

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: P731020

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH WIDE 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): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

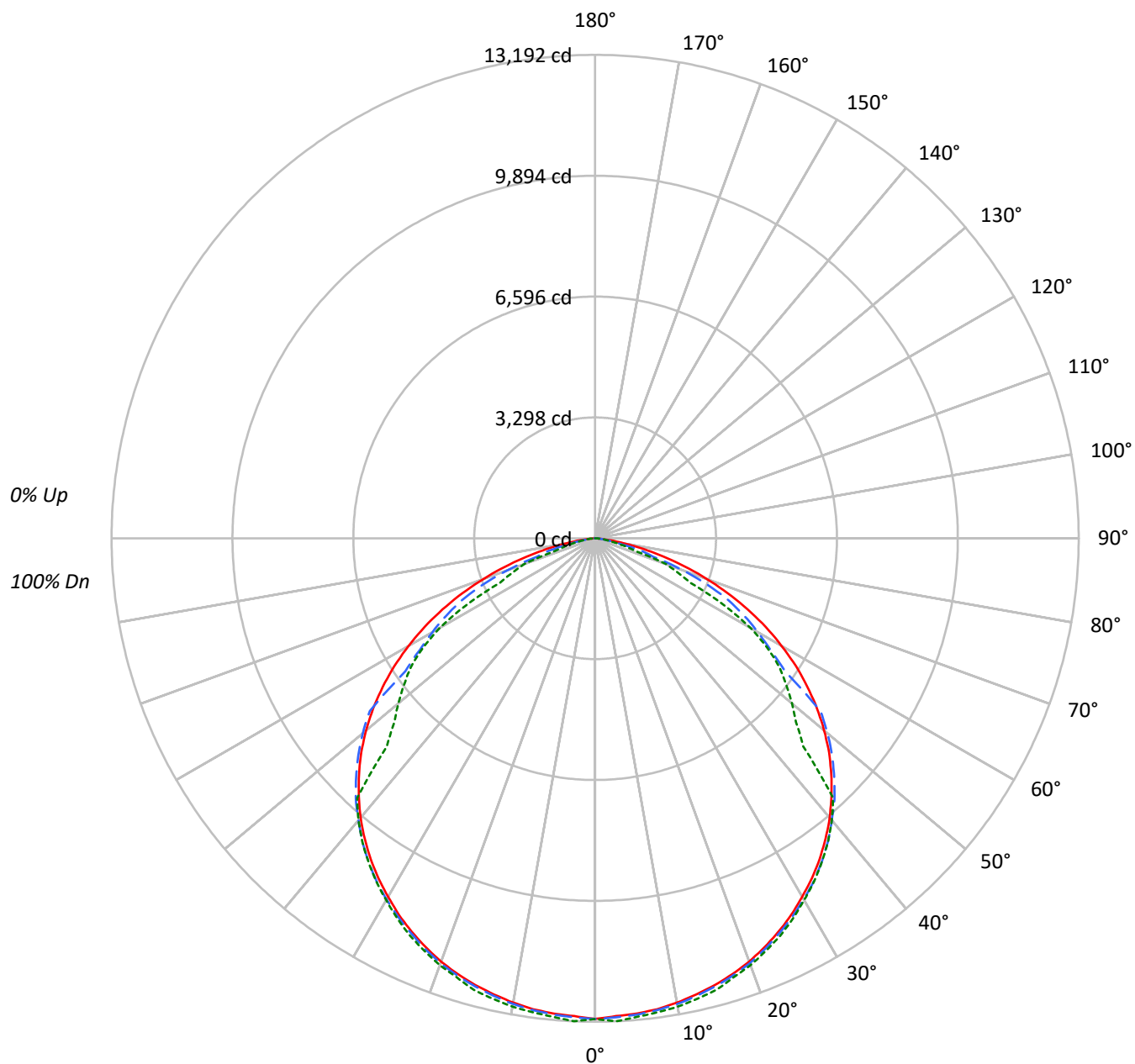
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21177	21177	21177
5°	21100	21146	21250
10°	21098	21158	21280
15°	21096	21160	21331
20°	21122	21202	21301
25°	21098	21178	21306
30°	21058	21213	21261
35°	21049	21241	21256
40°	20983	21168	21168
45°	20803	21055	18345
50°	20482	20791	17602
55°	19901	17797	17289
60°	18967	16543	15795
65°	17541	15357	10939
70°	15273	11949	9747
75°	12065	8020	5240
80°	7766	3831	3266
85°	3196	2338	2573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1244.1	3.5
10°-20°	3586.1	10.1
20°-30°	5498.0	15.5
30°-40°	6738.6	19.0
40°-50°	6927.8	19.5
50°-60°	5912.6	16.7
60°-70°	3908.9	11.0
70°-80°	1448.2	4.1
80°-90°	193.7	0.5
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°	10328.2	29.1
0°-40°	17066.8	48.1
0°-60°	29907.2	84.3
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°	13116	13116	13116	13116	13116	
5°	13018	13109	13047	13098	13111	###
15°	12621	12697	12659	12755	12761	3565
25°	11843	11905	11888	11995	11960	5460
35°	10679	10752	10776	10843	10784	6680
45°	9111	9202	9221	9206	8034	7021
55°	7070	7199	6322	6139	6142	6308
65°	4591	4630	4020	3306	2863	4527
75°	1934	1694	1286	864	840	2075
85°	172	123	126	137	139	285
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13115.8	13115.8	13115.8	13115.8	13115.8
2.5°	13051.9	13133.4	13085.3	13146.1	13192.3
5°	13018.4	13109.4	13047.1	13098.2	13111.0
7.5°	12960.9	13045.5	12988.0	13055.1	13045.5
10°	12868.3	12944.9	12905.0	12975.3	12979.9
12.5°	12750.1	12826.7	12790.0	12876.2	12874.6
15°	12620.7	12697.4	12659.0	12754.9	12761.3
17.5°	12469.0	12539.3	12510.5	12598.4	12563.2
20°	12293.3	12354.0	12339.6	12422.7	12397.1
22.5°	12077.7	12140.0	12125.7	12221.5	12183.1
25°	11843.0	11905.3	11887.7	11994.7	11959.6
27.5°	11589.1	11648.1	11646.5	11747.2	11692.9
30°	11295.2	11373.6	11378.4	11467.7	11403.8
32.5°	11004.7	11078.0	11098.9	11164.4	11110.1
35°	10678.9	10752.2	10776.3	10843.4	10784.3
37.5°	10327.4	10389.8	10432.8	10482.3	10436.0
40°	9955.4	10011.3	10043.3	10103.8	10043.3
42.5°	9540.2	9620.1	9664.8	9707.9	9608.9
45°	9110.6	9201.6	9220.8	9206.4	8034.2
47.5°	8655.5	8754.5	8765.7	7644.7	7429.1
50°	8154.0	8278.7	8277.0	7064.8	7007.5
52.5°	7631.9	7751.7	7746.9	6611.4	6573.1
55°	7069.6	7199.1	6322.3	6138.7	6141.9
57.5°	6496.4	6589.0	5672.4	5680.3	5574.9
60°	5873.6	5961.4	5123.0	5073.5	4891.4
62.5°	5249.3	5285.9	4591.3	4350.0	4003.6
65°	4591.3	4629.5	4019.6	3305.7	2863.3
67.5°	3915.8	3954.1	3336.0	2459.3	2425.7
70°	3235.4	2922.4	2531.2	2049.0	2064.8
72.5°	2564.7	2245.3	1654.4	1587.3	1146.5
75°	1934.0	1694.3	1285.6	864.0	840.0
77.5°	1346.3	1167.4	688.3	589.3	551.0
80°	835.2	586.1	412.0	365.7	351.3
82.5°	423.2	337.0	223.6	223.6	223.6
85°	172.5	123.0	126.2	137.3	138.9
87.5°	36.7	49.5	60.7	62.3	60.7
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)