

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: P730966

Luminaire Tested: **HBLED-LD5-36HE-W-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-W-CLI-UNV-L750
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36050.0 lumens
Efficiency: N/A
Efficacy: 171.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

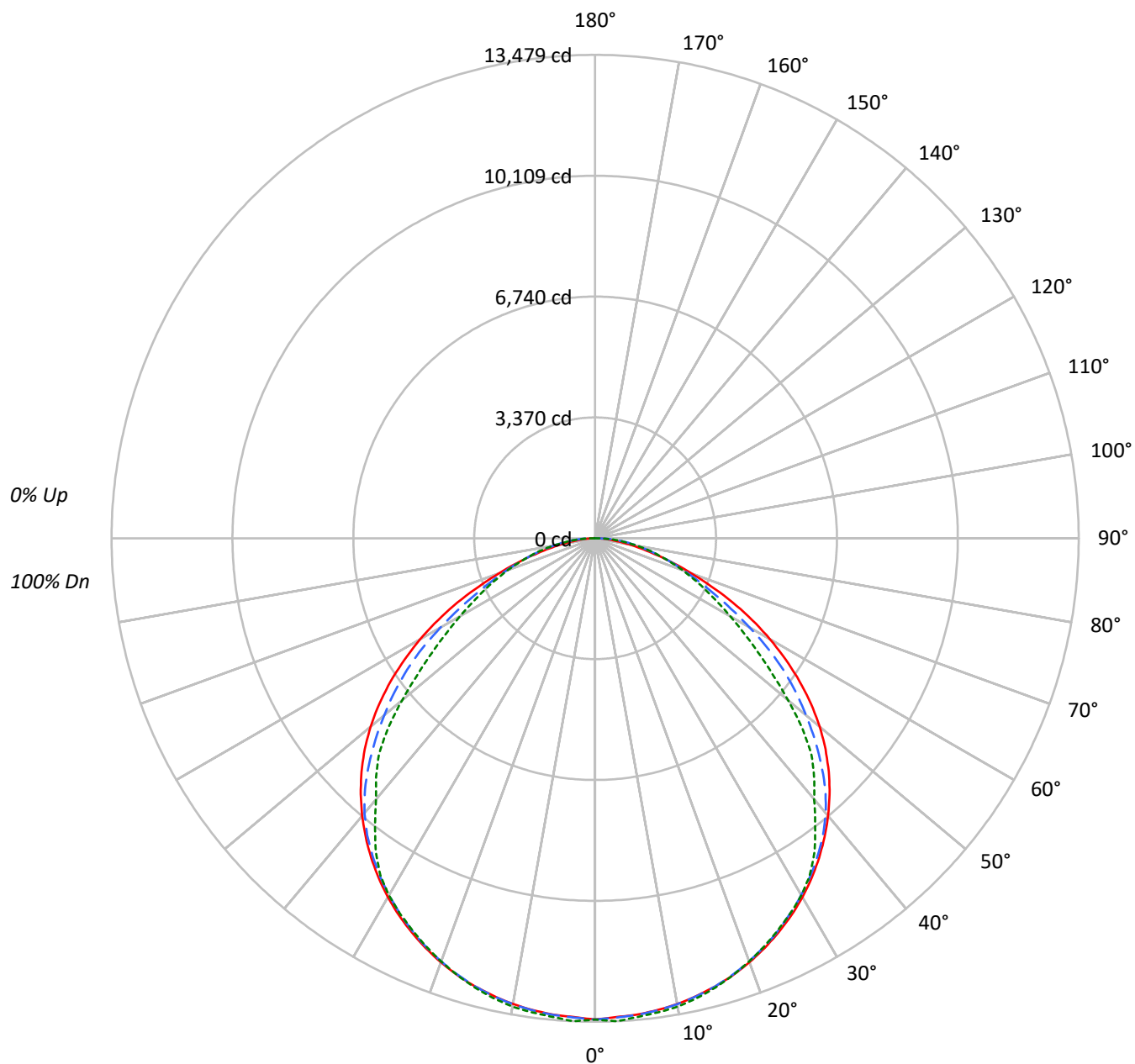
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21664	21664	21664
5°	21606	21622	21719
10°	21618	21629	21743
15°	21621	21618	21670
20°	21616	21566	21571
25°	21583	21502	21477
30°	21547	21418	21431
35°	21447	21314	21012
40°	21294	21077	20014
45°	21024	20351	19460
50°	20518	19267	17625
55°	19584	18020	15585
60°	18174	16078	14054
65°	16154	13920	12924
70°	13406	12441	12182
75°	10843	11385	11526
80°	8613	10889	10844
85°	6743	11699	11160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1272.5	3.5
10°-20°	3660.2	10.2
20°-30°	5581.2	15.5
30°-40°	6752.4	18.7
40°-50°	6839.6	19.0
50°-60°	5653.1	15.7
60°-70°	3733.7	10.4
70°-80°	1946.9	5.4
80°-90°	610.4	1.7
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°	10513.9	29.2
0°-40°	17266.3	47.9
0°-60°	29759.0	82.5
0°-90°	36050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13418	13418	13418	13418	13418	
5°	13331	13412	13341	13399	13400	###
15°	12935	13001	12933	12974	12964	3653
25°	12115	12163	12070	12100	12055	5586
35°	10881	10896	10813	10799	10660	6806
45°	9207	9183	8912	8636	8523	7090
55°	6957	6854	6401	5780	5536	6201
65°	4228	4106	3644	3407	3383	4176
75°	1738	1769	1825	1849	1848	1893
85°	364	469	632	627	602	442
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13417.9	13417.9	13417.9	13417.9	13417.9
2.5°	13361.7	13440.6	13374.5	13432.5	13479.2
5°	13331.0	13411.6	13340.7	13398.7	13400.3
7.5°	13271.5	13352.0	13279.4	13337.4	13335.8
10°	13186.0	13261.8	13192.5	13261.8	13261.8
12.5°	13070.1	13144.1	13076.6	13140.9	13131.2
15°	12934.8	13000.8	12933.2	12973.5	12963.8
17.5°	12775.3	12835.0	12759.2	12792.9	12773.7
20°	12580.4	12635.2	12551.5	12595.0	12554.5
22.5°	12361.2	12412.8	12327.5	12359.8	12314.5
25°	12114.9	12163.3	12069.8	12100.4	12055.3
27.5°	11849.1	11892.5	11787.8	11825.0	11789.4
30°	11557.5	11578.5	11488.3	11536.6	11494.8
32.5°	11232.1	11245.1	11166.0	11209.5	11138.7
35°	10880.9	10895.5	10813.4	10798.8	10660.3
37.5°	10505.7	10512.1	10434.9	10304.3	10075.6
40°	10103.1	10099.8	9999.9	9698.7	9495.7
42.5°	9672.8	9671.4	9495.7	9152.5	9036.7
45°	9207.3	9183.3	8912.5	8635.5	8522.7
47.5°	8708.1	8682.2	8303.7	8083.1	7826.9
50°	8168.4	8123.3	7670.6	7369.4	7016.7
52.5°	7586.9	7517.6	7056.9	6570.5	6237.0
55°	6957.1	6853.9	6401.4	5779.6	5536.4
57.5°	6301.5	6148.5	5708.7	5103.1	4904.9
60°	5628.2	5457.4	4979.0	4481.3	4352.3
62.5°	4935.5	4766.4	4278.3	3903.0	3832.1
65°	4228.4	4105.9	3643.6	3406.8	3382.8
67.5°	3503.5	3460.0	3107.2	2986.5	2976.8
70°	2839.9	2831.8	2635.3	2574.0	2580.5
72.5°	2269.7	2260.0	2231.0	2200.3	2202.0
75°	1738.1	1768.6	1825.0	1849.1	1847.7
77.5°	1296.7	1359.6	1478.7	1527.0	1518.9
80°	926.3	1019.7	1171.1	1216.2	1166.3
82.5°	616.9	715.2	893.9	900.4	860.2
85°	364.0	468.7	631.5	626.6	602.4
87.5°	180.4	281.9	378.5	362.4	346.4
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)