

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: P730979

Luminaire Tested: **HBLED-LD5-36HE-W-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730979
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-L835
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35158.0 lumens
Efficiency: N/A
Efficacy: 167.4 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

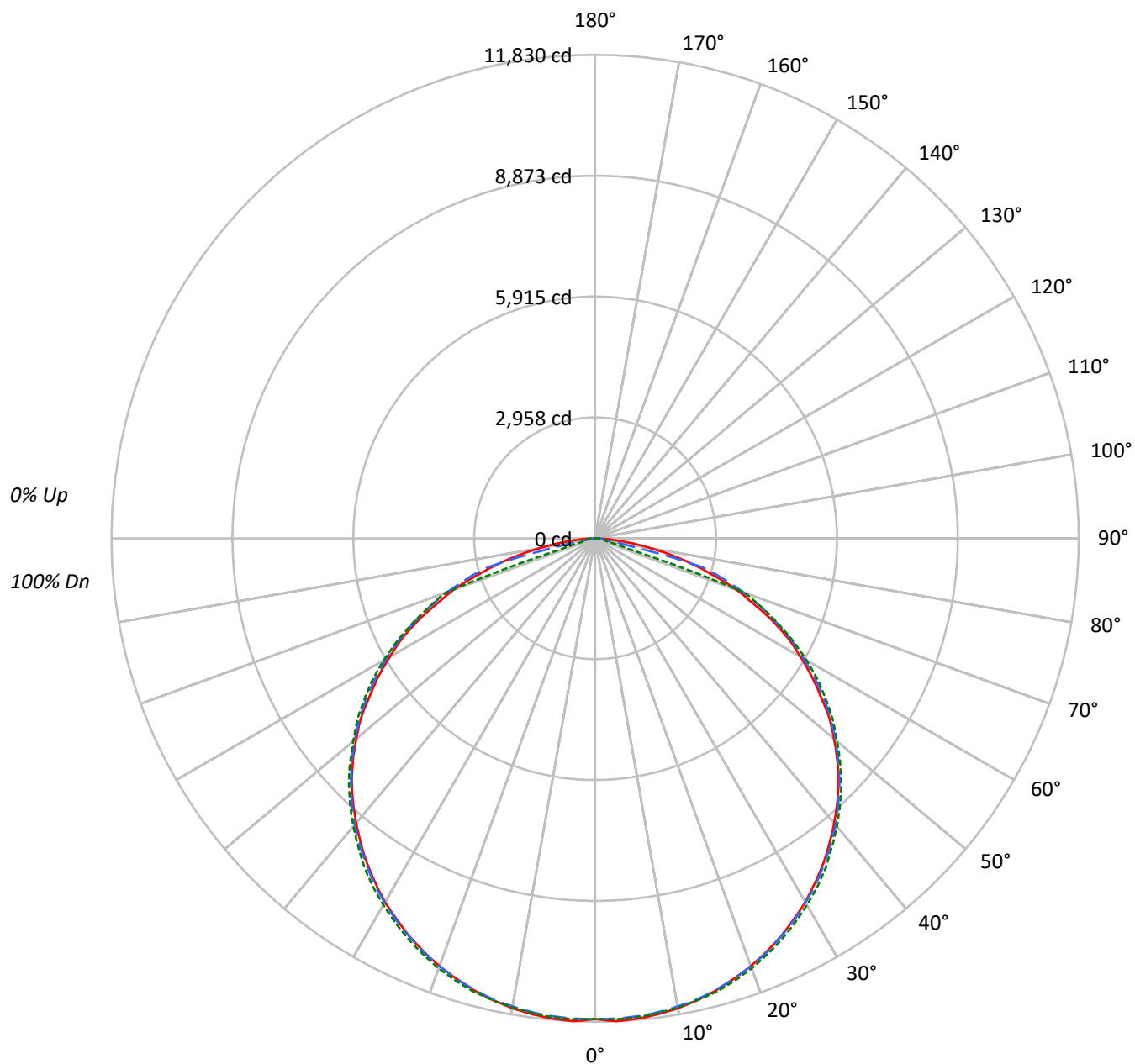
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18995	18995	18995
5°	19132	19034	19068
10°	19142	19074	19112
15°	19140	19113	19201
20°	19138	19143	19242
25°	19148	19157	19274
30°	19168	19193	19320
35°	19165	19227	19387
40°	19168	19289	19394
45°	19222	19293	19449
50°	19163	19275	19401
55°	18953	19218	19425
60°	18737	19042	19279
65°	18323	18704	18844
70°	17395	18138	18360
75°	15516	16823	2027
80°	12477	2096	2218
85°	8303	2720	2768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1117.4	3.2
10°-20°	3228.8	9.2
20°-30°	4960.8	14.1
30°-40°	6106.9	17.4
40°-50°	6510.6	18.5
50°-60°	6086.1	17.3
60°-70°	4817.9	13.7
70°-80°	2049.8	5.8
80°-90°	279.9	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°	9306.9	26.5
0°-40°	15413.8	43.8
0°-60°	28010.4	79.7
0°-90°	35158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11765	11765	11765	11765	11765	
5°	11804	11752	11744	11697	11765	###
15°	11450	11429	11435	11403	11487	3233
25°	10748	10735	10753	10748	10819	4955
35°	9723	9708	9755	9789	9836	6084
45°	8418	8371	8450	8484	8518	6486
55°	6733	6754	6827	6851	6901	6029
65°	4796	4838	4896	4932	4932	4718
75°	2487	2595	2697	440	325	2631
85°	448	134	147	152	149	584
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11764.9	11764.9	11764.9	11764.9	11764.9
2.5°	11830.4	11775.4	11764.9	11717.7	11780.6
5°	11804.2	11751.8	11743.9	11696.7	11764.9
7.5°	11749.1	11707.2	11702.0	11652.2	11720.3
10°	11675.8	11636.5	11633.8	11589.3	11657.4
12.5°	11576.2	11542.1	11552.6	11508.0	11576.2
15°	11450.4	11429.4	11434.6	11403.2	11487.1
17.5°	11298.4	11287.9	11298.4	11274.8	11350.8
20°	11138.5	11125.4	11141.1	11128.0	11198.8
22.5°	10952.4	10936.7	10968.1	10949.8	11015.3
25°	10748.0	10734.9	10753.2	10748.0	10818.8
27.5°	10514.7	10501.6	10540.9	10543.6	10598.6
30°	10281.5	10263.1	10294.6	10307.7	10362.7
32.5°	10003.7	9998.4	10045.6	10056.1	10113.8
35°	9723.3	9707.5	9754.7	9788.8	9835.9
37.5°	9416.6	9414.0	9463.8	9492.6	9516.2
40°	9094.3	9081.1	9151.9	9180.7	9201.7
42.5°	8766.7	8737.8	8806.0	8842.7	8866.2
45°	8418.1	8370.9	8449.5	8483.6	8517.7
47.5°	8035.4	7993.5	8069.5	8106.2	8129.8
50°	7629.2	7589.9	7673.8	7705.2	7723.6
52.5°	7220.4	7181.1	7270.2	7296.4	7340.9
55°	6732.9	6753.9	6827.2	6850.8	6900.6
57.5°	6282.1	6300.5	6371.2	6400.0	6457.7
60°	5802.5	5831.3	5896.9	5925.7	5970.2
62.5°	5338.6	5341.2	5419.9	5433.0	5467.0
65°	4796.1	4838.0	4895.7	4932.4	4932.4
67.5°	4190.7	4292.9	4392.5	4384.6	4405.6
70°	3684.9	3724.2	3842.1	3860.5	3889.3
72.5°	3050.6	3152.8	3283.9	2453.1	833.4
75°	2487.2	2594.6	2696.8	440.3	325.0
77.5°	1931.5	2015.4	896.3	251.6	246.4
80°	1341.9	1475.5	225.4	230.6	238.5
82.5°	883.2	720.7	186.1	204.4	207.0
85°	448.2	133.7	146.8	152.0	149.4
87.5°	146.8	81.2	83.9	86.5	89.1
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)