

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: P730917

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730917
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-L740
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: 29135.0 lumens
Efficiency: N/A
Efficacy: 153.3 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

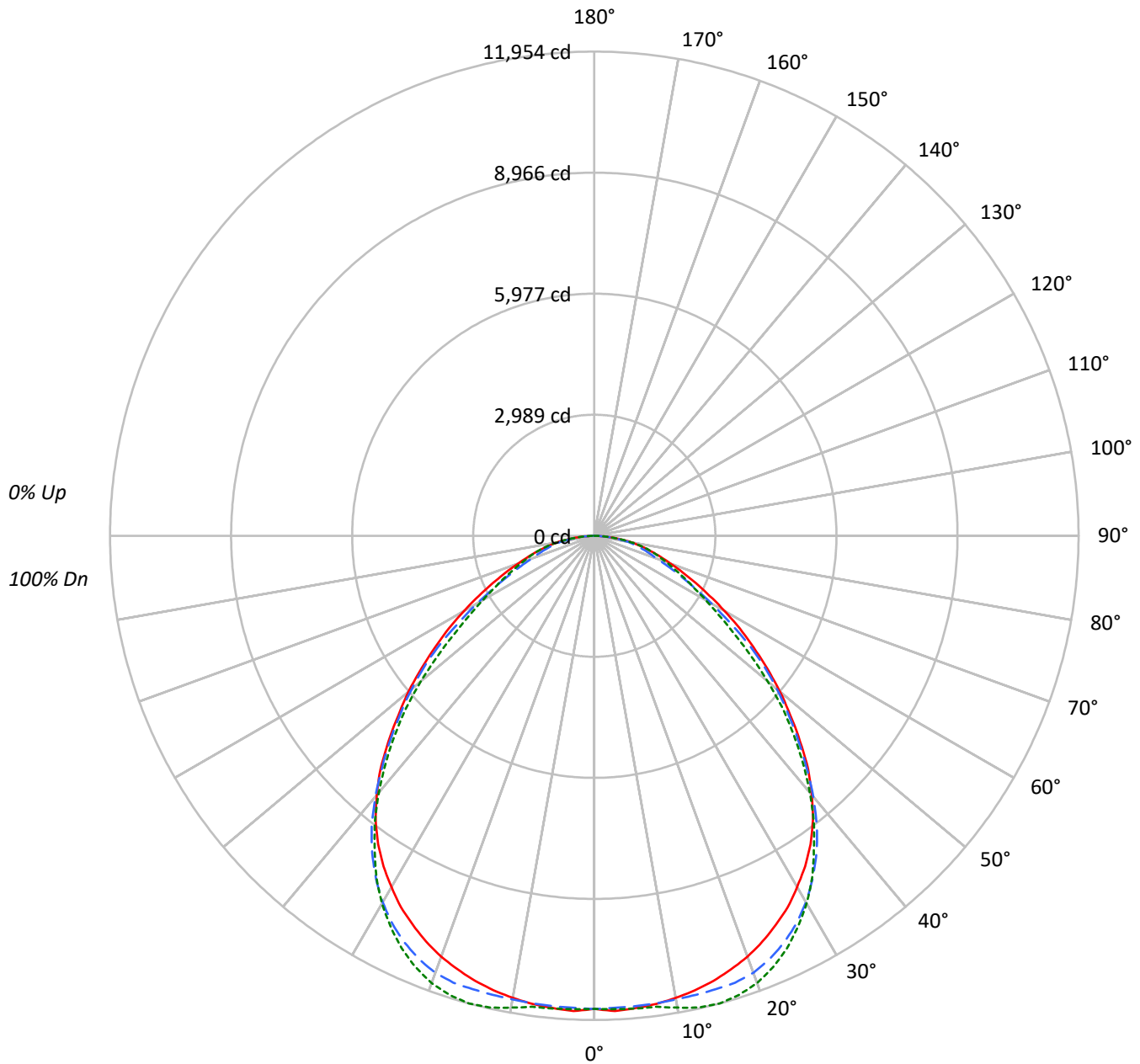
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18862	18862	18862
5°	18973	18895	18988
10°	18990	19054	19395
15°	19014	19371	19981
20°	19001	19726	20187
25°	18885	19744	20034
30°	18668	19482	19544
35°	18334	18851	18625
40°	17611	17719	17440
45°	16409	16238	15907
50°	15024	14782	14025
55°	13495	12995	11858
60°	11968	10752	10236
65°	10545	8933	9290
70°	9431	7752	8848
75°	8835	7538	8948
80°	8601	7621	8517
85°	6865	6030	6250



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1112.9	3.8
10°-20°	3278.0	11.3
20°-30°	5042.8	17.3
30°-40°	5885.2	20.2
40°-50°	5468.9	18.8
50°-60°	4053.8	13.9
60°-70°	2478.1	8.5
70°-80°	1411.5	4.8
80°-90°	403.7	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°	9433.6	32.4
0°-40°	15318.9	52.6
0°-60°	24841.6	85.3
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°	11682	11682	11682	11682	11682	
5°	11706	11652	11658	11649	11716	###
15°	11375	11369	11589	11818	11954	3211
25°	10600	10682	11083	11176	11245	4883
35°	9302	9374	9564	9486	9450	5796
45°	7186	7229	7111	7000	6967	5538
55°	4794	4674	4616	4288	4212	4302
65°	2760	2507	2338	2402	2432	2762
75°	1416	1329	1208	1377	1434	1516
85°	371	362	326	337	337	427
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11682.3	11682.3	11682.3	11682.3	11682.3
2.5°	11745.6	11679.3	11667.2	11640.1	11700.3
5°	11706.4	11652.1	11658.1	11649.2	11715.5
7.5°	11661.2	11622.0	11646.1	11643.1	11730.5
10°	11582.9	11561.7	11622.0	11688.3	11830.0
12.5°	11495.5	11474.4	11607.0	11775.7	11929.4
15°	11375.0	11368.9	11588.9	11817.9	11953.5
17.5°	11224.3	11233.3	11567.7	11763.7	11884.1
20°	11058.6	11073.6	11480.4	11640.1	11748.6
22.5°	10844.6	10895.9	11311.6	11444.2	11528.6
25°	10600.5	10681.8	11082.7	11176.1	11245.3
27.5°	10338.4	10419.7	10799.4	10847.6	10886.8
30°	10012.9	10127.4	10449.8	10456.0	10483.0
32.5°	9681.5	9784.0	10031.0	10003.9	10009.9
35°	9301.8	9374.1	9563.9	9485.7	9449.5
37.5°	8865.0	8904.1	9024.6	8907.2	8901.0
40°	8355.7	8406.9	8406.9	8244.2	8274.3
42.5°	7813.3	7831.3	7756.1	7602.4	7626.5
45°	7186.5	7228.7	7111.2	6999.7	6966.6
47.5°	6565.8	6608.0	6484.5	6354.9	6297.7
50°	5981.3	5960.1	5884.9	5664.9	5583.5
52.5°	5375.6	5309.3	5279.2	4956.8	4863.4
55°	4794.0	4673.6	4616.3	4287.8	4212.4
57.5°	4254.6	4037.8	3929.3	3673.2	3643.0
60°	3706.3	3462.2	3329.6	3163.9	3169.9
62.5°	3209.1	2952.9	2793.3	2745.1	2766.1
65°	2760.1	2507.0	2338.3	2401.5	2431.6
67.5°	2353.3	2145.4	1955.6	2103.2	2133.3
70°	1997.8	1832.1	1642.2	1859.2	1874.3
72.5°	1702.4	1566.9	1407.2	1612.0	1645.2
75°	1416.2	1328.9	1208.3	1377.1	1434.3
77.5°	1166.1	1096.9	1027.5	1130.0	1193.2
80°	925.0	855.8	819.6	873.8	916.0
82.5°	653.9	608.7	572.5	611.7	632.8
85°	370.6	361.5	325.5	337.4	337.4
87.5°	84.4	96.4	108.5	99.4	84.4
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)