

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: P730883

Luminaire Tested: **HBLED-LD5-30SE-N-CL-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730883
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-LD5-30SE-N-CL-WG-UNV-L835
Description: 30000 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: 27032.0 lumens
Efficiency: N/A
Efficacy: 142.3 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

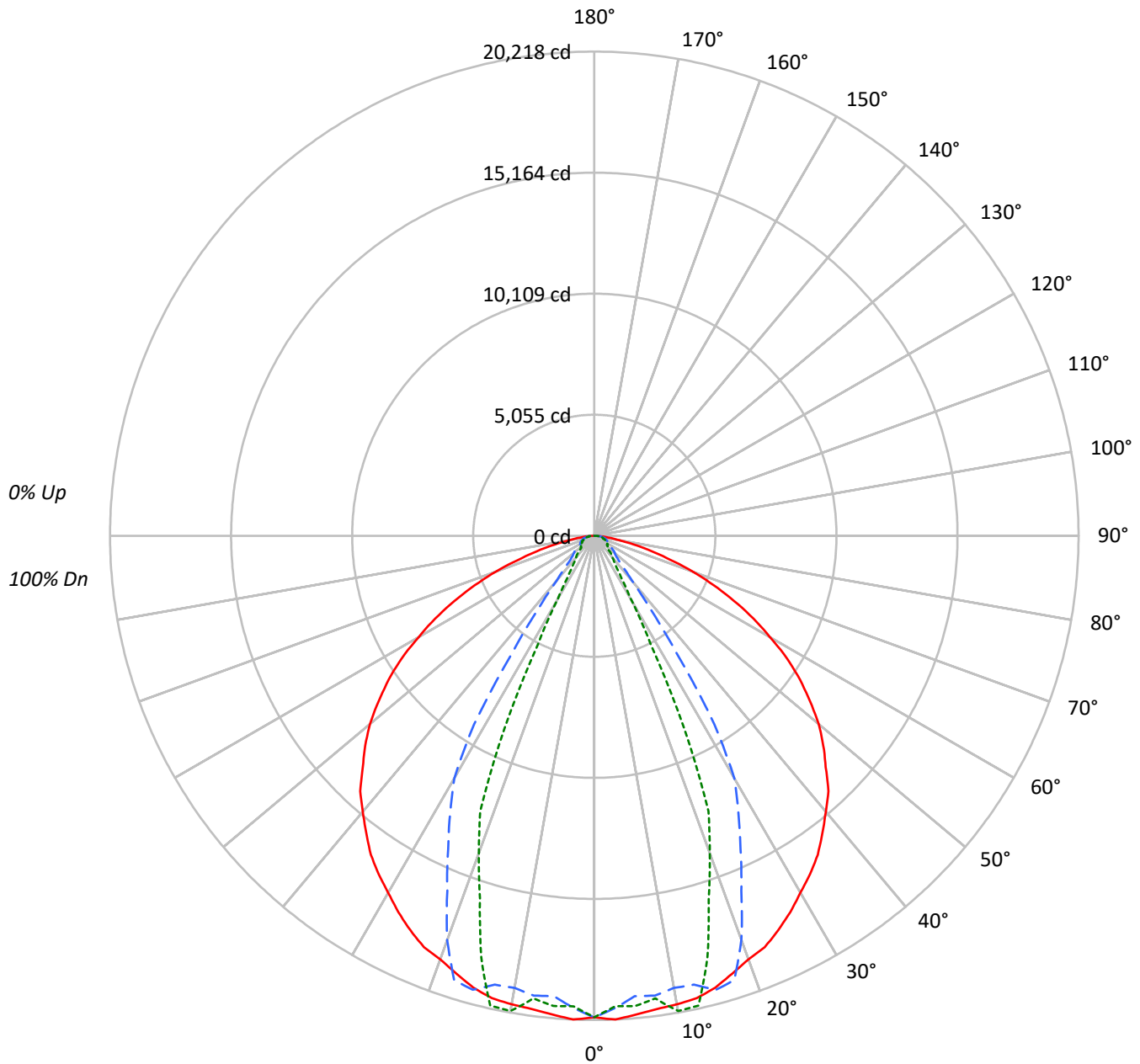
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32466	32466	32466
5°	32519	31281	31940
10°	32567	31431	33044
15°	32639	32809	30494
20°	32330	30859	24204
25°	32377	25726	15811
30°	32086	21793	5680
35°	32053	11806	3195
40°	31690	5147	2502
45°	31200	3181	1962
50°	30714	2771	1852
55°	29507	2403	1812
60°	27376	2153	1947
65°	24608	2433	2128
70°	20638	2617	2194
75°	15428	2984	2376
80°	9689	3465	2709
85°	6452	4342	3966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1863.7	6.9
10°-20°	5262.7	19.5
20°-30°	6444.3	23.8
30°-40°	5060.8	18.7
40°-50°	3752.9	13.9
50°-60°	2284.7	8.5
60°-70°	1368.5	5.1
70°-80°	750.9	2.8
80°-90°	243.5	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°	13570.8	50.2
0°-40°	18631.5	68.9
0°-60°	24669.1	91.3
0°-90°	27032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20108	20108	20108	20108	20108	
5°	20064	19518	19300	19513	19707	###
15°	19526	18991	19628	18835	18243	5498
25°	18174	18231	14441	11326	8875	8366
35°	16262	14793	5990	2004	1621	10147
45°	13664	9811	1393	1056	859	10566
55°	10482	2704	854	722	644	9328
65°	6441	797	637	599	557	6364
75°	2473	503	478	416	381	2678
85°	348	274	234	216	214	425
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20107.8	20107.8	20107.8	20107.8	20107.8
2.5°	20217.5	19945.1	19736.5	19619.9	19667.3
5°	20064.3	19518.2	19300.0	19512.9	19706.6
7.5°	19931.5	19119.9	19366.5	19385.5	19487.1
10°	19863.8	19081.9	19171.3	19592.7	20155.1
12.5°	19774.4	19170.0	19201.1	19775.7	20092.8
15°	19526.5	18991.1	19628.0	18835.3	18243.0
17.5°	19164.6	18573.7	19449.1	16686.0	15881.0
20°	18816.2	18119.7	17959.9	14863.3	14086.8
22.5°	18591.4	18050.7	16043.7	13243.9	12441.6
25°	18174.0	18230.9	14440.6	11326.3	8874.9
27.5°	17714.5	17806.7	13023.1	7553.7	5084.5
30°	17210.4	17316.2	11689.5	4463.8	3046.4
32.5°	16753.8	16157.5	9335.6	2784.8	2118.1
35°	16261.9	14792.8	5989.8	2004.3	1620.8
37.5°	15642.6	13359.0	3791.7	1585.5	1360.6
40°	15035.5	12071.7	2442.0	1353.8	1187.2
42.5°	14467.6	11010.6	1776.6	1183.1	1072.0
45°	13664.1	9811.3	1393.1	1055.6	859.2
47.5°	12968.8	8404.7	1218.3	893.1	741.3
50°	12227.5	6426.2	1103.1	794.1	737.3
52.5°	11348.0	4203.6	1019.0	760.2	688.4
55°	10482.1	2703.6	853.7	722.3	643.7
57.5°	9547.0	1714.3	753.5	700.6	672.1
60°	8477.8	1155.9	666.8	664.0	603.0
62.5°	7488.5	950.0	643.7	636.9	570.5
65°	6441.1	796.8	636.9	599.0	556.9
67.5°	5394.8	683.0	576.0	547.4	510.8
70°	4371.7	624.8	554.3	542.1	464.8
72.5°	3320.1	514.9	491.9	459.4	386.3
75°	2473.1	502.7	478.3	416.0	380.8
77.5°	1673.6	463.5	435.0	372.7	344.2
80°	1042.1	425.5	372.7	326.6	291.3
82.5°	619.3	355.0	306.3	269.7	246.6
85°	348.3	273.8	234.4	215.5	214.1
87.5°	74.5	98.9	78.6	74.5	52.8
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)