

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: P731015

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-AI-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31413.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

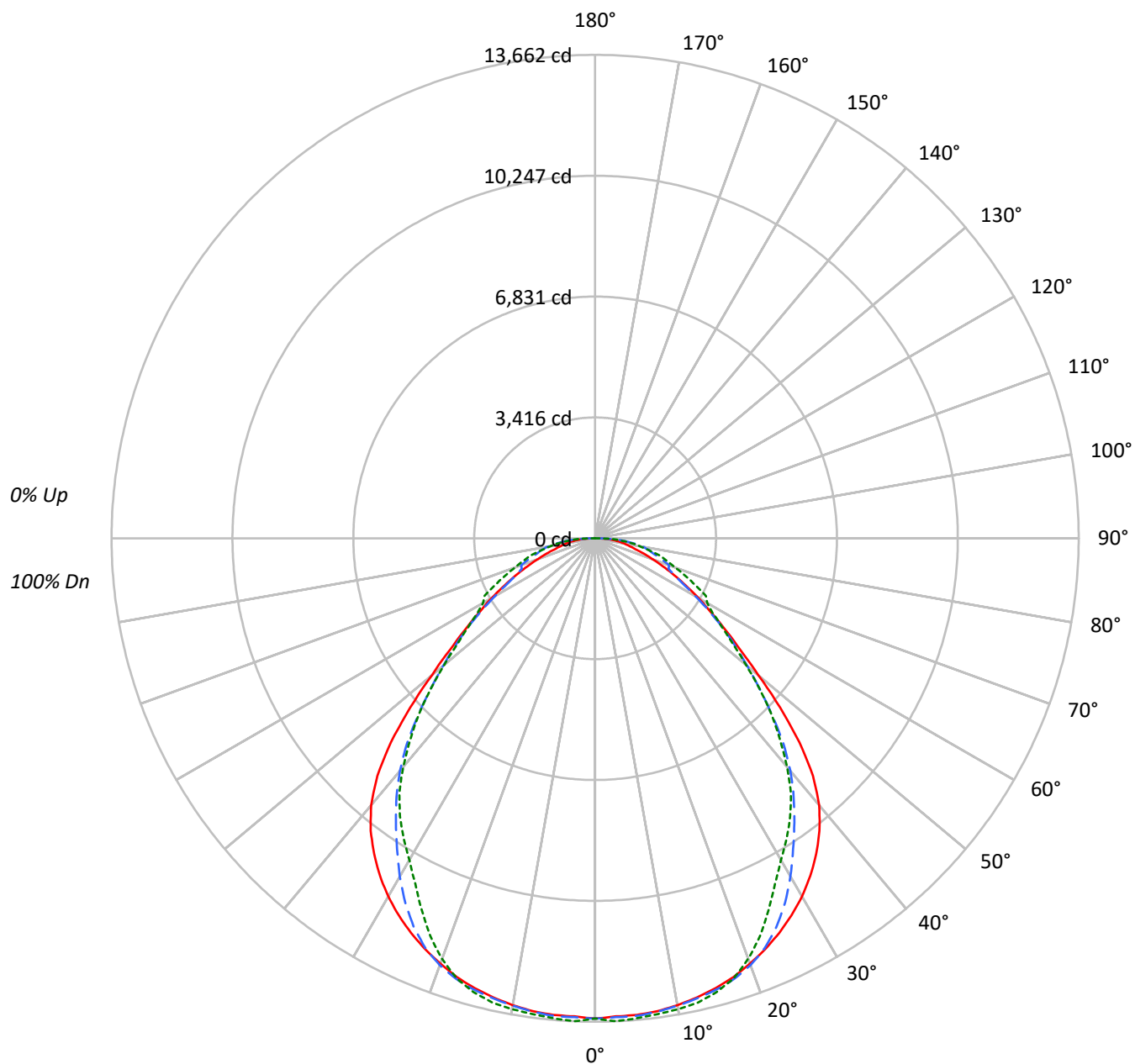
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21912	21912	21912
5°	21911	21958	22066
10°	21965	21993	22154
15°	21999	22082	22189
20°	21977	22059	21732
25°	21921	21593	20654
30°	21792	20574	19572
35°	21464	19338	18935
40°	20746	18081	17782
45°	18647	16145	16085
50°	15124	14063	13966
55°	12558	12325	12320
60°	10873	10556	11801
65°	9423	9365	11895
70°	8125	10505	11339
75°	7286	10767	11821
80°	7573	12674	11860
85°	8596	14605	13551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1292.2	4.1
10°-20°	3731.9	11.9
20°-30°	5542.7	17.6
30°-40°	6292.5	20.0
40°-50°	5625.2	17.9
50°-60°	3889.3	12.4
60°-70°	2566.4	8.2
70°-80°	1731.4	5.5
80°-90°	741.6	2.4
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°	10566.7	33.6
0°-40°	16859.2	53.7
0°-60°	26373.7	84.0
0°-90°	31413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31413.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13571	13571	13571	13571	13571	
5°	13519	13602	13548	13604	13614	###
15°	13161	13224	13210	13284	13275	3715
25°	12305	12422	12121	11760	11594	5670
35°	10890	10661	9811	9668	9606	6791
45°	8166	7475	7071	7125	7045	6210
55°	4461	4072	4378	4317	4377	4052
65°	2467	2190	2451	2866	3114	2461
75°	1168	1469	1726	1844	1895	1276
85°	464	646	788	793	732	484
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13571.4	13571.4	13571.4	13571.4	13571.4
2.5°	13525.3	13609.8	13546.8	13605.2	13662.0
5°	13519.1	13602.1	13548.3	13603.6	13614.4
7.5°	13480.7	13557.5	13494.5	13548.3	13560.6
10°	13397.7	13488.4	13414.6	13497.6	13513.0
12.5°	13290.2	13382.4	13317.8	13431.5	13437.7
15°	13161.0	13224.1	13210.3	13284.0	13274.8
17.5°	12998.1	13070.5	13059.6	13078.0	13035.0
20°	12790.7	12872.1	12838.3	12753.8	12647.8
22.5°	12567.9	12666.2	12532.6	12318.9	12169.8
25°	12305.0	12421.8	12120.7	11759.6	11593.5
27.5°	12014.6	12119.1	11618.1	11175.6	11003.4
30°	11688.8	11733.3	11035.6	10614.6	10497.7
32.5°	11312.3	11247.8	10413.2	10135.1	10067.5
35°	10889.7	10660.7	9810.9	9667.9	9606.4
37.5°	10413.2	9993.8	9216.2	9150.1	9085.4
40°	9843.2	9223.7	8578.4	8535.4	8436.9
42.5°	9107.1	8386.2	7869.9	7819.1	7731.5
45°	8166.5	7474.9	7070.7	7124.6	7044.6
47.5°	7084.5	6560.6	6303.9	6451.5	6303.9
50°	6021.1	5669.3	5598.5	5732.3	5560.1
52.5°	5149.8	4833.2	4979.3	5002.2	4899.3
55°	4461.2	4072.5	4378.4	4316.8	4376.7
57.5°	3862.0	3427.0	3803.6	3732.8	3938.8
60°	3367.1	2878.4	3268.8	3253.4	3654.4
62.5°	2881.5	2491.2	2804.6	3030.5	3523.8
65°	2466.6	2189.9	2451.2	2866.1	3113.6
67.5°	2068.5	1964.0	2242.1	2472.7	2743.2
70°	1721.1	1774.9	2225.2	2182.2	2401.9
72.5°	1429.2	1612.2	1964.0	1971.7	2126.9
75°	1168.0	1469.2	1725.9	1844.2	1894.9
77.5°	971.2	1332.4	1558.3	1599.9	1550.6
80°	814.5	1174.1	1363.1	1344.7	1275.5
82.5°	657.7	889.8	1074.3	1091.2	1009.6
85°	464.0	645.5	788.4	793.0	731.5
87.5°	248.9	398.1	478.0	491.8	454.9
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)