

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: P730881

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730881
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-L740
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: 29135.0 lumens
Efficiency: N/A
Efficacy: 153.3 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

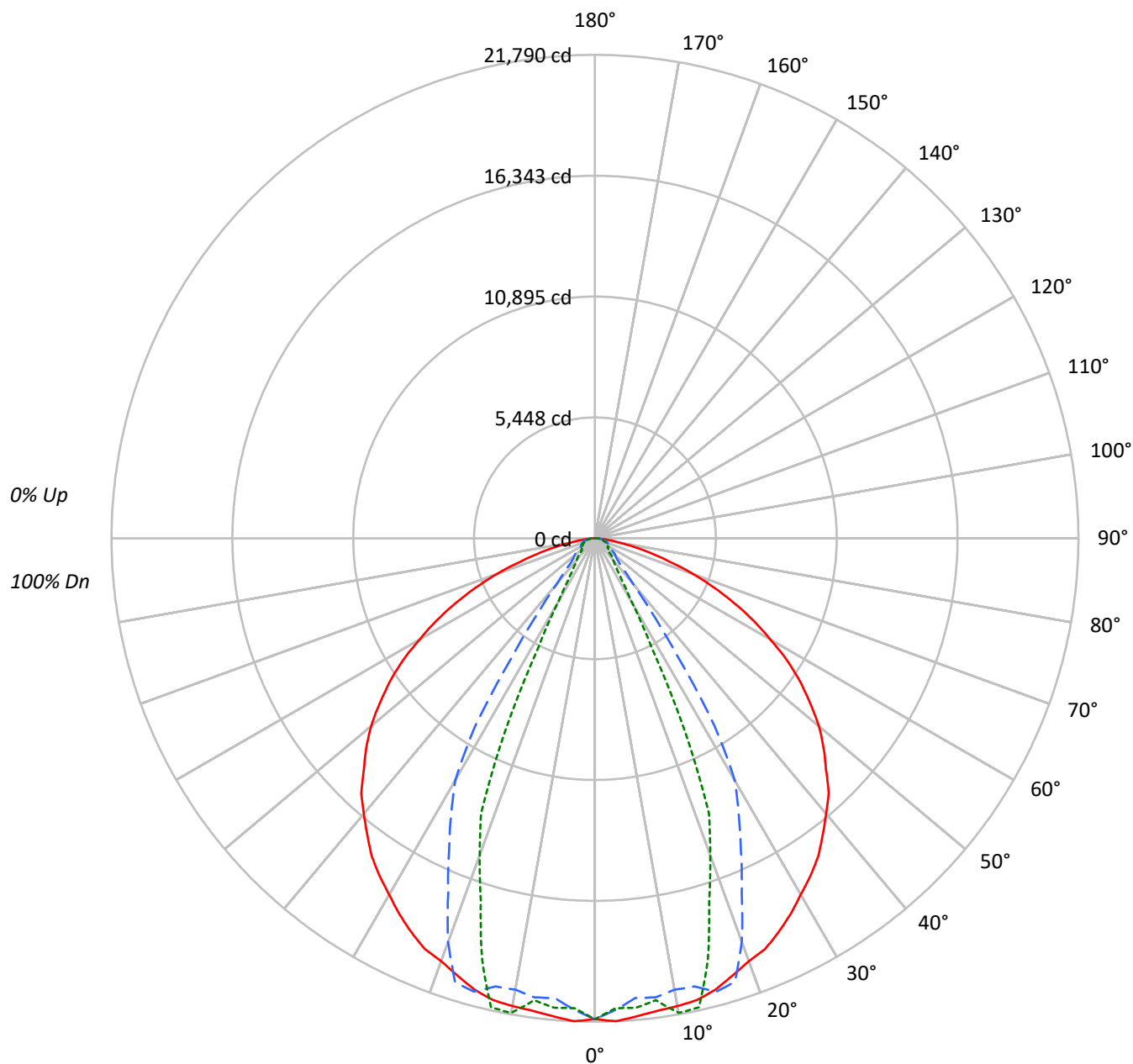
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34991	34991	34991
5°	35049	33714	34424
10°	35100	33876	35615
15°	35178	35362	32866
20°	34845	33260	26087
25°	34896	27727	17041
30°	34583	23489	6121
35°	34547	12724	3443
40°	34156	5547	2697
45°	33627	3428	2114
50°	33103	2986	1996
55°	31802	2590	1953
60°	29506	2321	2099
65°	26522	2623	2293
70°	22244	2820	2365
75°	16628	3216	2560
80°	10444	3735	2920
85°	6954	4679	4274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2008.7	6.9
10°-20°	5672.1	19.5
20°-30°	6945.7	23.8
30°-40°	5454.5	18.7
40°-50°	4044.8	13.9
50°-60°	2462.4	8.5
60°-70°	1475.0	5.1
70°-80°	809.3	2.8
80°-90°	262.5	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°	14626.5	50.2
0°-40°	20081.0	68.9
0°-60°	26588.2	91.3
0°-90°	29135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21672	21672	21672	21672	21672	
5°	21625	21037	20802	21031	21240	###
15°	21046	20468	21155	20301	19662	5925
25°	19588	19649	15564	12208	9565	9017
35°	17527	15944	6456	2160	1747	10936
45°	14727	10575	1502	1138	926	11388
55°	11298	2914	920	778	694	10054
65°	6942	859	686	646	600	6859
75°	2666	542	516	448	410	2886
85°	375	295	253	232	231	458
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21672.1	21672.1	21672.1	21672.1	21672.1
2.5°	21790.3	21496.8	21271.9	21146.3	21197.3
5°	21625.3	21036.6	20801.5	21030.9	21239.7
7.5°	21482.1	20607.3	20873.1	20893.6	21003.1
10°	21409.2	20566.4	20662.7	21117.0	21723.1
12.5°	21312.8	20661.4	20694.9	21314.2	21655.9
15°	21045.5	20468.5	21155.0	20300.6	19662.3
17.5°	20655.5	20018.7	20962.2	17984.1	17116.5
20°	20280.1	19529.4	19357.1	16019.6	15182.7
22.5°	20037.7	19454.9	17291.9	14274.2	13409.5
25°	19587.8	19649.1	15564.0	12207.5	9565.4
27.5°	19092.7	19192.0	14036.2	8141.3	5480.1
30°	18549.3	18663.3	12598.9	4811.1	3283.4
32.5°	18057.2	17414.5	10061.9	3001.5	2282.8
35°	17527.0	15943.6	6455.7	2160.2	1746.9
37.5°	16859.5	14398.3	4086.7	1708.8	1466.5
40°	16205.2	13010.8	2632.0	1459.1	1279.5
42.5°	15593.1	11867.2	1914.8	1275.1	1155.4
45°	14727.1	10574.6	1501.5	1137.7	926.0
47.5°	13977.8	9058.6	1313.0	962.5	799.0
50°	13178.8	6926.1	1188.9	855.9	794.6
52.5°	12230.9	4530.7	1098.3	819.4	741.9
55°	11297.6	2913.9	920.1	778.5	693.7
57.5°	10289.8	1847.6	812.1	755.1	724.4
60°	9137.4	1245.8	718.7	715.6	650.0
62.5°	8071.1	1023.9	693.7	686.5	614.9
65°	6942.1	858.8	686.5	645.6	600.3
67.5°	5814.5	736.2	620.8	590.0	550.6
70°	4711.9	673.4	597.4	584.3	500.9
72.5°	3578.4	555.0	530.2	495.2	416.3
75°	2665.5	541.8	515.6	448.4	410.4
77.5°	1803.8	499.5	468.9	401.7	371.0
80°	1123.2	458.6	401.7	352.0	314.0
82.5°	667.5	382.7	330.1	290.7	265.8
85°	375.4	295.1	252.6	232.3	230.7
87.5°	80.3	106.6	84.7	80.3	56.9
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)