

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: P730920

Luminaire Tested: **HBLED-LD5-30SE-W-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-CL-WG-UNV-L840
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27811.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

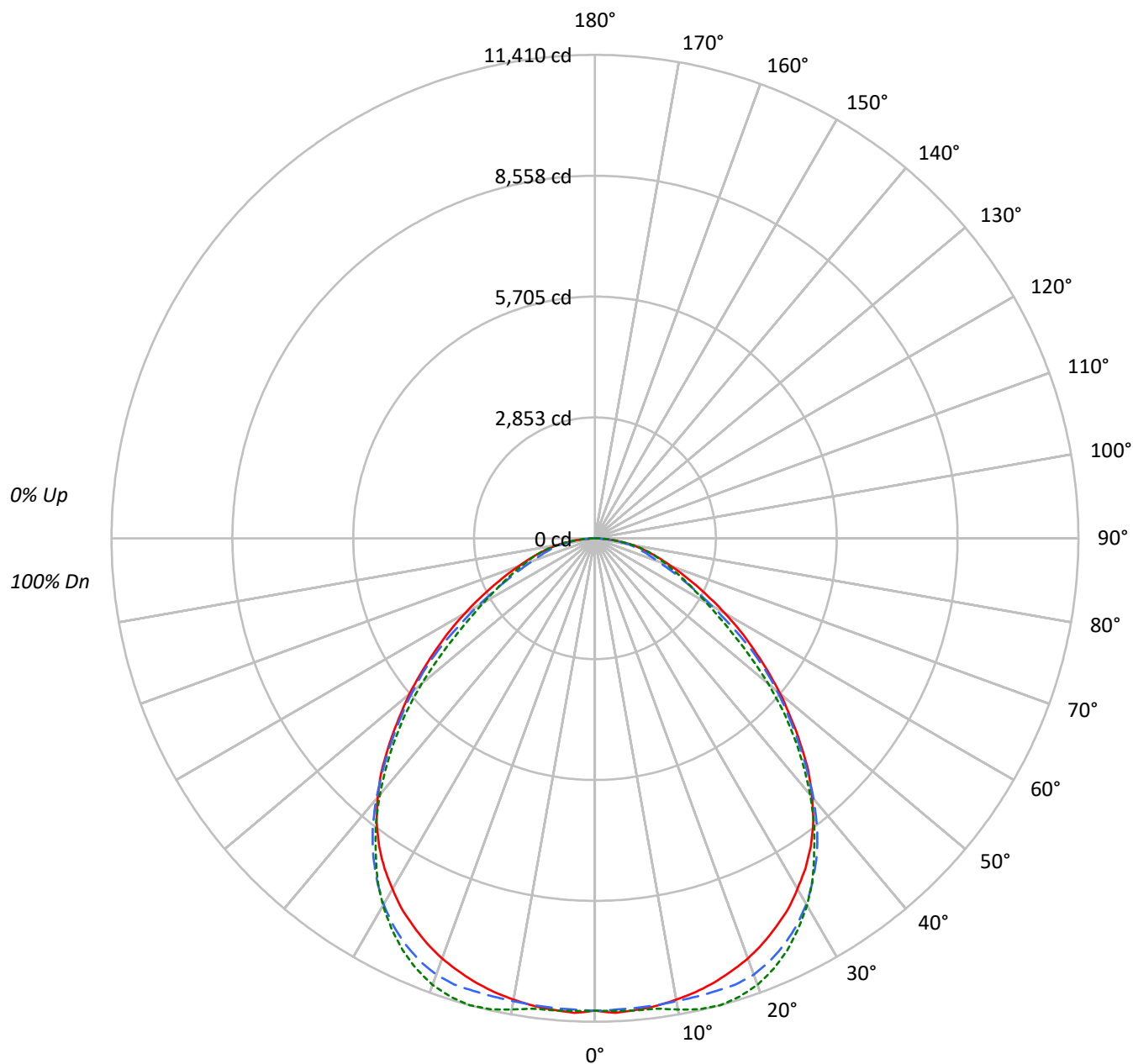
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18005	18005	18005
5°	18111	18036	18125
10°	18127	18188	18514
15°	18150	18491	19073
20°	18137	18829	19269
25°	18027	18846	19123
30°	17819	18597	18656
35°	17501	17994	17779
40°	16811	16914	16647
45°	15664	15500	15184
50°	14341	14110	13388
55°	12882	12404	11319
60°	11424	10263	9771
65°	10066	8527	8868
70°	9002	7400	8446
75°	8434	7195	8541
80°	8210	7274	8129
85°	6554	5756	5967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1062.3	3.8
10°-20°	3129.0	11.3
20°-30°	4813.6	17.3
30°-40°	5617.8	20.2
40°-50°	5220.4	18.8
50°-60°	3869.6	13.9
60°-70°	2365.5	8.5
70°-80°	1347.4	4.8
80°-90°	385.4	1.4
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°	9004.9	32.4
0°-40°	14622.7	52.6
0°-60°	23712.7	85.3
0°-90°	27811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27811.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11152	11152	11152	11152	11152	
5°	11174	11123	11128	11120	11183	###
15°	10858	10852	11062	11281	11410	3065
25°	10119	10196	10579	10668	10734	4661
35°	8879	8948	9129	9055	9020	5532
45°	6860	6900	6788	6682	6650	5286
55°	4576	4461	4406	4093	4021	4107
65°	2635	2393	2232	2292	2321	2637
75°	1352	1268	1153	1314	1369	1447
85°	354	345	311	322	322	408
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11151.5	11151.5	11151.5	11151.5	11151.5
2.5°	11211.8	11148.5	11137.0	11111.2	11168.6
5°	11174.5	11122.6	11128.3	11119.8	11183.1
7.5°	11131.3	11093.9	11116.9	11114.0	11197.5
10°	11056.5	11036.3	11093.9	11157.2	11292.4
12.5°	10973.1	10953.0	11079.5	11240.5	11387.3
15°	10858.1	10852.2	11062.3	11280.8	11410.3
17.5°	10714.2	10722.9	11042.1	11229.1	11344.1
20°	10556.0	10570.4	10958.7	11111.2	11214.7
22.5°	10351.8	10400.7	10797.6	10924.1	11004.7
25°	10118.8	10196.4	10579.0	10668.2	10734.3
27.5°	9868.6	9946.2	10308.6	10354.6	10392.1
30°	9557.9	9667.2	9975.0	9980.8	10006.6
32.5°	9241.5	9339.4	9575.2	9549.3	9555.0
35°	8879.1	8948.1	9129.3	9054.6	9020.0
37.5°	8462.1	8499.5	8614.5	8502.4	8496.5
40°	7975.9	8024.9	8024.9	7869.6	7898.3
42.5°	7458.3	7475.4	7403.6	7256.9	7279.9
45°	6859.9	6900.2	6788.0	6681.6	6650.0
47.5°	6267.4	6307.7	6189.8	6066.1	6011.5
50°	5709.5	5689.3	5617.5	5407.4	5329.8
52.5°	5131.3	5068.0	5039.3	4731.6	4642.4
55°	4576.2	4461.2	4406.5	4092.9	4021.0
57.5°	4061.3	3854.3	3750.7	3506.3	3477.4
60°	3537.9	3304.9	3178.3	3020.1	3025.8
62.5°	3063.3	2818.7	2666.4	2620.4	2640.4
65°	2634.7	2393.0	2232.0	2292.4	2321.1
67.5°	2246.4	2047.9	1866.7	2007.6	2036.4
70°	1907.0	1748.8	1567.6	1774.7	1789.1
72.5°	1625.0	1495.7	1343.2	1538.8	1570.4
75°	1351.9	1268.5	1153.4	1314.5	1369.1
77.5°	1113.1	1047.0	980.8	1078.7	1139.0
80°	883.0	816.9	782.3	834.1	874.3
82.5°	624.1	581.1	546.5	583.9	604.1
85°	353.8	345.1	310.7	322.1	322.1
87.5°	80.6	92.0	103.6	94.9	80.6
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)