

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: P730954

Luminaire Tested: **HBLED-LD5-36HE-N-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23767)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-N-UNV-L750
Description: 36000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37370.0 lumens
Efficiency: N/A
Efficacy: 178.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.62 / 0.77
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

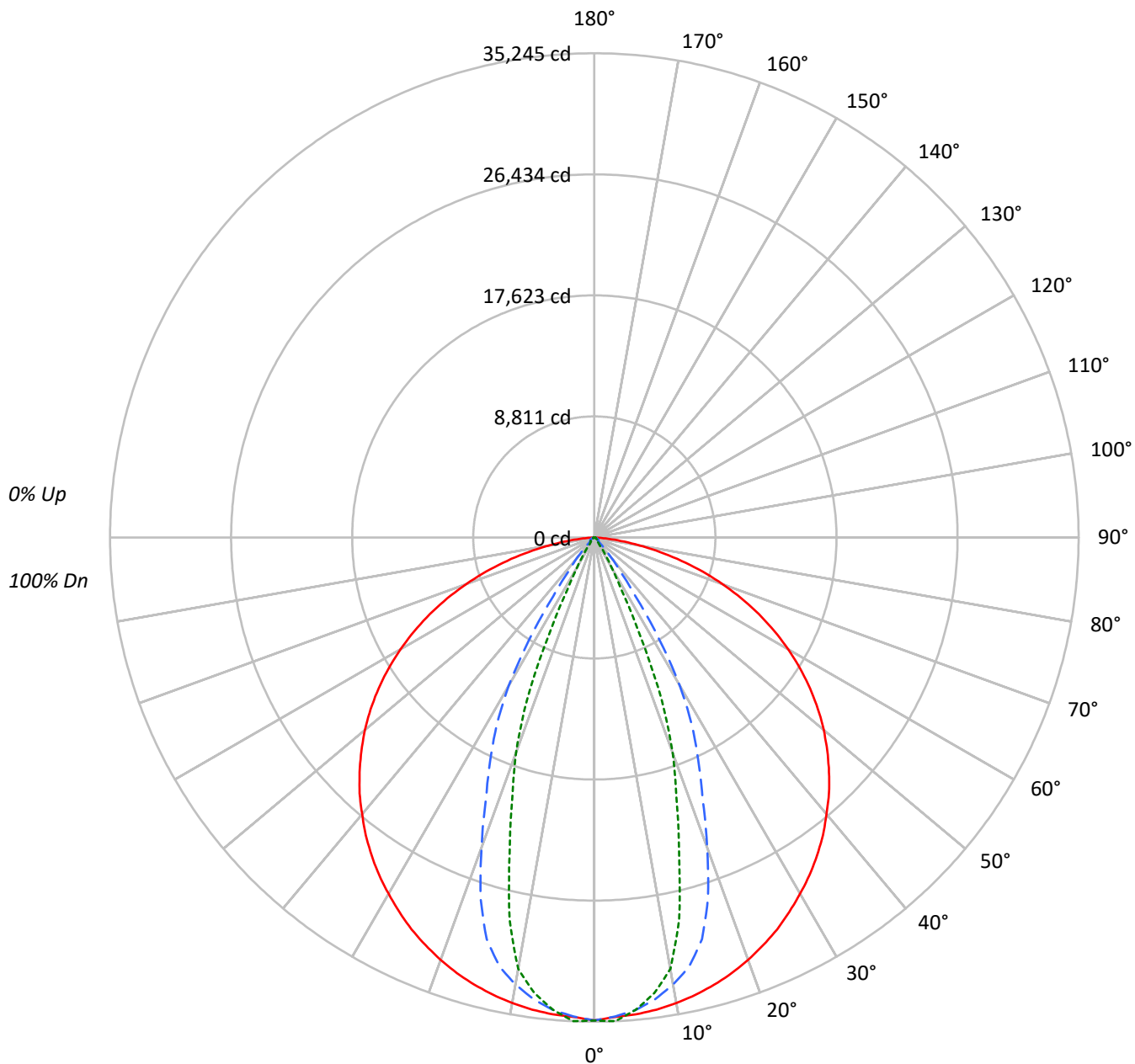
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	58	54	75	65	58	53	63	57	53		62	57	53		61
8	72	61	54	49	71	61	54	49	59	53	49		58	53	49		57
9	68	57	51	46	67	57	50	46	56	50	46		55	49	46		54
10	65	54	47	43	64	53	47	43	53	47	43		52	46	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56768	56768	56768
5°	56464	55965	55941
10°	56429	54172	52272
15°	56349	50609	39781
20°	56218	41257	28635
25°	56075	31901	14106
30°	55827	23184	4575
35°	55695	10286	1177
40°	55404	4177	793
45°	55156	1173	844
50°	54726	832	937
55°	53938	989	400
60°	52606	1102	243
65°	50442	703	288
70°	46862	624	355
75°	40995	470	490
80°	30652	576	700
85°	15183	743	928



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3262.8	8.7
10°-20°	8158.7	21.8
20°-30°	8837.2	23.6
30°-40°	6544.3	17.5
40°-50°	4713.6	12.6
50°-60°	2918.6	7.8
60°-70°	1794.9	4.8
70°-80°	946.2	2.5
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°	20258.7	54.2
0°-40°	26803.0	71.7
0°-60°	34435.2	92.1
0°-90°	37370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35159	35159	35159	35159	35159	
5°	34838	34967	34530	34556	34516	###
15°	33711	32928	30277	25748	23799	9516
25°	31476	28832	17907	11265	7918	14503
35°	28257	19920	5218	1228	597	17678
45°	24155	11223	514	371	370	18629
55°	19161	2312	351	318	142	17105
65°	13203	244	184	117	75	13027
75°	6572	57	75	99	78	6941
85°	820	22	40	60	50	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	35159.4	35159.4	35159.4	35159.4	35159.4
2.5°	34933.6	35156.1	34893.5	35089.2	35244.7
5°	34838.2	34967.0	34530.5	34555.6	34515.5
7.5°	34671.0	34640.9	33906.7	33585.5	33445.1
10°	34418.5	34219.4	33042.0	32371.3	31882.8
12.5°	34092.4	33647.4	31963.2	29830.6	28505.9
15°	33710.9	32928.2	30277.1	25747.9	23799.2
17.5°	33256.0	32147.1	27520.7	21579.6	19840.3
20°	32719.1	31275.6	24011.6	18360.0	16665.7
22.5°	32120.3	30215.2	20603.0	15259.0	12842.1
25°	31476.4	28832.1	17906.6	11264.8	7918.0
27.5°	30732.1	27054.1	15377.8	6635.2	4041.0
30°	29944.3	24913.1	12435.6	3569.2	2453.7
32.5°	29149.8	22486.2	8799.5	2229.6	1391.6
35°	28256.7	19920.4	5218.4	1227.7	597.2
37.5°	27325.0	17568.9	3084.2	558.7	383.0
40°	26286.4	15419.6	1982.0	371.2	376.3
42.5°	25282.9	13415.8	1115.7	366.2	373.0
45°	24155.4	11223.0	513.5	371.2	369.6
47.5°	22989.6	8949.9	332.8	374.6	374.6
50°	21787.2	6399.4	331.2	383.0	373.0
52.5°	20517.6	3992.5	344.6	381.4	306.1
55°	19161.2	2311.5	351.2	317.7	142.2
57.5°	17756.2	1363.1	354.6	182.3	80.3
60°	16290.9	754.3	341.2	135.4	75.3
62.5°	14780.6	359.6	269.3	127.2	73.5
65°	13203.3	244.2	183.9	117.0	75.3
67.5°	11565.9	188.9	145.5	110.4	76.9
70°	9926.8	140.4	132.2	110.4	75.3
72.5°	8260.9	95.4	110.4	112.0	75.3
75°	6571.5	56.9	75.3	98.8	78.5
77.5°	4897.3	35.1	58.5	102.0	95.4
80°	3296.6	30.1	61.9	95.4	75.3
82.5°	1935.3	26.8	60.3	73.5	60.3
85°	819.6	21.8	40.1	60.3	50.1
87.5°	153.9	18.4	31.8	48.5	43.5
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)