

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: P731049

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-WG-UNV-L740
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36354.0 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

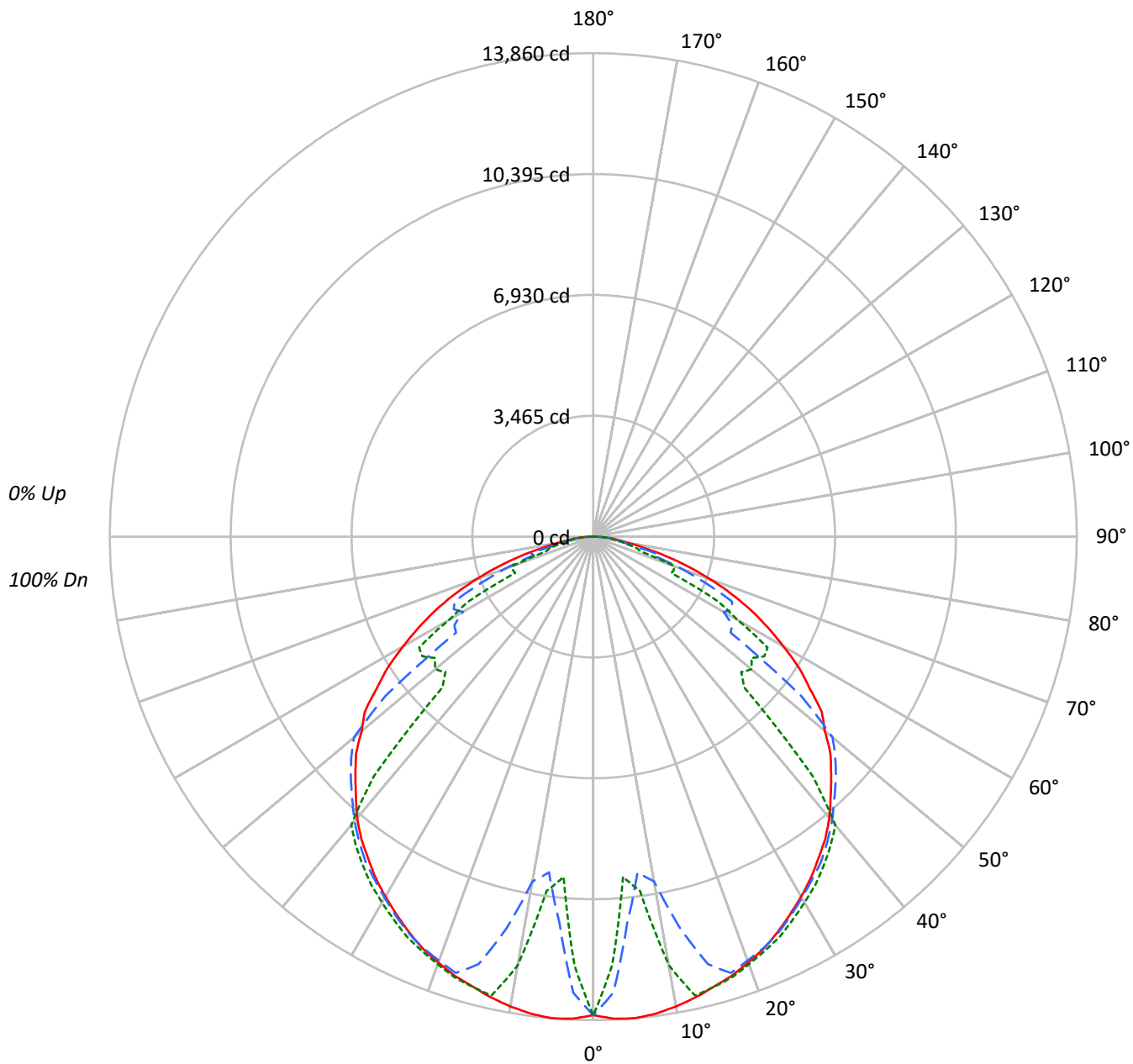
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22156	22156	22156
5°	22464	18047	15871
10°	22425	16459	20470
15°	22326	21213	22345
20°	22326	22225	22422
25°	22286	22336	22541
30°	22222	22295	22582
35°	22187	22432	22694
40°	22189	22431	22753
45°	22015	22446	13949
50°	21766	22491	14867
55°	21307	13524	16850
60°	20326	13940	15429
65°	19045	16738	9441
70°	16817	12680	11572
75°	13399	11526	8026
80°	9231	8330	6896
85°	8844	7690	7295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1097.3	3.0
10°-20°	3437.7	9.5
20°-30°	5655.8	15.6
30°-40°	7111.4	19.6
40°-50°	6974.5	19.2
50°-60°	5778.7	15.9
60°-70°	4075.9	11.2
70°-80°	1778.3	4.9
80°-90°	444.3	1.2
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°	10190.8	28.0
0°-40°	17302.3	47.6
0°-60°	30055.5	82.7
0°-90°	36354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13722	13722	13722	13722	13722	
5°	13860	12900	11135	10096	9793	###
15°	13356	9276	12690	13409	13368	3777
25°	12510	11447	12538	12622	12653	5766
35°	11256	11250	11381	11456	11514	7052
45°	9642	9671	9830	8706	6109	7442
55°	7569	7817	4804	5462	5986	6772
65°	4985	5279	4381	3370	2471	4901
75°	2148	2105	1848	1208	1286	2303
85°	477	425	415	397	394	495
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13722.5	13722.5	13722.5	13722.5	13722.5
2.5°	13835.7	13548.5	13092.4	12518.0	12314.7
5°	13860.3	12900.3	11134.8	10096.2	9792.6
7.5°	13789.8	11723.9	9707.3	9925.4	10247.1
10°	13678.2	10690.2	10038.8	11810.8	12485.3
12.5°	13535.4	9771.3	11500.7	13341.8	13476.2
15°	13356.5	9275.8	12690.4	13409.1	13368.0
17.5°	13205.6	9566.2	13117.0	13274.5	13244.9
20°	12993.9	10145.4	12934.9	13061.2	13049.7
22.5°	12780.6	10831.2	12762.5	12852.8	12852.8
25°	12509.9	11446.6	12537.7	12621.5	12652.7
27.5°	12212.8	11800.9	12257.1	12326.0	12381.8
30°	11919.1	11851.9	11958.6	12047.2	12112.7
32.5°	11609.1	11582.8	11666.5	11760.0	11843.6
35°	11256.2	11249.6	11380.9	11456.4	11513.9
37.5°	10924.7	10901.9	11023.2	11128.3	11172.6
40°	10527.7	10527.7	10642.5	10749.2	10795.2
42.5°	10074.8	10138.9	10227.5	10337.3	9310.2
45°	9641.6	9671.2	9830.3	8706.4	6108.9
47.5°	9224.8	9262.5	9413.6	5596.9	5749.6
50°	8665.3	8835.9	8954.1	5580.6	5918.6
52.5°	8256.8	8330.5	7516.7	5524.8	5715.1
55°	7569.3	7817.0	4804.3	5462.4	5985.8
57.5°	6981.9	7162.4	4724.1	5596.9	5921.8
60°	6294.4	6570.0	4317.0	5400.1	4778.1
62.5°	5634.7	5897.2	4507.4	4249.9	4046.3
65°	4984.9	5278.6	4381.1	3370.3	2471.1
67.5°	4272.7	3998.8	3495.0	2374.4	2499.1
70°	3562.3	2792.8	2686.1	2655.0	2451.4
72.5°	2832.1	2037.9	1783.6	1992.1	1425.9
75°	2147.9	2105.3	1847.7	1207.6	1286.5
77.5°	1489.8	1519.4	989.4	1178.1	977.9
80°	992.8	859.9	895.9	751.5	741.7
82.5°	687.5	702.2	589.0	571.0	579.3
85°	477.4	425.0	415.1	397.2	393.8
87.5°	159.1	185.5	172.4	155.9	165.8
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)