

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: P731019

Luminaire Tested: **HBLED-LD5-36SE-W-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-UNV-L740
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34625.0 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

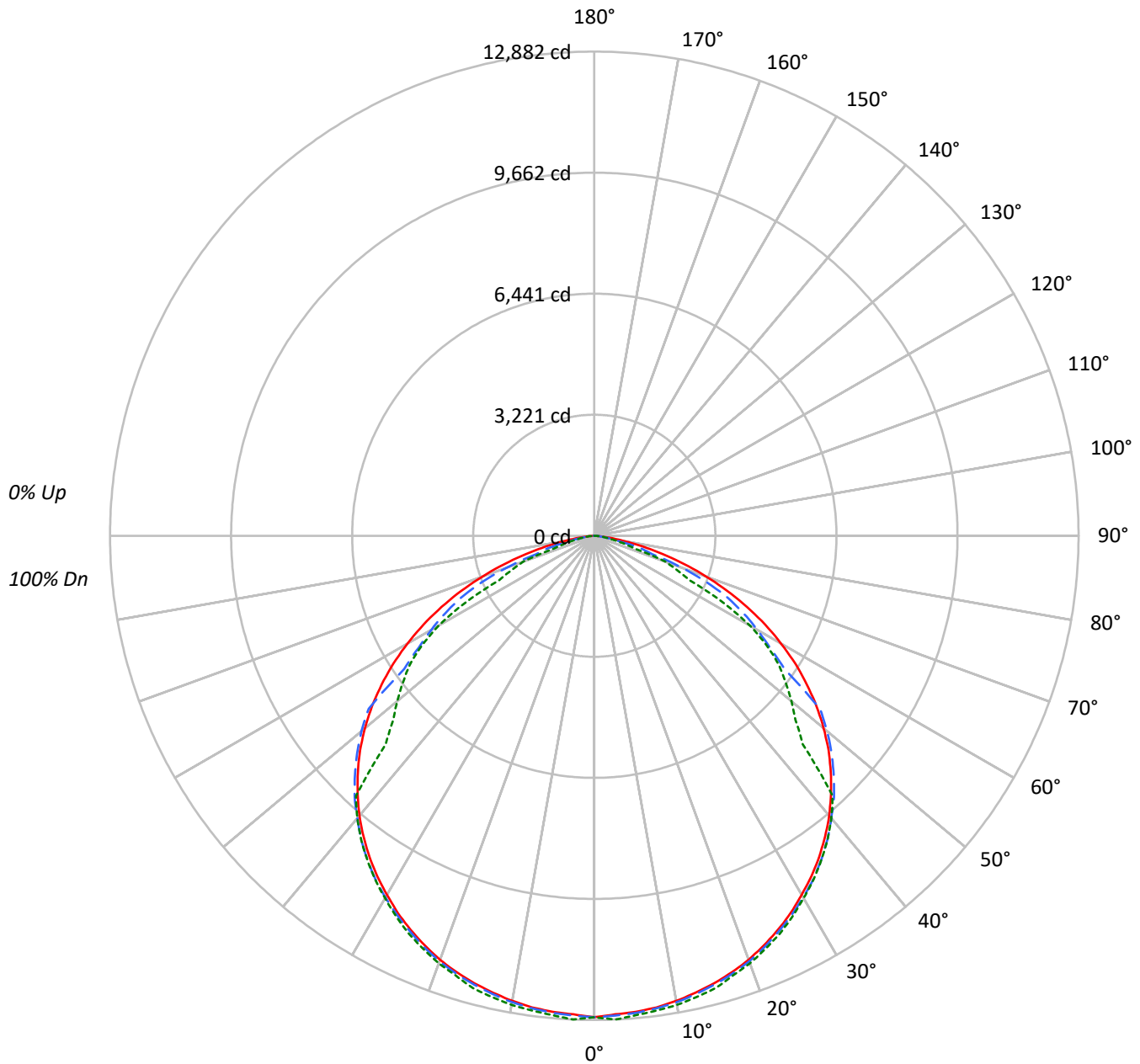
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20679	20679	20679
5°	20604	20649	20751
10°	20602	20661	20781
15°	20600	20663	20830
20°	20626	20704	20800
25°	20603	20680	20806
30°	20564	20715	20761
35°	20554	20742	20757
40°	20490	20671	20671
45°	20314	20560	17914
50°	20001	20302	17188
55°	19433	17379	16883
60°	18521	16155	15424
65°	17129	14996	10682
70°	14915	11669	9518
75°	11781	7832	5117
80°	7583	3741	3189
85°	3122	2284	2512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1214.9	3.5
10°-20°	3501.8	10.1
20°-30°	5368.8	15.5
30°-40°	6580.3	19.0
40°-50°	6765.1	19.5
50°-60°	5773.7	16.7
60°-70°	3817.1	11.0
70°-80°	1414.2	4.1
80°-90°	189.1	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°	10085.6	29.1
0°-40°	16665.9	48.1
0°-60°	29204.6	84.3
0°-90°	34625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12808	12808	12808	12808	12808	
5°	12713	12801	12741	12790	12803	###
15°	12324	12399	12362	12455	12462	3481
25°	11565	11626	11608	11713	11679	5332
35°	10428	10500	10523	10589	10531	6523
45°	8897	8985	9004	8990	7846	6856
55°	6904	7030	6174	5994	5998	6160
65°	4483	4521	3925	3228	2796	4421
75°	1888	1654	1255	844	820	2026
85°	168	120	123	134	136	279
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12807.7	12807.7	12807.7	12807.7	12807.7
2.5°	12745.2	12824.9	12777.9	12837.2	12882.4
5°	12712.6	12801.4	12740.6	12790.4	12803.0
7.5°	12656.4	12739.0	12682.8	12748.4	12739.0
10°	12566.0	12640.8	12601.8	12670.5	12675.0
12.5°	12450.6	12525.3	12489.5	12573.7	12572.1
15°	12324.2	12399.1	12361.6	12455.3	12461.5
17.5°	12176.1	12244.7	12216.6	12302.4	12268.0
20°	12004.5	12063.8	12049.7	12130.9	12105.8
22.5°	11793.9	11854.8	11840.9	11934.4	11896.9
25°	11564.8	11625.6	11608.4	11712.9	11678.7
27.5°	11316.9	11374.4	11372.9	11471.3	11418.2
30°	11029.9	11106.4	11111.1	11198.3	11135.9
32.5°	10746.1	10817.8	10838.1	10902.1	10849.1
35°	10428.0	10499.6	10523.1	10588.6	10530.9
37.5°	10084.8	10145.7	10187.8	10236.1	10190.9
40°	9721.5	9776.1	9807.4	9866.5	9807.4
42.5°	9316.1	9394.1	9437.8	9479.8	9383.2
45°	8896.6	8985.4	9004.2	8990.1	7845.5
47.5°	8452.2	8548.9	8559.8	7465.1	7254.6
50°	7962.5	8084.2	8082.6	6898.9	6842.9
52.5°	7452.6	7569.6	7564.9	6456.1	6418.7
55°	6903.6	7029.9	6173.7	5994.5	5997.6
57.5°	6343.8	6434.2	5539.2	5546.8	5443.9
60°	5735.6	5821.3	5002.7	4954.4	4776.5
62.5°	5125.9	5161.8	4483.4	4247.8	3909.5
65°	4483.4	4520.8	3925.2	3228.0	2796.0
67.5°	3823.8	3861.2	3257.6	2401.6	2368.7
70°	3159.4	2853.7	2471.8	2000.8	2016.3
72.5°	2504.5	2192.6	1615.6	1550.0	1119.6
75°	1888.5	1654.5	1255.4	843.7	820.2
77.5°	1314.6	1139.9	672.1	575.4	538.1
80°	815.5	572.3	402.3	357.1	343.0
82.5°	413.2	329.1	218.4	218.4	218.4
85°	168.5	120.1	123.3	134.0	135.6
87.5°	35.8	48.3	59.3	60.8	59.3
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)