

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: P730902

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-A-UNV-L840
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27560.0 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

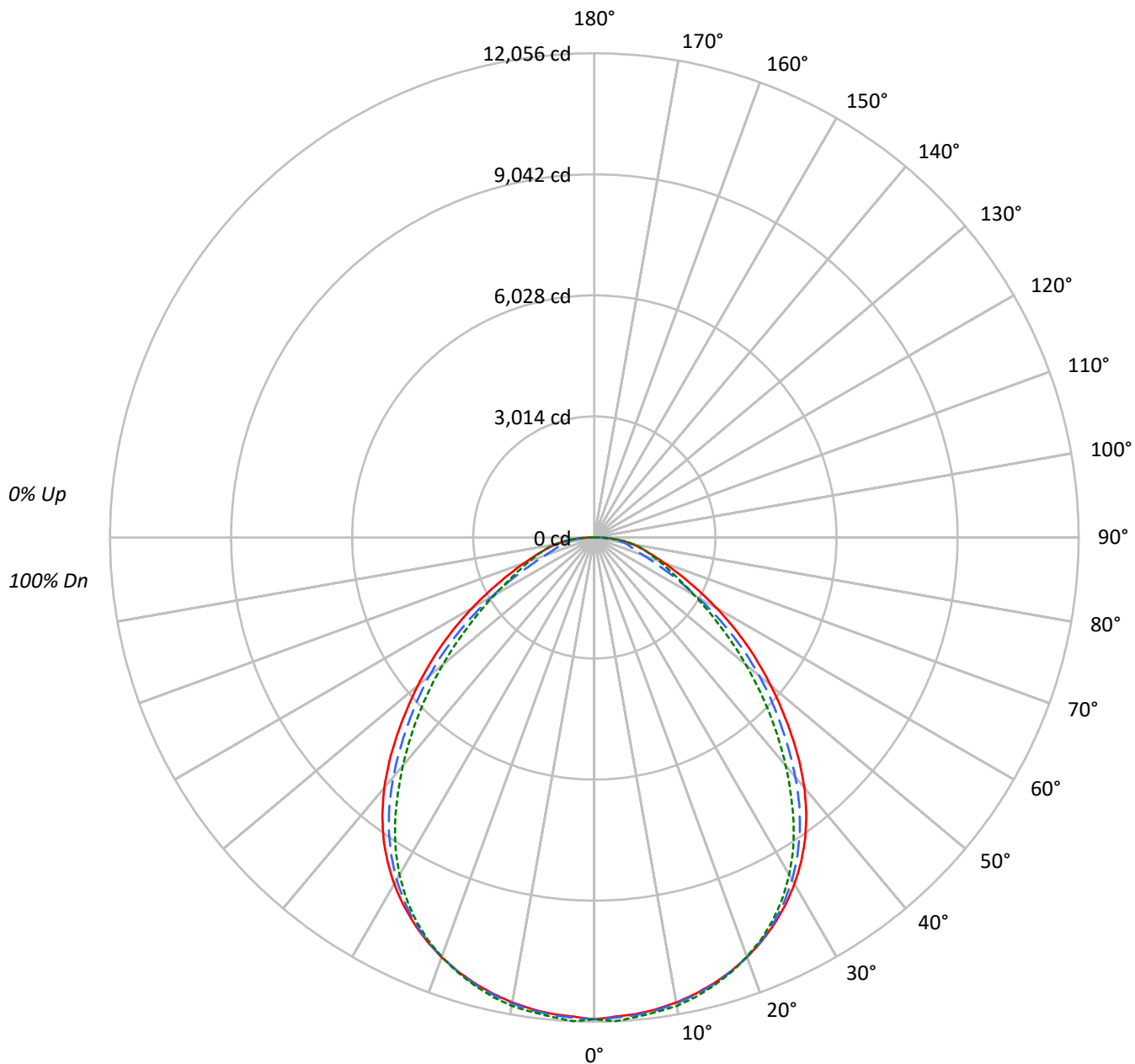
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19371	19371	19371
5°	19302	19346	19425
10°	19275	19319	19417
15°	19210	19249	19294
20°	19110	19096	19082
25°	18903	18837	18731
30°	18576	18352	18084
35°	18036	17583	17041
40°	17139	16404	15616
45°	15834	14950	14045
50°	14393	13462	12354
55°	12942	11655	10680
60°	11325	9525	9267
65°	9765	7490	8364
70°	8706	6113	8061
75°	8339	5968	8424
80°	9020	7058	9385
85°	10128	8498	10226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1137.1	4.1
10°-20°	3254.2	11.8
20°-30°	4867.9	17.7
30°-40°	5553.9	20.2
40°-50°	5055.6	18.3
50°-60°	3712.2	13.5
60°-70°	2191.9	8.0
70°-80°	1256.2	4.6
80°-90°	531.1	1.9
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°	9259.1	33.6
0°-40°	14813.0	53.7
0°-60°	23580.8	85.6
0°-90°	27560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11997	11997	11997	11997	11997	
5°	11909	11984	11936	11984	11985	###
15°	11493	11556	11516	11556	11543	3243
25°	10610	10648	10574	10570	10514	4884
35°	9151	9106	8920	8768	8646	5701
45°	6934	6894	6547	6254	6151	5344
55°	4598	4385	4140	3840	3794	4112
65°	2556	2231	1960	2097	2189	2572
75°	1337	1146	957	1248	1350	1441
85°	547	505	459	541	552	572
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11997.3	11997.3	11997.3	11997.3	11997.3
2.5°	11941.8	12010.8	11967.5	12014.9	12055.5
5°	11909.4	11983.8	11936.4	11983.8	11985.1
7.5°	11849.9	11918.8	11872.9	11924.3	11918.8
10°	11756.4	11825.5	11783.6	11839.1	11843.1
12.5°	11637.4	11703.7	11660.5	11724.1	11713.2
15°	11492.6	11556.2	11515.6	11556.2	11542.7
17.5°	11322.1	11380.4	11327.6	11372.3	11349.3
20°	11121.9	11170.6	11113.8	11155.7	11105.7
22.5°	10882.5	10925.7	10866.2	10889.2	10837.7
25°	10610.5	10648.3	10573.9	10569.9	10514.4
27.5°	10307.4	10327.7	10233.0	10200.5	10136.9
30°	9963.8	9969.1	9843.3	9782.5	9699.8
32.5°	9578.1	9564.6	9403.5	9312.9	9211.4
35°	9150.6	9105.9	8920.5	8767.7	8645.9
37.5°	8667.6	8597.2	8375.3	8149.3	8032.9
40°	8131.7	8049.2	7782.7	7502.5	7409.2
42.5°	7548.6	7478.3	7164.3	6872.1	6780.0
45°	6934.3	6893.7	6547.3	6253.7	6150.8
47.5°	6320.0	6290.3	5952.0	5653.0	5528.4
50°	5730.1	5665.1	5359.4	5031.9	4918.3
52.5°	5157.7	5025.1	4755.9	4420.3	4336.5
55°	4597.6	4385.2	4140.3	3840.0	3793.9
57.5°	4042.8	3768.2	3530.1	3305.4	3304.1
60°	3507.1	3193.2	2949.6	2831.8	2869.8
62.5°	3005.1	2683.0	2419.2	2427.3	2496.4
65°	2555.9	2231.1	1960.5	2097.2	2189.2
67.5°	2170.3	1860.4	1585.7	1840.2	1928.0
70°	1844.2	1564.1	1294.9	1612.8	1707.5
72.5°	1569.6	1334.1	1091.9	1423.4	1519.4
75°	1336.8	1146.0	956.6	1247.5	1350.3
77.5°	1147.4	978.2	857.9	1079.7	1186.6
80°	970.1	821.3	759.1	917.4	1009.3
82.5°	768.5	665.7	629.2	745.5	792.9
85°	546.7	504.7	458.7	541.2	552.0
87.5°	300.4	311.2	257.0	311.2	312.5
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)