

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: P730941

Luminaire Tested: **HBLED-LD5-30SE-W-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730941
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-LD5-30SE-W-WG-UNV-L740
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31107.0 lumens
Efficiency: N/A
Efficacy: 163.7 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

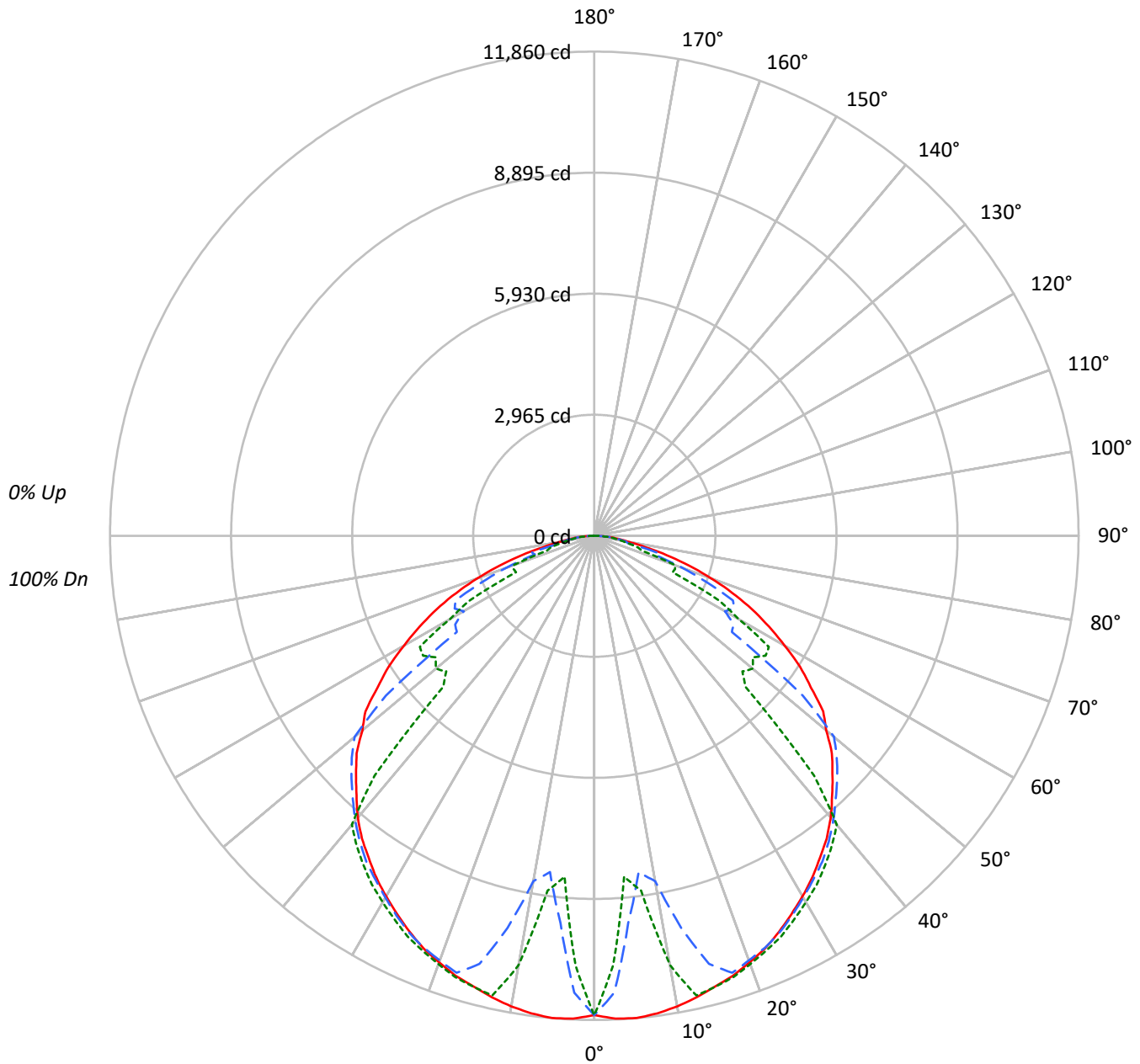
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18958	18958	18958
5°	19222	15442	13581
10°	19189	14083	17515
15°	19104	18151	19120
20°	19104	19017	19186
25°	19070	19112	19287
30°	19014	19077	19323
35°	18984	19195	19419
40°	18987	19194	19469
45°	18838	19207	11936
50°	18625	19245	12721
55°	18232	11572	14418
60°	17392	11928	13202
65°	16296	14322	8078
70°	14390	10850	9902
75°	11465	9863	6867
80°	7899	7128	5901
85°	7568	6580	6243



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.9	3.0
10°-20°	2941.6	9.5
20°-30°	4839.5	15.6
30°-40°	6085.0	19.6
40°-50°	5967.9	19.2
50°-60°	4944.7	15.9
60°-70°	3487.6	11.2
70°-80°	1521.6	4.9
80°-90°	380.2	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°	8720.0	28.0
0°-40°	14805.0	47.6
0°-60°	25717.6	82.7
0°-90°	31107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31107.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11742	11742	11742	11742	11742	
5°	11860	11038	9528	8639	8379	###
15°	11429	7937	10859	11474	11439	3232
25°	10704	9794	10728	10800	10826	4934
35°	9632	9626	9738	9803	9852	6035
45°	8250	8275	8412	7450	5227	6368
55°	6477	6689	4111	4674	5122	5795
65°	4265	4517	3749	2884	2114	4194
75°	1838	1801	1581	1033	1101	1971
85°	408	364	355	340	337	424
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11741.9	11741.9	11741.9	11741.9	11741.9
2.5°	11838.8	11593.1	11202.7	10711.3	10537.3
5°	11859.8	11038.4	9527.7	8639.0	8379.2
7.5°	11799.5	10031.8	8306.3	8492.9	8768.2
10°	11704.0	9147.3	8589.9	10106.2	10683.3
12.5°	11581.8	8361.0	9840.8	11416.2	11531.2
15°	11428.7	7937.0	10858.8	11473.8	11438.6
17.5°	11299.6	8185.5	11223.8	11358.6	11333.2
20°	11118.4	8681.1	11068.0	11176.0	11166.2
22.5°	10935.9	9267.9	10920.5	10997.8	10997.8
25°	10704.3	9794.5	10728.1	10799.8	10826.5
27.5°	10450.1	10097.7	10488.0	10547.0	10594.7
30°	10198.8	10141.3	10232.6	10308.4	10364.5
32.5°	9933.5	9911.1	9982.6	10062.7	10134.2
35°	9631.6	9626.0	9738.3	9802.9	9852.1
37.5°	9348.0	9328.4	9432.2	9522.1	9560.0
40°	9008.3	9008.3	9106.5	9197.7	9237.1
42.5°	8620.7	8675.5	8751.3	8845.3	7966.4
45°	8250.0	8275.4	8411.5	7449.8	5227.2
47.5°	7893.4	7925.7	8055.0	4789.1	4919.8
50°	7414.7	7560.6	7661.8	4775.2	5064.4
52.5°	7065.1	7128.2	6431.8	4727.4	4890.2
55°	6476.8	6688.7	4110.9	4674.1	5121.8
57.5°	5974.2	6128.6	4042.3	4789.1	5067.1
60°	5385.9	5621.7	3693.9	4620.7	4088.5
62.5°	4821.4	5046.0	3856.9	3636.5	3462.3
65°	4265.4	4516.7	3748.8	2883.9	2114.4
67.5°	3656.0	3421.7	2990.6	2031.7	2138.4
70°	3048.2	2389.7	2298.4	2271.8	2097.6
72.5°	2423.4	1743.8	1526.1	1704.5	1220.1
75°	1837.9	1801.4	1581.0	1033.3	1100.8
77.5°	1274.8	1300.1	846.6	1008.0	836.7
80°	849.5	735.8	766.6	643.0	634.7
82.5°	588.3	600.9	504.0	488.6	495.7
85°	408.5	363.6	355.2	339.8	337.0
87.5°	136.1	158.7	147.5	133.4	141.9
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)