

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: P730991

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-N-CL-WG-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH NARROW 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 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

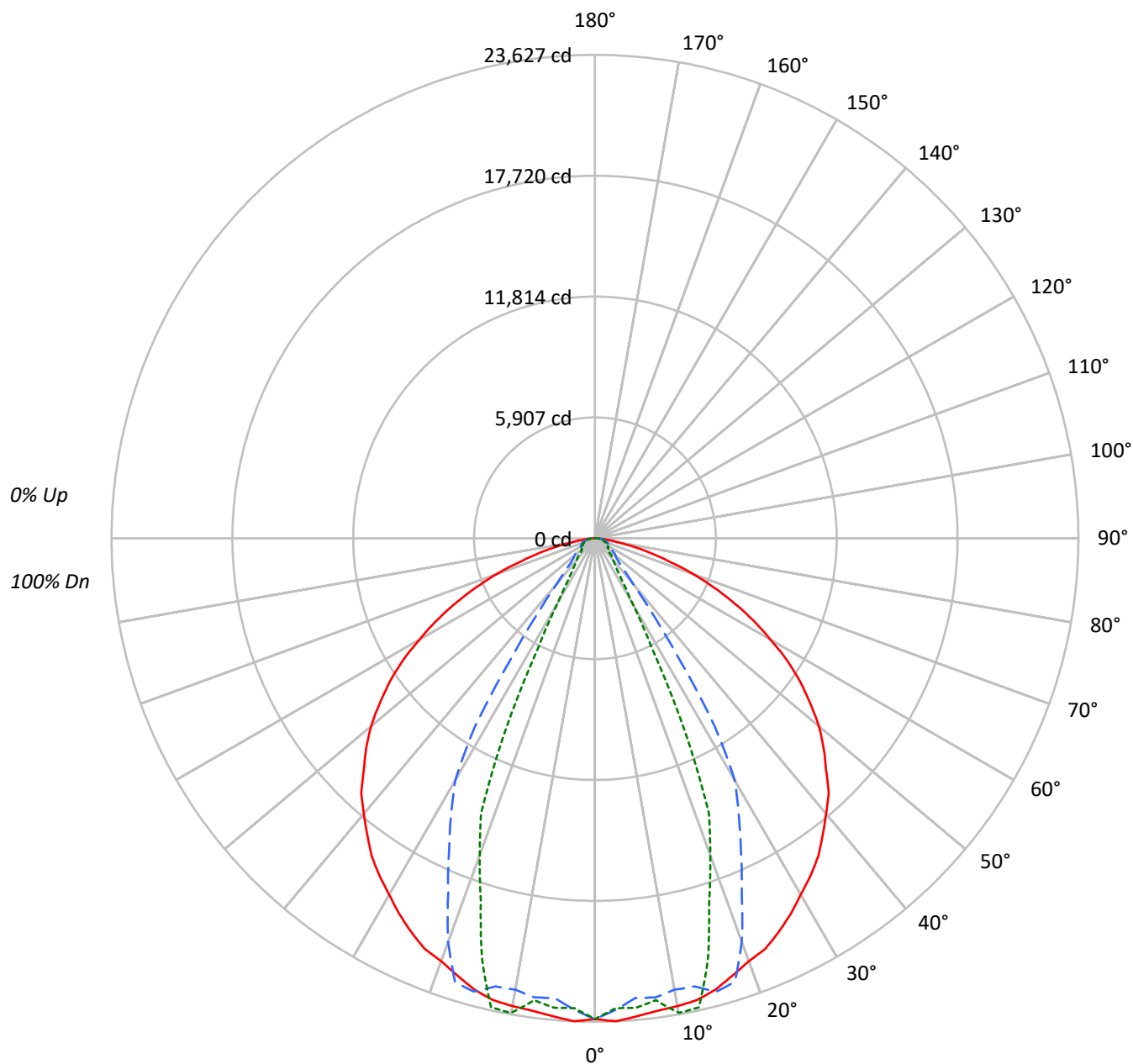
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37941	37941	37941
5°	38004	36556	37326
10°	38059	36732	38617
15°	38144	38342	35637
20°	37783	36063	28286
25°	37837	30065	18477
30°	37498	25469	6638
35°	37459	13797	3734
40°	37035	6015	2924
45°	36462	3718	2293
50°	35894	3238	2164
55°	34483	2808	2117
60°	31994	2516	2276
65°	28758	2844	2487
70°	24119	3058	2564
75°	18030	3487	2776
80°	11324	4049	3165
85°	7542	5074	4635



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2178.0	6.9
10°-20°	6150.3	19.5
20°-30°	7531.2	23.8
30°-40°	5914.3	18.7
40°-50°	4385.8	13.9
50°-60°	2670.0	8.5
60°-70°	1599.4	5.1
70°-80°	877.5	2.8
80°-90°	284.6	0.9
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°	15859.5	50.2
0°-40°	21773.7	68.9
0°-60°	28829.5	91.3
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°	23499	23499	23499	23499	23499	
5°	23448	22810	22555	22804	23030	###
15°	22820	22194	22938	22012	21320	6425
25°	21239	21306	16876	13236	10372	9777
35°	19004	17288	7000	2342	1894	11858
45°	15968	11466	1628	1234	1004	12348
55°	12250	3160	998	844	752	10901
65°	7527	931	744	700	651	7437
75°	2890	588	559	486	445	3129
85°	407	320	274	252	250	497
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23499.0	23499.0	23499.0	23499.0	23499.0
2.5°	23627.2	23308.9	23065.1	22928.8	22984.2
5°	23448.2	22810.0	22555.0	22803.7	23030.2
7.5°	23293.0	22344.5	22632.6	22654.9	22773.6
10°	23213.9	22300.1	22404.6	22897.1	23554.3
12.5°	23109.4	22403.1	22439.4	23110.9	23481.5
15°	22819.6	22194.0	22938.3	22011.9	21319.8
17.5°	22396.7	21706.2	22729.3	19500.1	18559.4
20°	21989.6	21175.7	20988.8	17370.0	16462.5
22.5°	21726.8	21094.9	18749.5	15477.5	14539.9
25°	21239.0	21305.5	16876.0	13236.5	10371.7
27.5°	20702.1	20809.9	15219.4	8827.6	5942.0
30°	20113.0	20236.6	13660.9	5216.6	3560.2
32.5°	19579.4	18882.5	10910.1	3254.5	2475.3
35°	19004.5	17287.6	6999.9	2342.3	1894.2
37.5°	18280.7	15612.1	4431.2	1852.9	1590.1
40°	17571.2	14107.6	2853.8	1582.1	1387.4
42.5°	16907.6	12867.6	2076.2	1382.6	1252.8
45°	15968.5	11466.0	1628.1	1233.6	1004.1
47.5°	15156.0	9822.2	1423.7	1043.7	866.3
50°	14289.7	7510.0	1289.1	928.1	861.6
52.5°	13261.9	4912.6	1190.9	888.5	804.5
55°	12250.0	3159.5	997.7	844.1	752.2
57.5°	11157.2	2003.4	880.6	818.7	785.5
60°	9907.7	1350.9	779.2	776.0	704.7
62.5°	8751.5	1110.2	752.2	744.4	666.8
65°	7527.3	931.2	744.4	700.0	650.9
67.5°	6304.7	798.2	673.1	639.7	597.0
70°	5109.1	730.1	647.8	633.5	543.1
72.5°	3880.0	601.8	574.9	536.9	451.4
75°	2890.2	587.5	559.0	486.2	445.0
77.5°	1955.9	541.7	508.4	435.5	402.3
80°	1217.9	497.3	435.5	381.7	340.4
82.5°	723.7	414.9	357.9	315.2	288.2
85°	407.1	319.9	273.9	251.8	250.2
87.5°	87.1	115.6	91.9	87.1	61.7
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)