

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730984

Luminaire Tested: **HBLED-LD5-36SE-N-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-N-CL-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35458.0 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

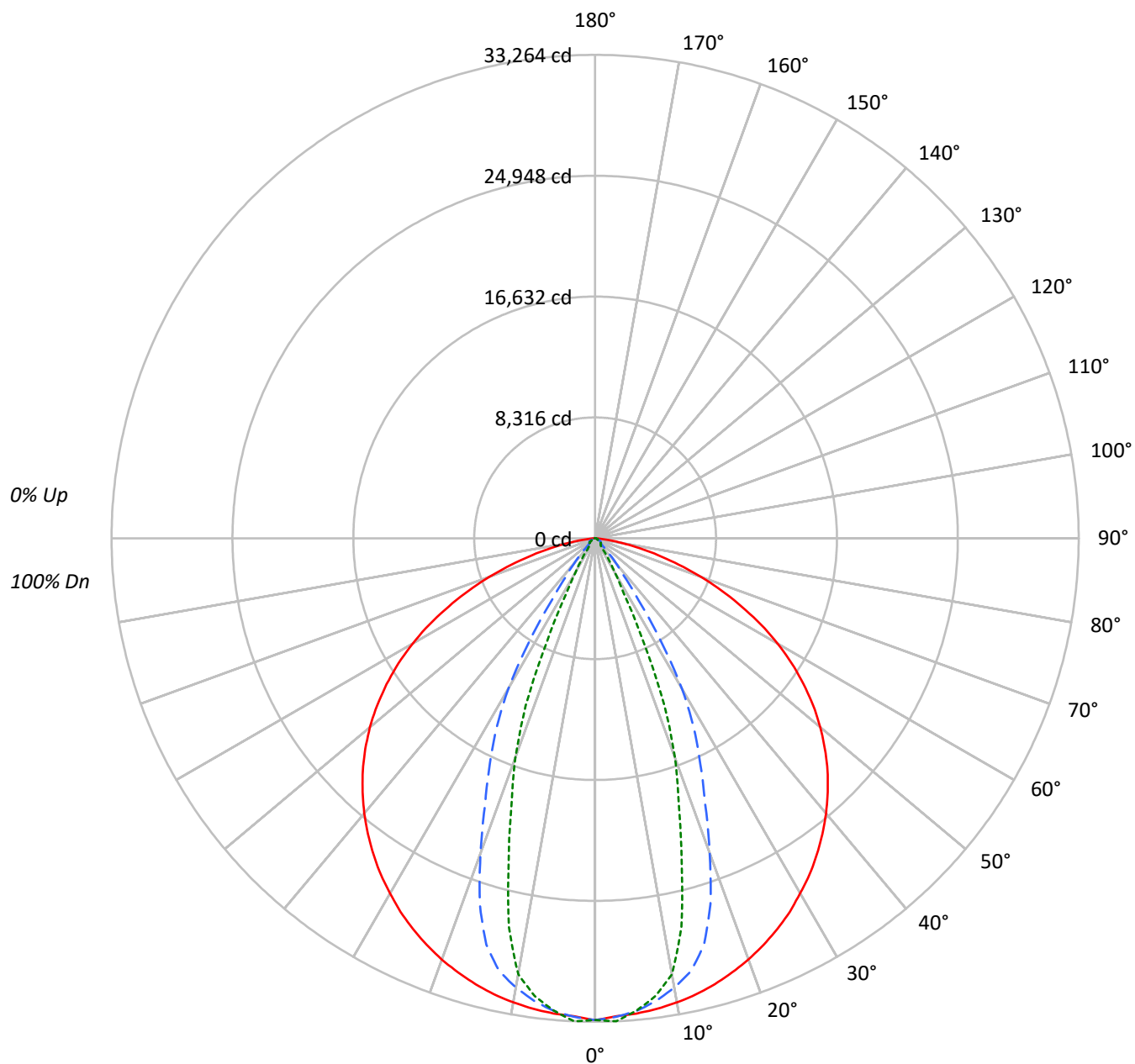
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	105	103	109	106	104	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53530	53530	53530
5°	53201	52924	52885
10°	53166	51461	49942
15°	53105	48391	38401
20°	53001	39601	27544
25°	52835	30511	13997
30°	52585	22268	5093
35°	52397	10226	1772
40°	52075	4641	1223
45°	51612	1732	1240
50°	50789	1257	1304
55°	49285	1323	993
60°	46836	1413	876
65°	42474	1076	713
70°	36417	777	657
75°	27835	688	625
80°	17416	647	679
85°	5500	756	913



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3086.6	8.7
10°-20°	7775.5	21.9
20°-30°	8467.8	23.9
30°-40°	6334.4	17.9
40°-50°	4554.6	12.8
50°-60°	2797.2	7.9
60°-70°	1609.6	4.5
70°-80°	718.4	2.0
80°-90°	113.9	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	19329.9	54.5
0°-40°	25664.3	72.4
0°-60°	33016.1	93.1
0°-90°	35458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33154	33154	33154	33154	33154	
5°	32825	32979	32654	32684	32630	###
15°	31770	31161	28950	24863	22973	8968
25°	29658	27530	17127	10989	7857	13671
35°	26583	19066	5188	1525	899	16629
45°	22603	10712	758	562	543	17413
55°	17508	2226	470	455	353	15610
65°	11118	244	282	234	187	11005
75°	4462	148	110	114	100	4842
85°	297	29	41	52	49	592
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	33154.1	33154.1	33154.1	33154.1	33154.1
2.5°	32923.5	33138.9	32957.3	33120.2	33264.4
5°	32825.1	32979.4	32653.7	32684.1	32630.0
7.5°	32655.3	32692.7	32104.0	31876.7	31766.3
10°	32428.0	32328.0	31388.1	30846.9	30461.8
12.5°	32141.4	31810.5	30497.3	28564.9	27413.1
15°	31769.8	31160.7	28950.1	24863.2	22973.1
17.5°	31327.0	30482.1	26388.2	20721.7	19086.3
20°	30846.9	29732.2	23047.7	17618.8	16030.7
22.5°	30280.2	28773.6	19753.0	14653.1	12473.2
25°	29657.6	27530.1	17126.8	10988.7	7856.8
27.5°	28985.8	25889.5	14695.5	6738.7	4248.2
30°	28205.3	23892.6	11943.8	3781.7	2731.5
32.5°	27443.5	21565.0	8532.0	2519.3	1745.7
35°	26583.3	19066.0	5188.1	1525.2	899.1
37.5°	25672.3	16794.2	3247.2	829.6	620.9
40°	24707.0	14639.6	2202.1	588.8	580.3
42.5°	23675.4	12690.2	1379.2	559.8	578.5
45°	22603.3	10712.0	758.4	561.6	543.0
47.5°	21439.5	8564.3	529.4	531.0	529.4
50°	20219.7	6143.2	500.6	524.3	519.2
52.5°	18904.8	3813.9	502.2	512.3	459.8
55°	17508.5	2225.8	469.9	454.7	352.9
57.5°	16040.9	1387.7	459.8	375.0	317.2
60°	14503.9	733.0	437.7	337.7	271.4
62.5°	12866.7	361.4	351.1	288.4	222.3
65°	11117.5	244.4	281.7	234.1	186.6
67.5°	9427.7	220.5	212.1	191.7	162.9
70°	7714.3	201.8	164.5	167.9	139.1
72.5°	6033.0	183.2	132.3	144.2	117.0
75°	4462.0	147.6	110.3	113.6	100.2
77.5°	3104.7	115.4	86.6	96.7	93.3
80°	1873.1	73.0	69.6	79.7	73.0
82.5°	907.6	47.5	54.3	62.7	57.6
85°	296.9	28.8	40.8	52.5	49.3
87.5°	37.3	17.0	33.9	45.8	42.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)