

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: P730976

Luminaire Tested: **HBLED-LD5-36HE-W-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-W-UNV-L735
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36779.0 lumens
Efficiency: N/A
Efficacy: 175.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

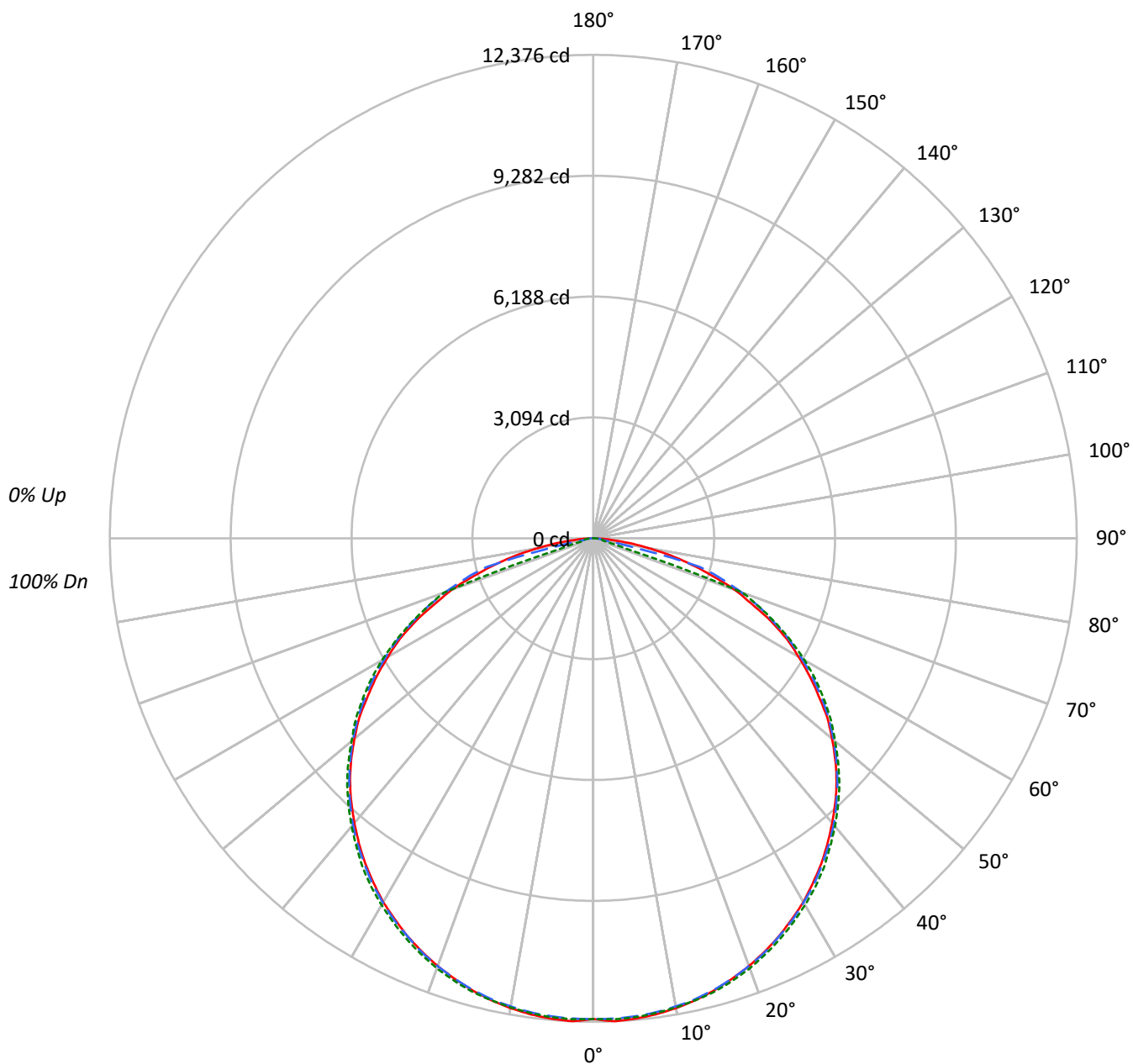
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19871	19871	19871
5°	20014	19912	19947
10°	20025	19953	19993
15°	20022	19995	20086
20°	20021	20025	20129
25°	20030	20040	20162
30°	20052	20078	20211
35°	20049	20114	20281
40°	20052	20179	20289
45°	20108	20183	20346
50°	20047	20164	20295
55°	19827	20104	20321
60°	19601	19920	20168
65°	19168	19566	19713
70°	18197	18974	19207
75°	16231	17599	2121
80°	13052	2192	2320
85°	8685	2844	2896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1168.9	3.2
10°-20°	3377.6	9.2
20°-30°	5189.5	14.1
30°-40°	6388.4	17.4
40°-50°	6810.7	18.5
50°-60°	6366.7	17.3
60°-70°	5040.0	13.7
70°-80°	2144.3	5.8
80°-90°	292.8	0.8
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°	9736.0	26.5
0°-40°	16124.5	43.8
0°-60°	29301.9	79.7
0°-90°	36779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12307	12307	12307	12307	12307	
5°	12348	12294	12285	12236	12307	###
15°	11978	11956	11962	11929	12017	3382
25°	11244	11230	11249	11244	11318	5184
35°	10172	10155	10204	10240	10289	6365
45°	8806	8757	8839	8875	8910	6785
55°	7043	7065	7142	7167	7219	6307
65°	5017	5061	5121	5160	5160	4936
75°	2602	2714	2821	461	340	2753
85°	469	140	154	159	156	611
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12307.3	12307.3	12307.3	12307.3	12307.3
2.5°	12375.8	12318.3	12307.3	12258.0	12323.8
5°	12348.4	12293.6	12285.4	12236.0	12307.3
7.5°	12290.9	12247.0	12241.5	12189.4	12260.7
10°	12214.1	12173.0	12170.2	12123.6	12194.9
12.5°	12109.9	12074.3	12085.2	12038.6	12109.9
15°	11978.3	11956.4	11961.9	11929.0	12016.7
17.5°	11819.3	11808.3	11819.3	11794.6	11874.1
20°	11652.0	11638.3	11654.8	11641.1	11715.1
22.5°	11457.4	11440.9	11473.8	11454.6	11523.2
25°	11243.5	11229.8	11249.0	11243.5	11317.6
27.5°	10999.5	10985.8	11027.0	11029.7	11087.3
30°	10755.5	10736.3	10769.2	10782.9	10840.5
32.5°	10464.9	10459.4	10508.8	10519.7	10580.1
35°	10171.6	10155.1	10204.5	10240.1	10289.4
37.5°	9850.8	9848.0	9900.1	9930.3	9955.0
40°	9513.6	9499.8	9573.9	9604.0	9626.0
42.5°	9170.8	9140.7	9212.0	9250.4	9275.0
45°	8806.2	8756.9	8839.1	8874.7	8910.4
47.5°	8405.9	8362.1	8441.6	8479.9	8504.6
50°	7981.0	7939.8	8027.6	8060.5	8079.7
52.5°	7553.3	7512.1	7605.4	7632.8	7679.4
55°	7043.3	7065.3	7142.0	7166.7	7218.8
57.5°	6571.8	6590.9	6665.0	6695.1	6755.4
60°	6070.0	6100.2	6168.7	6198.9	6245.5
62.5°	5584.8	5587.5	5669.7	5683.5	5719.1
65°	5017.2	5061.1	5121.4	5159.8	5159.8
67.5°	4383.9	4490.8	4595.0	4586.8	4608.7
70°	3854.8	3895.9	4019.3	4038.5	4068.6
72.5°	3191.3	3298.2	3435.3	2566.2	871.8
75°	2601.8	2714.2	2821.2	460.6	340.0
77.5°	2020.6	2108.3	937.6	263.2	257.7
80°	1403.7	1543.6	235.8	241.3	249.5
82.5°	923.9	754.0	194.7	213.8	216.6
85°	468.8	139.8	153.5	159.0	156.3
87.5°	153.5	85.0	87.7	90.5	93.2
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)