

Photometrics Pro

Luminaire Photometric Report

Filename: s16100023c-02 CMED412-930

Manufacturer: Ilsung Ltd.

Luminaire: 120V 50/60HZ 16W 3000K

Luminaire Cat: CMED412-930

Lamp Output: 1 lamp, rated Lumens/lamp: 944.4

Max Candela: 275.6 at Horizontal: 110°, Vertical: 1°

Input Wattage: 15.97

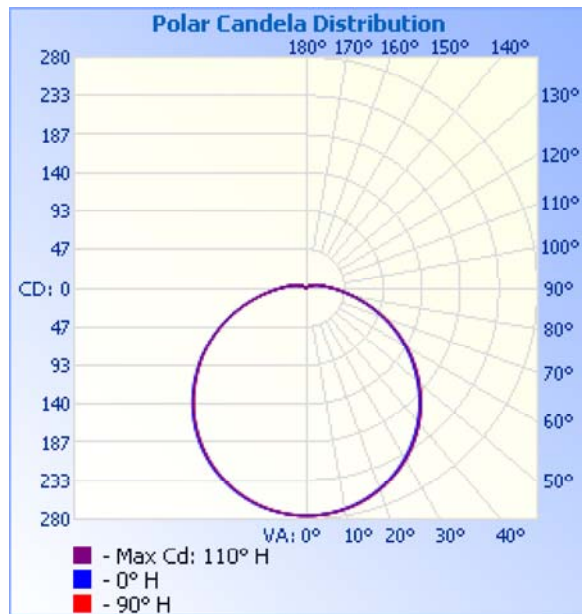
Luminous Opening: Point

Test: s16100023c-02

Test Lab: LEADING TESTING LABORATORIES

Photometry : Type C

Cutoff Class: Semicutoff

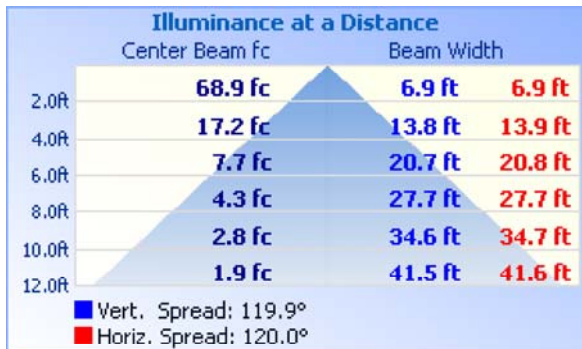


Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.1%	898.1	n/a	183.8
Beam (50%):	68.6%	648.1	120	119.9
Total:	100%	944.3		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	216.3	22.9%	22.9%
0-40	357.3	37.8%	37.8%
0-60	647.9	68.6%	68.6%
60-90	244.2	25.9%	25.9%
70-100	153.8	16.3%	16.3%
90-120	47.7	5%	5%
0-90	892.0	94.5%	94.5%
90-180	52.3	5.5%	5.5%
0-180	944.3	100%	100%



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	50	30	20	0			
RCR: 0	1.18	1.18	1.18	1.18	1.14	1.14	1.14	.94	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.94						
1	1.06	1.00	.95	.91	1.02	.97	.93	.76	.92	.88	.85	.87	.84	.82	.83	.80	.78	.76						
2	.96	.87	.79	.73	.92	.84	.77	.63	.80	.74	.69	.75	.71	.67	.72	.68	.64	.62						
3	.87	.75	.67	.60	.84	.73	.65	.53	.70	.63	.57	.66	.60	.55	.63	.58	.54	.51						
4	.79	.67	.57	.50	.76	.65	.56	.45	.62	.54	.48	.59	.52	.47	.56	.50	.46	.43						
5	.73	.59	.50	.43	.70	.58	.49	.39	.55	.47	.41	.52	.46	.40	.50	.44	.40	.37						
6	.67	.53	.44	.37	.65	.52	.43	.34	.50	.42	.36	.47	.41	.35	.45	.39	.35	.32						
7	.62	.48	.39	.33	.60	.47	.38	.30	.45	.37	.32	.43	.36	.31	.41	.35	.31	.28						
8	.58	.44	.35	.29	.56	.43	.35	.27	.41	.34	.28	.39	.33	.28	.38	.32	.27	.25						
9	.54	.40	.32	.26	.52	.39	.31	.24	.38	.31	.25	.36	.30	.25	.35	.29	.25	.23						
10	.50	.37	.29	.24	.49	.36	.29	.22	.35	.28	.23	.34	.27	.23	.32	.26	.22	.20						

Luminaire Report Summary

IESNA:LM-63-1995
[TEST] s16100023c-02
[TESTLAB] LEADING TESTING LABORATORIES
[TESTDATE]
[ISSUEDATE] 2016-10-28 13:10:36
[NEARFIELD]
[LAMPPOSITION] 0,0
[MANUFAC] Ilsung Ltd.
[LUMCAT] CMED412-930
[LUMINAIRE] 120V 50/60HZ 16W 3000K
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 361, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.