

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: P731027

Luminaire Tested: **HBLED-LD5-36SE-W-CL-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
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-WG-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31591.0 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

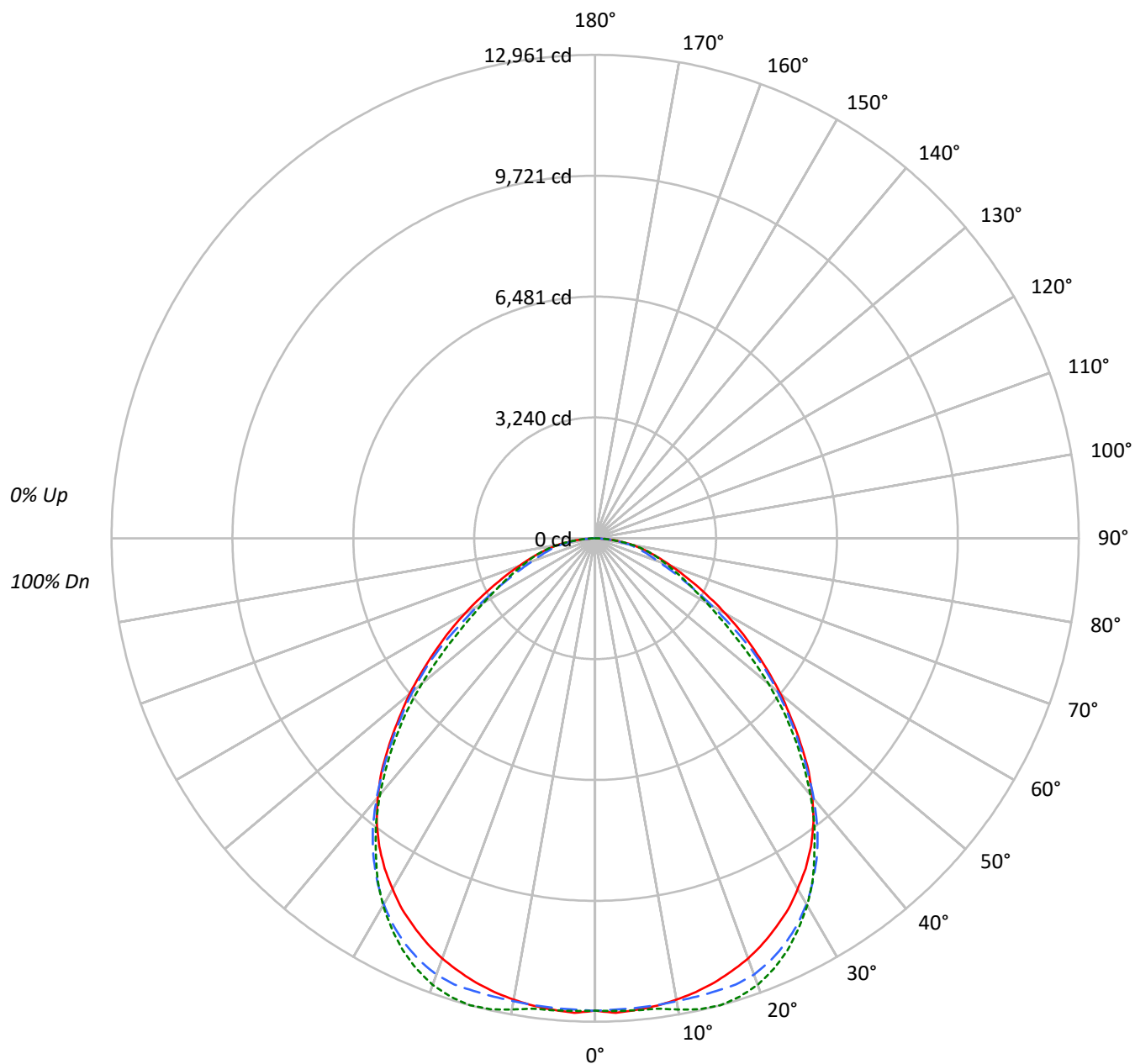
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20452	20452	20452
5°	20573	20488	20589
10°	20591	20660	21030
15°	20617	21004	21665
20°	20603	21389	21888
25°	20477	21408	21722
30°	20241	21125	21192
35°	19880	20440	20195
40°	19096	19213	18910
45°	17793	17606	17248
50°	16291	16028	15207
55°	14632	14090	12857
60°	12977	11658	11099
65°	11434	9686	10073
70°	10226	8406	9594
75°	9580	8173	9702
80°	9326	8263	9235
85°	7443	6538	6778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1206.7	3.8
10°-20°	3554.3	11.3
20°-30°	5467.9	17.3
30°-40°	6381.3	20.2
40°-50°	5930.0	18.8
50°-60°	4395.5	13.9
60°-70°	2687.1	8.5
70°-80°	1530.5	4.8
80°-90°	437.7	1.4
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°	10228.9	32.4
0°-40°	16610.2	52.6
0°-60°	26935.7	85.3
0°-90°	31591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12667	12667	12667	12667	12667	
5°	12693	12634	12641	12631	12703	###
15°	12334	12327	12566	12814	12961	3481
25°	11494	11582	12017	12118	12193	5295
35°	10086	10164	10370	10285	10246	6284
45°	7792	7838	7711	7590	7554	6004
55°	5198	5068	5006	4649	4568	4665
65°	2993	2718	2535	2604	2637	2995
75°	1536	1441	1310	1493	1555	1643
85°	402	392	353	366	366	463
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12667.1	12667.1	12667.1	12667.1	12667.1
2.5°	12735.7	12663.8	12650.7	12621.4	12686.6
5°	12693.3	12634.4	12640.9	12631.2	12703.1
7.5°	12644.2	12601.7	12627.9	12624.6	12719.4
10°	12559.3	12536.4	12601.7	12673.6	12827.2
12.5°	12464.5	12441.7	12585.4	12768.3	12935.0
15°	12333.9	12327.2	12565.8	12814.1	12961.1
17.5°	12170.5	12180.3	12542.9	12755.3	12885.9
20°	11990.8	12007.1	12448.2	12621.4	12739.0
22.5°	11758.8	11814.4	12265.2	12408.9	12500.4
25°	11494.1	11582.3	12016.9	12118.2	12193.3
27.5°	11209.9	11298.1	11709.7	11762.0	11804.6
30°	10857.0	10981.1	11330.7	11337.4	11366.7
32.5°	10497.6	10608.7	10876.6	10847.2	10853.7
35°	10086.0	10164.3	10370.2	10285.3	10246.0
37.5°	9612.2	9654.7	9785.3	9658.0	9651.4
40°	9060.0	9115.6	9115.6	8939.2	8971.8
42.5°	8472.0	8491.5	8409.9	8243.2	8269.3
45°	7792.3	7838.1	7710.6	7589.8	7553.9
47.5°	7119.3	7165.0	7031.1	6890.6	6828.6
50°	6485.5	6462.5	6381.0	6142.4	6054.2
52.5°	5828.7	5756.9	5724.2	5374.7	5273.3
55°	5198.1	5067.5	5005.5	4649.2	4567.5
57.5°	4613.3	4378.2	4260.5	3982.8	3950.1
60°	4018.8	3754.1	3610.3	3430.6	3437.1
62.5°	3479.7	3201.8	3028.8	2976.5	2999.3
65°	2992.8	2718.3	2535.4	2604.0	2636.6
67.5°	2551.7	2326.3	2120.5	2280.5	2313.1
70°	2166.2	1986.5	1780.7	2016.0	2032.3
72.5°	1845.9	1699.0	1525.8	1747.9	1783.9
75°	1535.6	1440.9	1310.1	1493.2	1555.2
77.5°	1264.4	1189.3	1114.1	1225.3	1293.8
80°	1003.0	927.9	888.7	947.4	993.2
82.5°	709.0	660.1	620.8	663.2	686.2
85°	401.8	392.0	352.9	365.9	365.9
87.5°	91.5	104.5	117.6	107.8	91.5
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)