

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: P730879

Luminaire Tested: **HBLED-LD5-30SE-N-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
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-UNV-L850
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28836.0 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

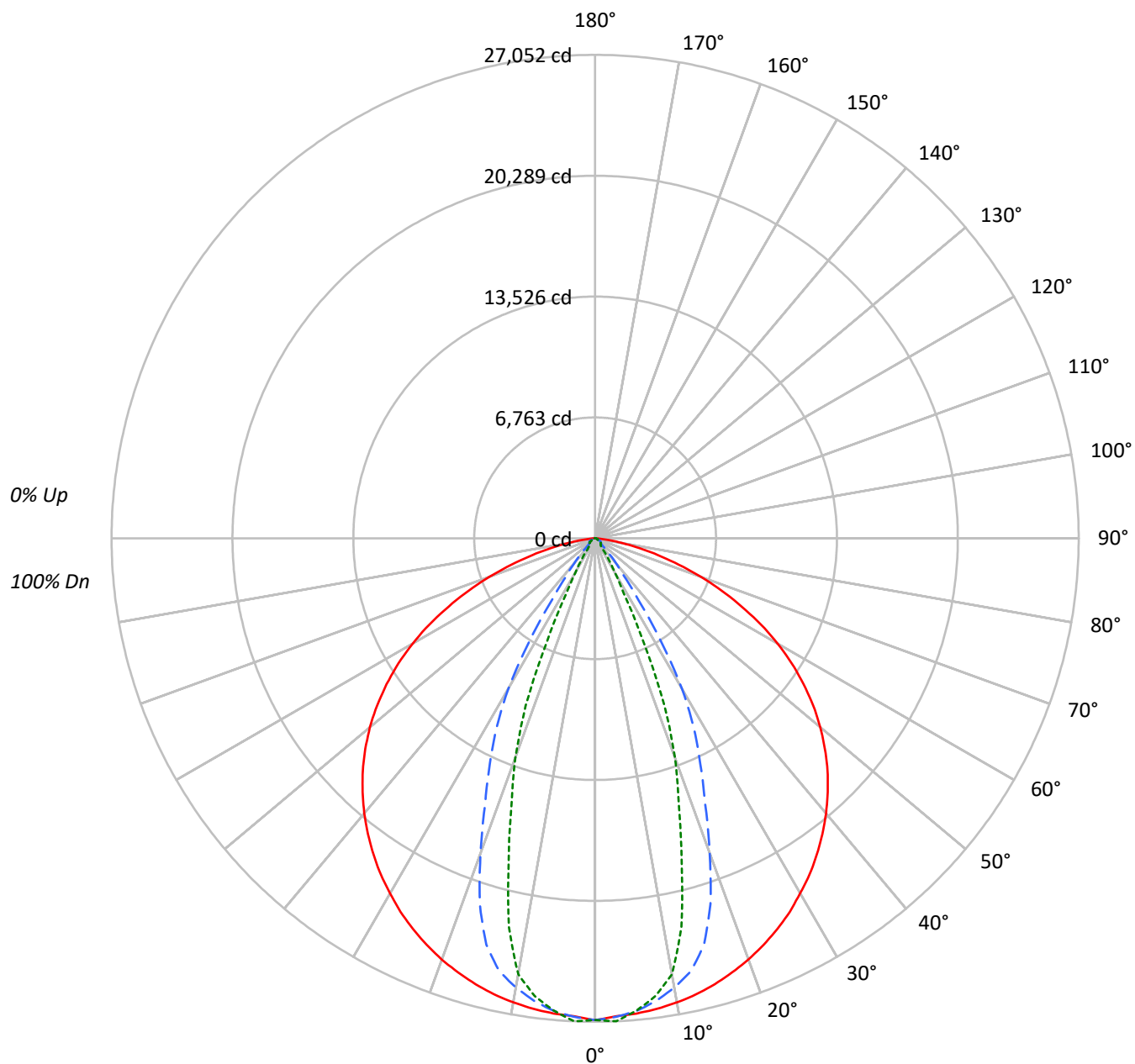
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43533	43533	43533
5°	43266	43040	43009
10°	43236	41850	40615
15°	43187	39354	31229
20°	43103	32205	22400
25°	42968	24813	11383
30°	42764	18109	4141
35°	42611	8316	1441
40°	42349	3774	995
45°	41973	1408	1008
50°	41304	1023	1061
55°	40081	1076	808
60°	38089	1150	713
65°	34541	875	580
70°	29616	632	534
75°	22637	560	508
80°	14164	526	552
85°	4474	613	743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2510.2	8.7
10°-20°	6323.4	21.9
20°-30°	6886.4	23.9
30°-40°	5151.4	17.9
40°-50°	3704.0	12.8
50°-60°	2274.8	7.9
60°-70°	1309.0	4.5
70°-80°	584.2	2.0
80°-90°	92.7	0.3
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°	15720.0	54.5
0°-40°	20871.3	72.4
0°-60°	26850.1	93.1
0°-90°	28836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26962	26962	26962	26962	26962	
5°	26695	26820	26555	26580	26536	###
15°	25837	25341	23544	20220	18683	7293
25°	24119	22389	13928	8936	6390	11118
35°	21619	15505	4219	1240	731	13523
45°	18382	8712	617	457	442	14161
55°	14239	1810	382	370	287	12695
65°	9041	199	229	190	152	8950
75°	3629	120	90	92	82	3938
85°	242	23	33	43	40	481
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26962.4	26962.4	26962.4	26962.4	26962.4
2.5°	26774.8	26950.0	26802.3	26934.8	27052.1
5°	26694.8	26820.3	26555.4	26580.2	26536.1
7.5°	26556.7	26587.1	26108.4	25923.5	25833.8
10°	26371.8	26290.5	25526.1	25086.1	24772.8
12.5°	26138.8	25869.7	24801.7	23230.3	22293.5
15°	25836.6	25341.2	23543.5	20219.8	18682.7
17.5°	25476.5	24789.3	21460.1	16851.8	15521.8
20°	25086.1	24179.5	18743.4	14328.4	13036.9
22.5°	24625.2	23400.0	16064.0	11916.6	10143.7
25°	24118.8	22388.7	13928.3	8936.5	6389.5
27.5°	23572.5	21054.5	11951.1	5480.2	3454.8
30°	22937.8	19430.5	9713.2	3075.4	2221.3
32.5°	22318.3	17537.6	6938.6	2048.8	1419.7
35°	21618.7	15505.3	4219.2	1240.4	731.2
37.5°	20877.8	13657.8	2640.8	674.6	504.9
40°	20092.8	11905.5	1790.8	478.8	471.9
42.5°	19253.9	10320.2	1121.7	455.3	470.4
45°	18382.0	8711.5	616.7	456.7	441.6
47.5°	17435.5	6964.9	430.5	431.8	430.5
50°	16443.5	4995.9	407.1	426.4	422.2
52.5°	15374.2	3101.6	408.4	416.7	373.9
55°	14238.7	1810.1	382.2	369.8	287.0
57.5°	13045.2	1128.6	373.9	305.0	258.0
60°	11795.2	596.1	356.0	274.6	220.7
62.5°	10463.7	293.9	285.5	234.6	180.8
65°	9041.2	198.7	229.1	190.4	151.8
67.5°	7667.1	179.3	172.5	155.9	132.5
70°	6273.6	164.1	133.8	136.6	113.2
72.5°	4906.3	149.0	107.6	117.3	95.2
75°	3628.7	120.1	89.7	92.4	81.5
77.5°	2524.8	93.8	70.4	78.7	75.9
80°	1523.3	59.4	56.6	64.8	59.4
82.5°	738.1	38.6	44.2	51.0	46.9
85°	241.5	23.4	33.1	42.7	40.1
87.5°	30.4	13.8	27.6	37.3	34.5
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)