

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: P730978

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730978
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-L750
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38805.0 lumens
Efficiency: N/A
Efficacy: 184.8 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

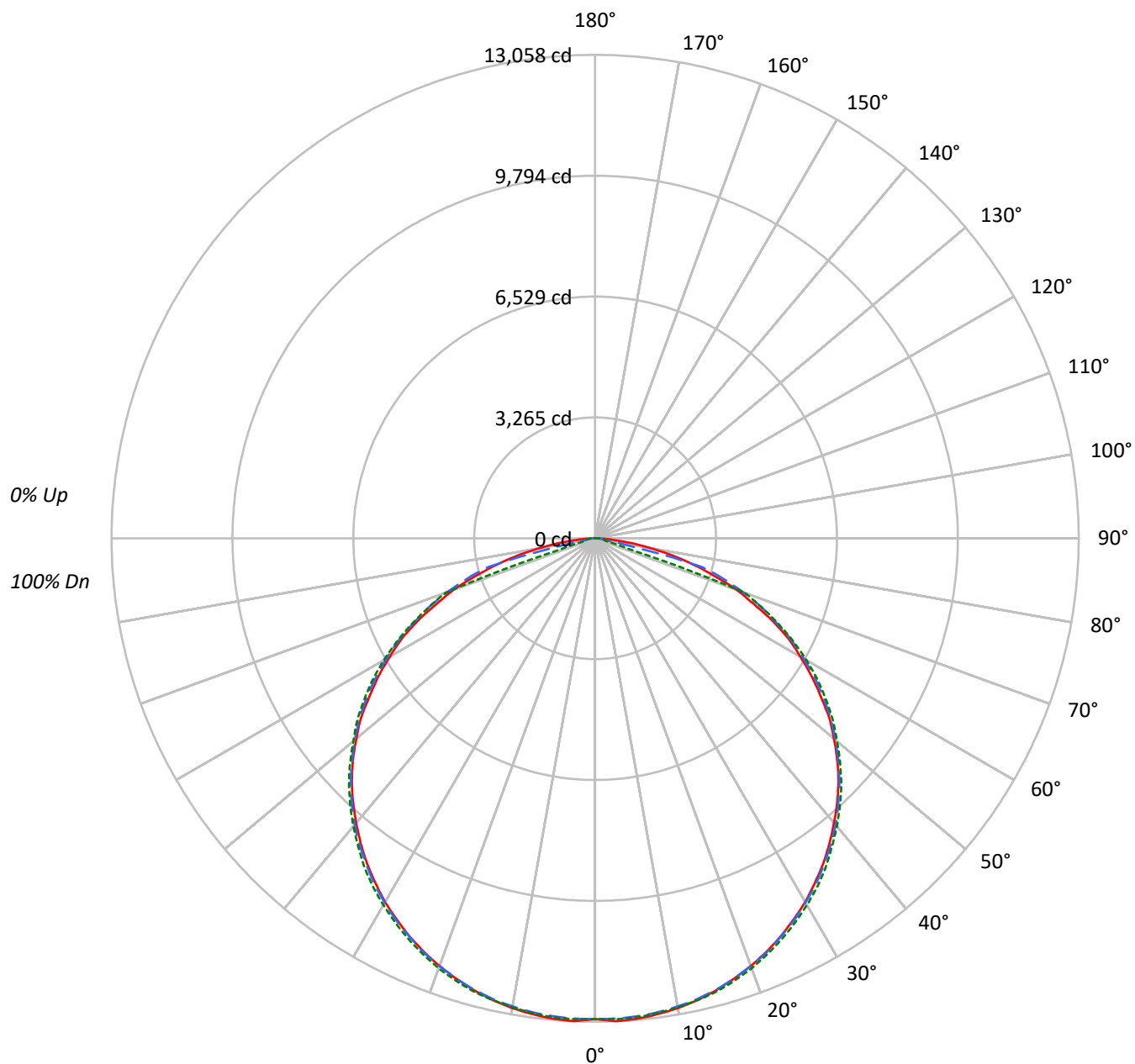
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20966	20966	20966
5°	21116	21008	21046
10°	21128	21052	21095
15°	21125	21096	21193
20°	21123	21128	21238
25°	21134	21144	21273
30°	21157	21184	21324
35°	21153	21221	21398
40°	21156	21290	21406
45°	21215	21295	21466
50°	21151	21275	21413
55°	20919	21212	21440
60°	20681	21017	21279
65°	20224	20644	20798
70°	19200	20019	20265
75°	17125	18569	2238
80°	13771	2313	2447
85°	9163	3001	3055



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1233.3	3.2
10°-20°	3563.7	9.2
20°-30°	5475.4	14.1
30°-40°	6740.4	17.4
40°-50°	7185.9	18.5
50°-60°	6717.4	17.3
60°-70°	5317.6	13.7
70°-80°	2262.4	5.8
80°-90°	308.9	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°	10272.4	26.5
0°-40°	17012.7	43.8
0°-60°	30916.0	79.7
0°-90°	38805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12985	12985	12985	12985	12985	
5°	13029	12971	12962	12910	12985	###
15°	12638	12615	12621	12586	12679	3568
25°	11863	11848	11869	11863	11941	5469
35°	10732	10714	10767	10804	10856	6715
45°	9291	9239	9326	9364	9401	7159
55°	7431	7454	7535	7562	7616	6654
65°	5294	5340	5404	5444	5444	5208
75°	2745	2864	2977	486	359	2904
85°	495	148	162	168	165	645
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12985.3	12985.3	12985.3	12985.3	12985.3
2.5°	13057.6	12996.8	12985.3	12933.2	13002.6
5°	13028.7	12970.8	12962.1	12910.1	12985.3
7.5°	12967.9	12921.6	12915.8	12860.9	12936.1
10°	12886.9	12843.5	12840.6	12791.5	12866.7
12.5°	12777.0	12739.4	12751.0	12701.8	12777.0
15°	12638.1	12615.0	12620.8	12586.1	12678.6
17.5°	12470.4	12458.8	12470.4	12444.3	12528.2
20°	12293.9	12279.4	12296.8	12282.3	12360.4
22.5°	12088.5	12071.2	12105.9	12085.6	12158.0
25°	11862.9	11848.4	11868.7	11862.9	11941.0
27.5°	11605.5	11591.0	11634.4	11637.3	11698.0
30°	11348.0	11327.8	11362.5	11376.9	11437.7
32.5°	11041.4	11035.6	11087.7	11099.2	11162.9
35°	10731.9	10714.5	10766.6	10804.2	10856.2
37.5°	10393.4	10390.5	10445.5	10477.3	10503.3
40°	10037.6	10023.2	10101.3	10133.1	10156.2
42.5°	9676.0	9644.2	9719.4	9759.9	9786.0
45°	9291.3	9239.2	9326.0	9363.6	9401.2
47.5°	8869.0	8822.7	8906.6	8947.1	8973.1
50°	8420.6	8377.2	8469.8	8504.5	8524.7
52.5°	7969.3	7926.0	8024.3	8053.2	8102.4
55°	7431.3	7454.4	7535.4	7561.5	7616.4
57.5°	6933.8	6954.0	7032.1	7063.9	7127.6
60°	6404.4	6436.2	6508.5	6540.4	6589.5
62.5°	5892.4	5895.3	5982.1	5996.5	6034.1
65°	5293.6	5339.9	5403.5	5444.0	5444.0
67.5°	4625.4	4738.2	4848.1	4839.5	4862.6
70°	4067.1	4110.5	4240.7	4260.9	4292.7
72.5°	3367.1	3479.9	3624.5	2707.6	919.9
75°	2745.2	2863.8	2976.6	486.0	358.7
77.5°	2131.9	2224.5	989.3	277.7	271.9
80°	1481.1	1628.6	248.8	254.6	263.2
82.5°	974.8	795.5	205.4	225.6	228.5
85°	494.6	147.5	162.0	167.8	164.9
87.5°	162.0	89.7	92.6	95.5	98.4
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)