

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: P730949

Luminaire Tested: **HBLED-LD5-36HE-N-CLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-N-CLI-UNV-L835
Description: 36000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31326.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

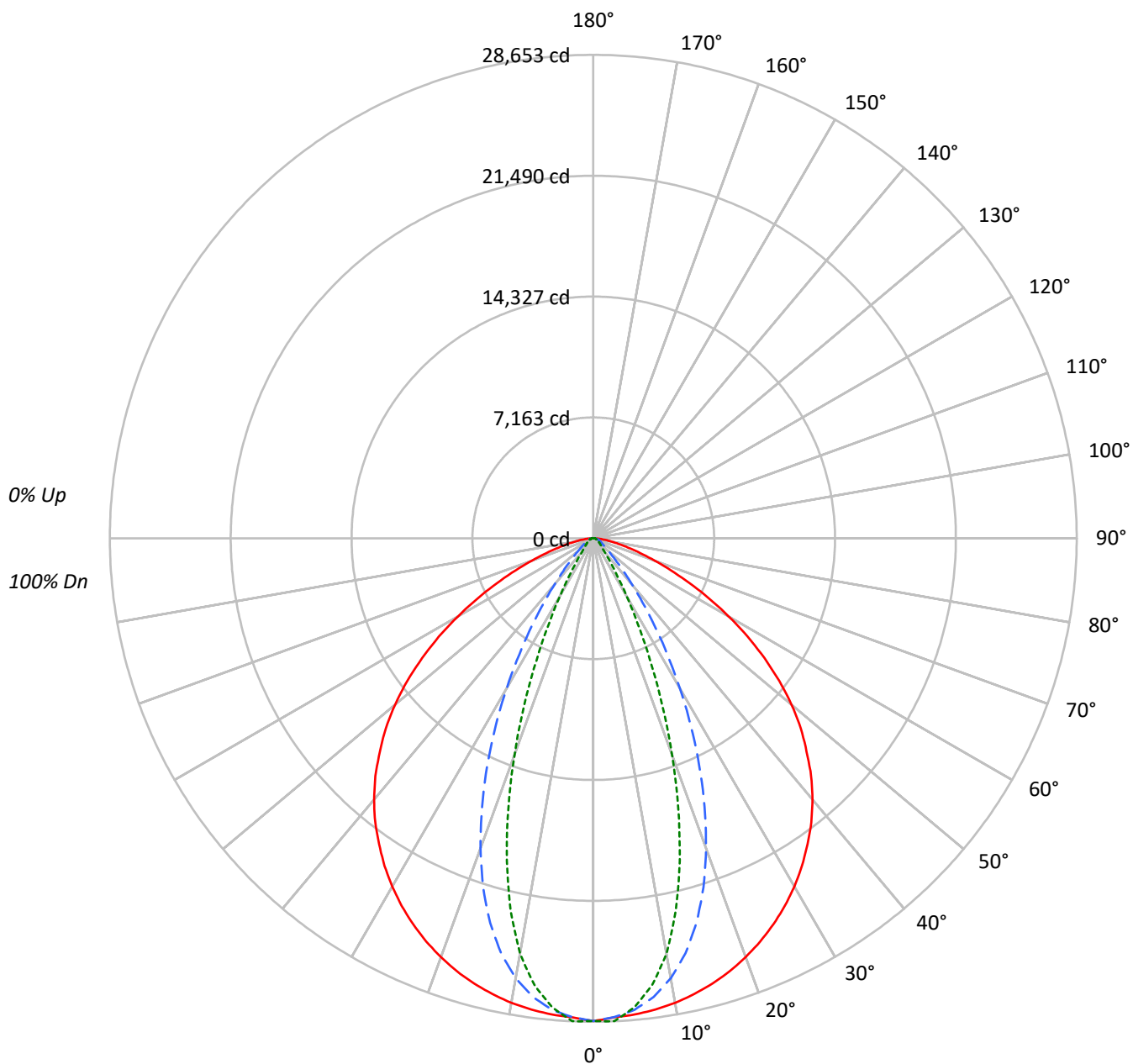
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	63	84	75	68	63	73	67	62		71	66	62		69
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65
7	76	65	58	53	75	64	58	53	63	57	52		62	56	52		60
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46200	46200	46200
5°	45922	45465	45226
10°	45845	43406	40960
15°	45661	39456	33080
20°	45387	33573	23446
25°	44981	26473	14166
30°	44434	19107	7280
35°	43632	12491	3636
40°	42597	7503	2122
45°	40828	4481	1586
50°	38508	2930	1332
55°	34852	2223	1163
60°	29950	1893	1061
65°	24091	1727	1002
70°	18149	1850	996
75°	13350	1759	1024
80°	9767	1751	1121
85°	7316	2123	1451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2635.2	8.4
10°-20°	6555.8	20.9
20°-30°	7261.5	23.2
30°-40°	5817.8	18.6
40°-50°	4153.1	13.3
50°-60°	2667.6	8.5
60°-70°	1445.7	4.6
70°-80°	617.9	2.0
80°-90°	171.4	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°	16452.5	52.5
0°-40°	22270.3	71.1
0°-60°	29091.1	92.9
0°-90°	31326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31326.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28614	28614	28614	28614	28614	
5°	28334	28439	28052	27963	27904	###
15°	27316	26462	23604	20860	19790	7707
25°	25249	22263	14860	9682	7952	11632
35°	22136	16012	6337	2556	1845	13841
45°	17880	9243	1962	835	695	13782
55°	12381	4132	790	485	413	11034
65°	6306	1697	452	312	262	6315
75°	2140	621	282	196	164	2378
85°	395	164	115	95	78	482
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28614.0	28614.0	28614.0	28614.0	28614.0
2.5°	28425.6	28603.5	28412.0	28531.1	28653.1
5°	28333.7	28439.3	28051.8	27962.9	27904.2
7.5°	28173.9	28143.8	27415.9	26944.2	26716.5
10°	27962.9	27718.7	26475.4	25438.6	24983.4
12.5°	27661.5	27158.2	25201.9	23381.3	22609.7
15°	27316.4	26461.9	23604.4	20860.0	19789.9
17.5°	26903.4	25648.0	21694.8	18156.2	16744.0
20°	26415.1	24665.4	19539.7	15283.6	13645.4
22.5°	25869.6	23532.1	17232.3	12420.1	10662.9
25°	25248.7	22263.0	14860.2	9681.7	7951.5
27.5°	24578.1	20854.0	12501.5	7234.1	5656.1
30°	23833.4	19328.7	10248.3	5216.2	3905.0
32.5°	23021.1	17707.1	8155.1	3668.3	2670.6
35°	22136.5	16011.6	6337.3	2556.0	1844.7
37.5°	21230.7	14281.4	4786.6	1807.0	1323.3
40°	20210.3	12557.2	3559.8	1323.3	1006.7
42.5°	19114.7	10866.3	2634.5	1018.7	815.3
45°	17880.4	9243.1	1962.3	835.0	694.8
47.5°	16683.8	7730.0	1490.5	711.3	604.3
50°	15330.4	6364.6	1166.5	621.0	530.4
52.5°	13894.1	5163.4	946.4	547.1	467.2
55°	12380.9	4132.5	789.6	485.3	413.0
57.5°	10848.2	3273.4	675.2	432.5	367.8
60°	9274.8	2617.8	586.3	387.3	328.5
62.5°	7739.1	2093.4	512.4	348.1	293.9
65°	6305.8	1696.9	452.1	312.0	262.2
67.5°	4980.9	1341.3	422.0	280.3	236.7
70°	3844.6	1044.4	391.9	250.2	211.0
72.5°	2913.2	801.9	346.7	223.1	186.9
75°	2140.0	621.0	281.9	195.9	164.2
77.5°	1531.3	477.8	229.1	170.3	141.7
80°	1050.4	355.7	188.3	146.2	120.6
82.5°	682.8	251.7	152.2	120.6	99.4
85°	394.9	164.2	114.6	95.0	78.3
87.5°	170.3	90.4	78.3	70.9	60.2
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)