.081	.023	.147	.076	.022	
9.0	.181	.088	.024	.174	.085	.024	.161	.080	.023	.149	.075	.021	.137	.070	.020	
10.0	.169	.081	.022	.163	.079	.022	.150	.074	.021	.139	.069	.020	.128	.064	.019	

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	.367	.367	.367	.314	.314	.314	.214	.214	.214	.123	.123	.123	.039	.039	.039	
1.0	.366	.333	.304	.313	.286	.262	.214	.197	.181	.123	.114	.105	.039	.037	.034	
2.0	.360	.311	.270	.308	.268	.233	.211	.185	.163	.122	.108	.095	.039	.035	.031	
3.0	.353	.295	.248	.302	.254	.215	.208	.177	.151	.120	.103	.089	.039	.033	.029	
4.0	.345	.283	.235	.296	.244	.204	.204	.170	.144	.118	.100	.085	.038	.032	.028	
5.0	.337	.273	.226	.290	.236	.196	.200	.165	.139	.116	.097	.082	.037	.032	.027	
6.0	.330	.265	.219	.283	.230	.191	.196	.161	.135	.113	.095	.080	.037	.031	.026	
7.0	.322	.259	.214	.277	.224	.187	.192	.157	.132	.111	.093	.079	.036	.030	.026	
8.0	.316	.253	.210	.272	.220	.183	.188	.154	.130	.109	.091	.078	.035	.030	.026	
9.0	.309	.249	.208	.266	.216	.181	.185	.152	.129	.107	.090	.077	.035	.029	.025	
10.0	.303	.244	.205	.261	.212	.179	.181	.149	.127	.106	.088	.076	.034	.029	.025	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm										
NAME: Outdoor LED Lantern / 4401LED					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	9.1	10.4	9.6	11.0	11.7	13.5	14.9	14.1	15.5	16.1
3H	9.7	11.0	10.3	11.6	12.3	16.3	17.6	16.9	18.2	18.9
4H	9.8	11.0	10.4	11.6	12.4	17.9	19.1	18.5	19.7	20.4
6H	9.8	10.9	10.4	11.6	12.3	19.5	20.7	20.2	21.3	22.1
8H	9.8	10.9	10.4	11.6	12.3	20.4	21.5	21.1	22.2	23.0
12H	9.8	10.9	10.5	11.5	12.3	21.5	22.5	22.1	23.2	24.0
4H 2H	10.9	12.1	11.5	12.8	13.5	13.9	15.1	14.6	15.8	16.5
3H	12.1	13.2	12.8	13.8	14.6	17.0	18.1	17.7	18.7	19.5
4H	12.5	13.5	13.2	14.2	15.0	18.7	19.7	19.4	20.4	21.2
6H	12.7	13.6	13.4	14.3	15.2	20.6	21.5	21.3	22.2	23.1
8H	12.8	13.6	13.5	14.3	15.2	21.7	22.5	22.4	23.2	24.1
12H	12.9	13.6	13.6	14.4	15.2	22.9	23.7	23.6	24.4	25.3
8H 4H	14.3	15.1	15.0	15.9	16.7	19.0	19.8	19.7	20.5	21.4
6H	15.2	15.9	15.9	16.6	17.5	21.2	21.9	21.9	22.6	23.5
8H	15.5	16.1	16.3	16.9	17.8	22.4	23.1	23.2	23.8	24.8
12H	15.8	16.3	16.5	17.1	18.0	24.0	24.5	24.7	25.3	26.2
12H 4H	14.9	15.7	15.6	16.4	17.3	18.9	19.7	19.7	20.4	21.3
6H	16.1	16.7	16.9	17.5	18.4	21.3	21.9	22.0	22.6	23.6
8H	16.7	17.3	17.5	18.1	19.0	22.6	23.2	23.4	24.0	24.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 760.2 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.0)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

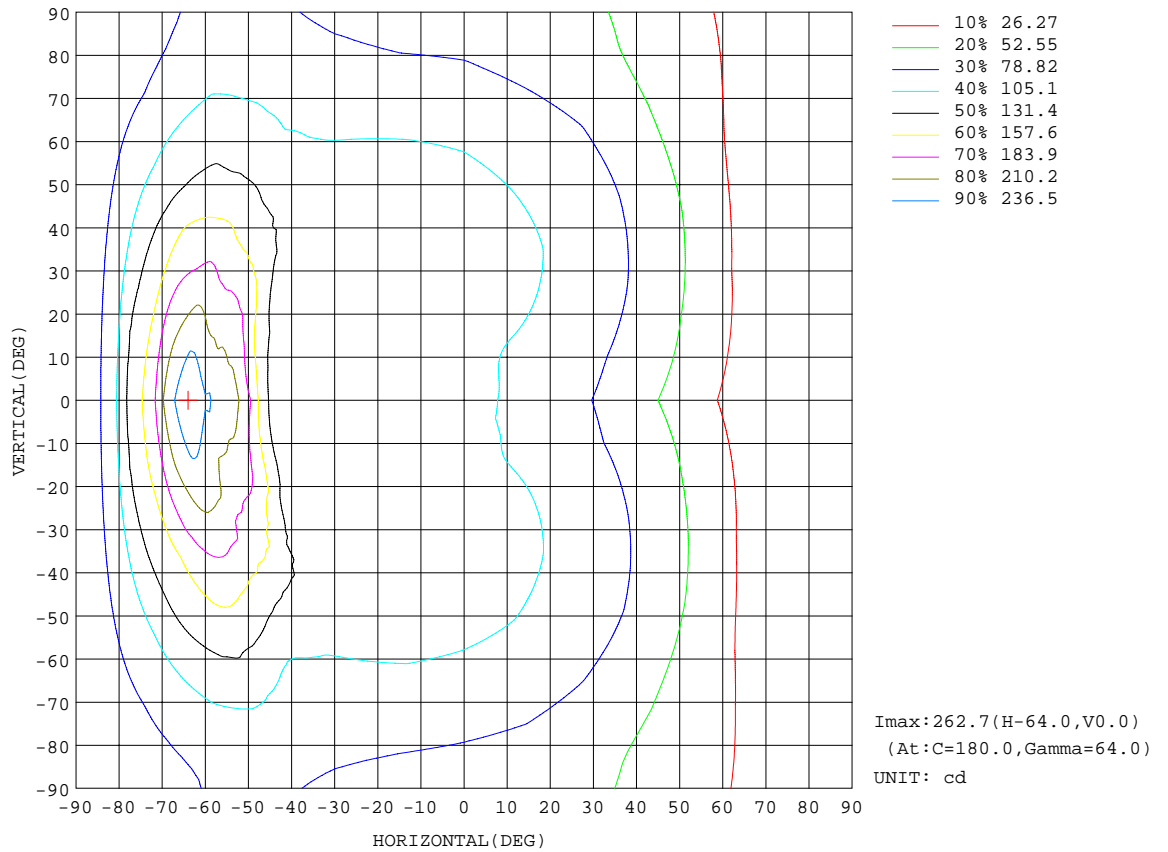
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	43	30	22	42	29	22	40	28	22	15
0.80	52	38	29	50	37	29	47	36	28	20
1.00	59	46	37	57	44	36	54	45	35	25
1.25	67	53	44	64	51	43	59	49	41	30
1.50	72	58	49	69	57	48	64	53	46	34
2.00	80	67	58	76	65	57	70	61	54	41
2.50	85	73	64	81	71	62	74	65	59	45
3.00	89	78	70	85	75	68	77	70	63	49
4.00	94	85	78	89	81	75	81	75	70	54
5.00	97	89	83	92	86	80	84	79	74	57
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

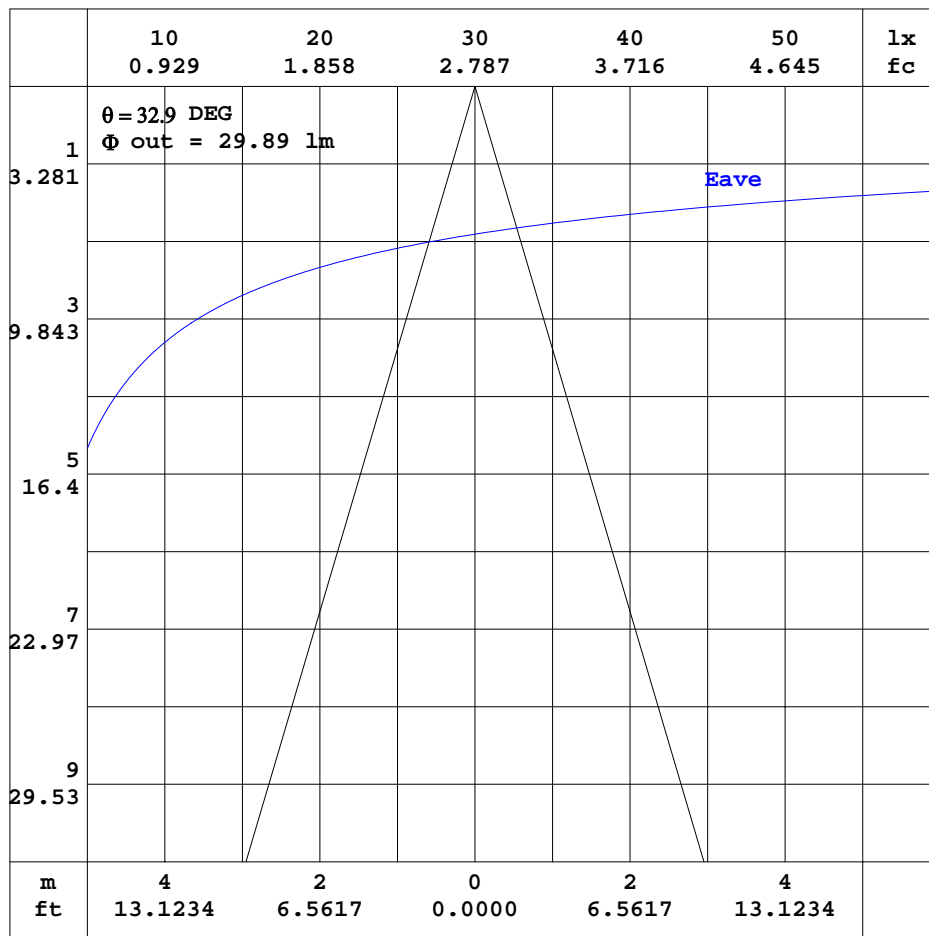


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wXH
 Test Date:2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



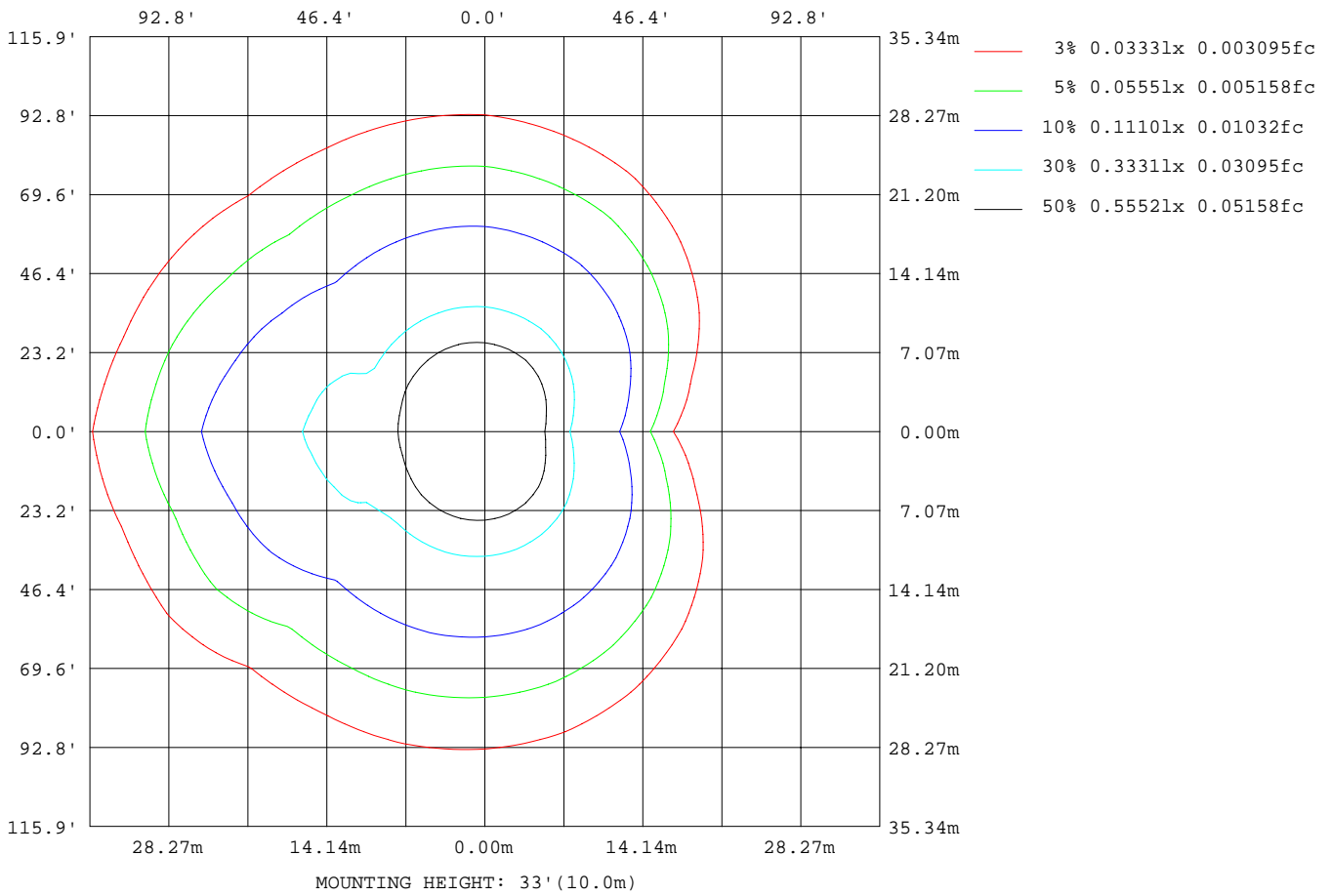
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

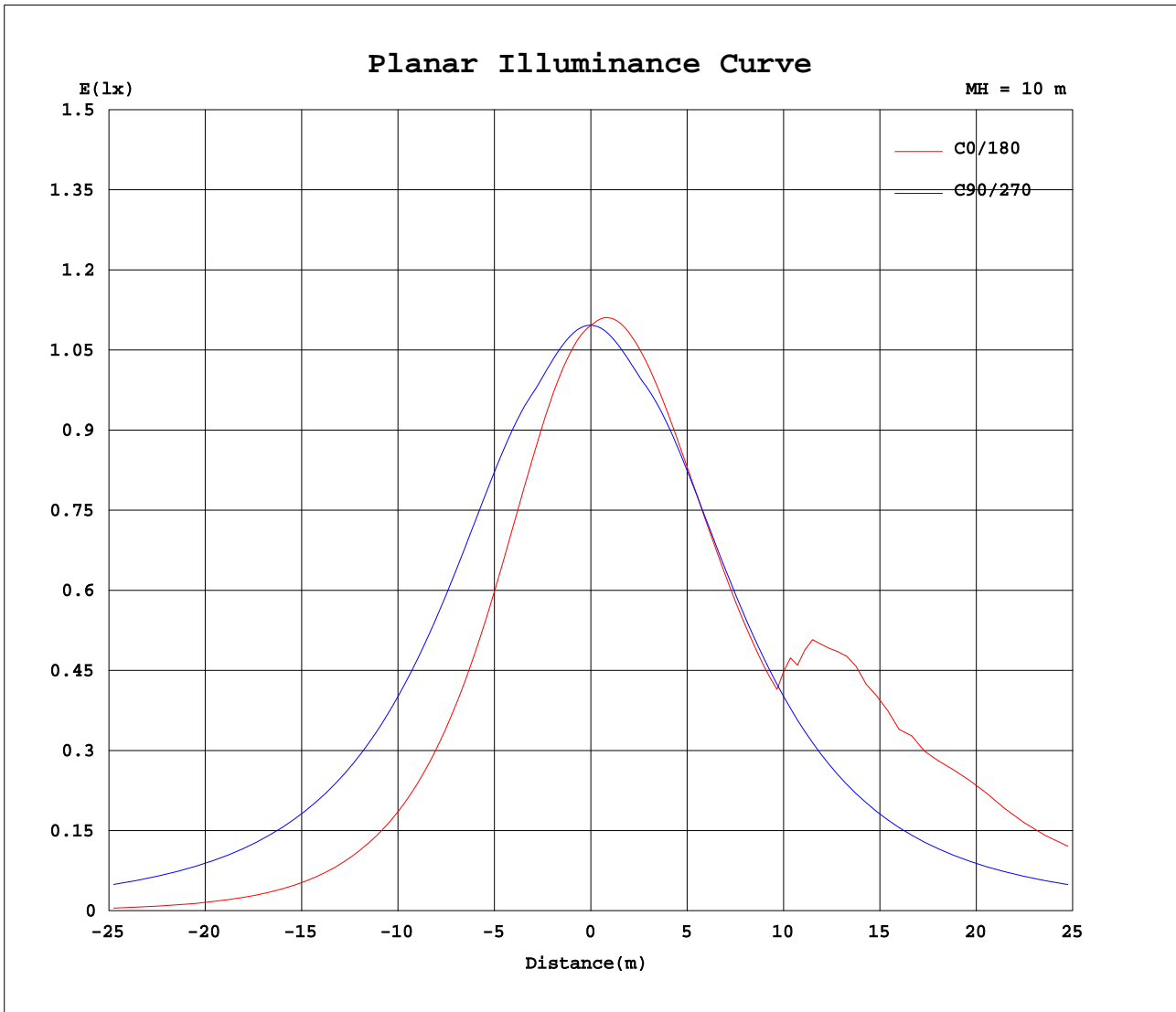
AvgL	cd/m2
L_0~180(65)av	3191
L_0~180(75)av	3035
L_0~180(85)av	4374
L_90~270(65)av	2309
L_90~270(75)av	3269
L_90~270(85)av	8183
L_45(65)av	2070
L_45(75)av	2973
L_45(85)av	7722

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

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	110	109	109	110	110	110	110	109	109	109	110	110	110	109	109	110	110	110	110
5	107	107	107	108	108	109	110	110	111	111	112	112	112	112	111	112	111	110	109
10	103	104	104	106	107	108	109	110	111	112	113	114	114	114	113	113	112	111	109
15	98.5	99.2	101	104	106	108	110	111	112	113	114	115	116	115	114	114	113	112	110
20	92.7	94.1	97.1	103	107	110	112	113	113	113	114	115	116	116	115	115	115	115	113
25	85.8	88.6	94.0	102	108	112	114	116	116	114	114	114	116	116	115	117	118	117	115
30	78.2	83.0	91.4	101	108	112	116	117	118	116	114	114	116	115	116	118	119	119	116
35	70.1	77.4	88.1	98.9	107	112	116	118	118	117	113	112	114	114	117	119	120	119	116
40	61.5	71.6	84.1	96.1	105	111	115	118	118	117	113	110	112	112	117	119	120	119	115
45	52.5	65.1	79.3	92.5	102	109	114	116	117	116	113	127	127	112	116	118	119	117	114
50	43.4	57.9	73.7	88.1	98.5	106	111	114	115	114	133	173	188	148	115	116	116	114	111
55	33.5	49.5	67.3	82.8	94.1	103	107	111	112	112	155	191	225	187	135	113	113	111	107
60	23.9	40.3	59.6	76.7	89.0	98.0	103	107	108	109	156	209	239	190	141	110	109	106	103
65	14.9	30.8	51.5	69.5	83.0	92.6	97.9	102	103	107	155	198	255	190	140	107	104	101	97.3
70	6.93	21.7	43.3	61.8	76.2	86.3	91.7	96.0	97.9	104	145	162	207	166	130	105	98.1	94.5	91.1
75	2.18	14.7	36.6	54.6	69.1	79.6	85.0	89.3	93.1	101	125	137	155	132	119	101	92.1	87.5	84.2
80	2.06	12.1	32.8	49.2	62.8	72.7	77.9	82.0	87.0	96.6	104	101	112	101	106	95.0	85.9	80.0	77.3
85	2.11	10.3	30.7	46.0	58.4	67.1	71.4	74.8	80.2	89.7	86.7	78.3	74.1	78.5	92.7	89.3	79.7	73.1	71.2
90	2.16	8.50	28.8	44.3	56.6	64.4	67.4	69.0	74.2	83.3	79.4	70.5	61.3	69.4	84.7	83.0	73.9	68.7	68.2
95	2.23	6.70	26.7	42.3	54.6	62.4	65.3	66.3	71.2	79.1	76.1	67.4	57.3	66.9	80.6	79.2	71.1	66.3	66.0
100	2.28	4.75	22.2	39.7	52.1	59.8	62.7	63.5	67.5	73.7	71.8	64.3	54.2	64.2	76.7	73.2	67.4	63.4	63.1
105	2.33	3.41	14.6	34.5	49.1	56.6	59.5	59.8	62.5	62.8	63.0	58.8	53.6	60.2	68.6	66.4	62.4	59.9	59.7
110	2.38	3.10	9.92	23.0	41.3	51.0	54.1	52.8	50.7	47.5	54.5	52.5	50.4	54.0	56.4	59.3	57.0	55.9	55.8
115	2.39	3.04	9.69	11.8	28.1	38.9	42.3	39.7	33.8	33.5	46.9	47.7	47.2	47.7	42.6	48.0	49.9	51.4	51.4
120	2.39	2.76	9.99	10.8	17.1	24.2	27.0	25.2	20.8	27.0	40.5	41.2	45.6	41.4	33.3	31.8	38.3	43.4	44.4
125	2.37	2.45	8.68	17.3	14.7	16.3	17.7	17.7	17.3	27.0	31.6	29.4	34.8	30.9	27.6	16.8	23.9	31.5	33.3
130	2.40	2.41	6.87	16.9	23.5	19.1	17.7	19.8	25.5	24.4	22.0	18.2	22.5	20.2	21.8	11.2	11.8	18.0	20.0
135	2.40	2.41	5.44	13.5	24.6	27.3	26.7	28.3	28.0	18.8	14.6	11.4	15.6	13.3	14.6	14.3	8.71	7.92	8.55
140	2.44	2.48	3.40	10.2	19.4	23.5	25.4	25.7	21.9	14.7	7.96	5.06	8.01	6.57	8.40	14.4	14.3	10.6	8.57
145	2.47	2.48	2.49	6.26	13.6	17.5	19.3	19.9	16.2	10.9	4.69	3.37	3.99	3.85	3.83	10.4	14.7	15.5	14.0
150	2.43	2.43	2.43	2.85	8.09	11.4	13.0	13.8	10.7	5.55	4.66	4.06	3.51	3.74	3.80	4.90	9.07	11.1	10.5
155	2.42	2.39	2.33	2.40	2.50	5.17	6.39	7.14	2.95	2.34	2.60	3.25	3.89	3.78	2.94	2.95	4.35	5.52	5.09
160	2.35	2.35	2.33	2.41	2.43	2.40	2.41	2.29	2.31	2.30	2.28	2.19	2.59	2.41	2.38	2.49	2.91	2.94	2.69
165	2.31	2.35	2.40	2.38	2.39	2.40	2.36	2.32	2.32	2.30	2.23	2.18	2.33	2.34	2.39	2.39	2.41	2.62	2.57
170	2.34	2.38	2.39	2.47	2.50	2.45	2.41	2.36	2.35	2.34	2.29	2.25	2.32	2.34	2.37	2.38	2.40	2.42	2.44
175	2.34	2.40	2.42	2.48	2.51	2.53	2.52	2.49	2.38	2.30	2.26	2.22	2.34	2.36	2.39	2.38	2.44	2.47	2.48
180	2.37	2.37	2.39	2.45	2.49	2.53	2.47	2.44	2.41	2.35	2.28	2.26	2.38	2.37	2.39	2.45	2.49	2.53	2.48

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: wxh
 Test Date: 2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.8V I:0.1305A P:15.38W PF:0.9837 Lamp Flux:760.208x1 lm		
NAME: Outdoor LED Lantern / 4401LED	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	109	109	109	110	110														
5	109	108	108	107	107														
10	108	107	106	105	104														
15	109	107	104	102	100.0														
20	111	108	103	98.3	95.1														
25	112	108	102	95.5	89.8														
30	112	108	101	92.5	84.1														
35	112	107	98.5	88.8	78.2														
40	110	105	95.3	84.3	72.0														
45	108	102	91.3	79.0	64.9														
50	105	97.8	86.5	73.0	57.1														
55	100	93.1	80.7	66.1	48.3														
60	95.4	87.6	74.1	57.8	38.5														
65	89.5	81.2	66.4	48.8	28.5														
70	82.9	74.0	58.5	40.0	18.8														
75	75.9	66.9	51.5	32.6	10.9														
80	69.3	61.0	46.7	28.5	7.87														
85	64.9	57.6	44.1	26.0	5.96														
90	63.0	55.7	42.2	23.7	4.29														
95	60.6	53.4	39.9	21.1	3.08														
100	57.7	50.6	37.1	18.2	2.42														
105	54.4	47.4	34.1	14.1	2.46														
110	50.5	43.7	30.5	7.86	2.50														
115	46.1	39.2	23.2	3.12	2.46														
120	38.9	30.4	13.4	3.95	2.48														
125	27.7	18.9	5.59	4.87	2.51														
130	15.1	8.58	7.11	3.65	2.55														
135	6.59	7.81	10.2	2.69	2.52														
140	10.4	12.7	7.05	2.50	2.50														
145	13.1	10.9	3.64	2.51	2.47														
150	7.63	5.43	2.59	2.39	2.40														
155	3.19	2.64	2.55	2.32	2.33														
160	2.65	2.61	2.41	2.31	2.25														
165	2.53	2.45	2.39	2.31	2.23														
170	2.42	2.48	2.41	2.30	2.28														
175	2.45	2.45	2.37	2.32	2.34														
180	2.44	2.41	2.35	2.28	2.26														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:wxh
 Test Date:2017-03-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: