

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: P730908

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-AI-UNV-L840
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27654.0 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

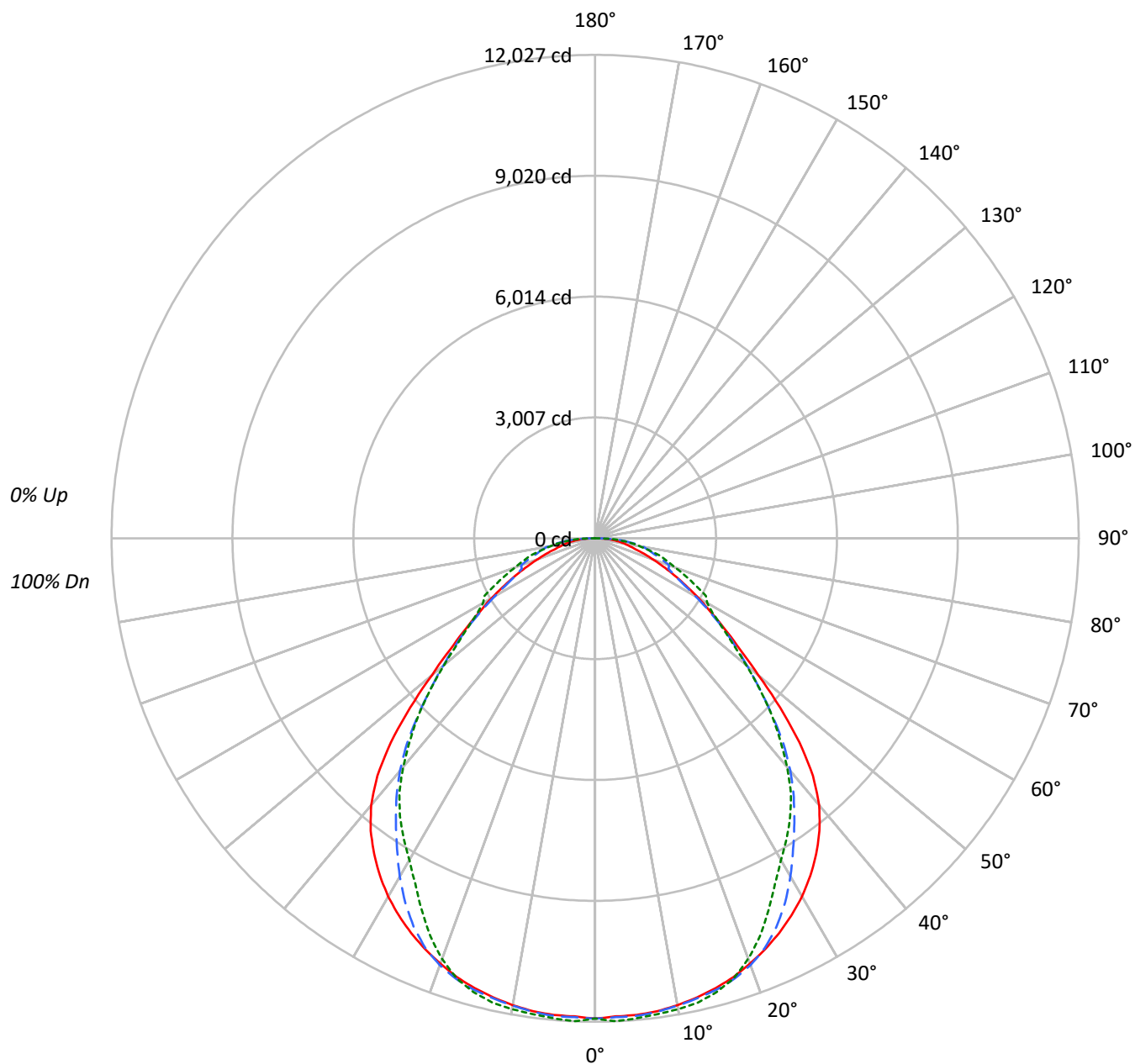
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19290	19290	19290
5°	19289	19331	19425
10°	19337	19361	19503
15°	19367	19439	19534
20°	19347	19419	19131
25°	19298	19009	18182
30°	19184	18112	17230
35°	18896	17024	16669
40°	18264	15917	15654
45°	16416	14213	14161
50°	13314	12380	12295
55°	11055	10850	10846
60°	9572	9292	10389
65°	8296	8244	10472
70°	7153	9247	9982
75°	6414	9478	10406
80°	6668	11158	10440
85°	7568	12858	11930



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1137.5	4.1
10°-20°	3285.3	11.9
20°-30°	4879.4	17.6
30°-40°	5539.5	20.0
40°-50°	4952.1	17.9
50°-60°	3423.9	12.4
60°-70°	2259.3	8.2
70°-80°	1524.2	5.5
80°-90°	652.8	2.4
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°	9302.3	33.6
0°-40°	14841.7	53.7
0°-60°	23217.7	84.0
0°-90°	27654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11947	11947	11947	11947	11947	
5°	11901	11974	11927	11976	11985	###
15°	11586	11642	11630	11694	11686	3270
25°	10832	10935	10670	10352	10206	4991
35°	9587	9385	8637	8511	8457	5978
45°	7189	6580	6225	6272	6202	5467
55°	3927	3585	3854	3800	3853	3567
65°	2171	1928	2158	2523	2741	2167
75°	1028	1293	1519	1624	1668	1123
85°	408	568	694	698	644	426
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11947.4	11947.4	11947.4	11947.4	11947.4
2.5°	11906.8	11981.2	11925.7	11977.2	12027.2
5°	11901.3	11974.4	11927.1	11975.7	11985.3
7.5°	11867.5	11935.1	11879.7	11927.1	11937.9
10°	11794.4	11874.3	11809.3	11882.4	11896.0
12.5°	11699.8	11781.0	11724.1	11824.2	11829.7
15°	11586.1	11641.6	11629.5	11694.3	11686.3
17.5°	11442.7	11506.4	11496.9	11513.1	11475.2
20°	11260.1	11331.8	11302.0	11227.6	11134.3
22.5°	11063.9	11150.5	11032.9	10844.8	10713.5
25°	10832.5	10935.4	10670.3	10352.4	10206.2
27.5°	10576.9	10668.9	10227.9	9838.3	9686.7
30°	10290.1	10329.3	9715.0	9344.4	9241.5
32.5°	9958.6	9901.8	9167.1	8922.3	8862.8
35°	9586.6	9385.0	8636.8	8511.0	8456.9
37.5°	9167.1	8797.9	8113.3	8055.1	7998.2
40°	8665.3	8120.0	7551.9	7514.0	7427.3
42.5°	8017.3	7382.7	6928.1	6883.5	6806.3
45°	7189.3	6580.4	6224.6	6272.0	6201.7
47.5°	6236.8	5775.5	5549.6	5679.5	5549.6
50°	5300.6	4990.8	4928.6	5046.3	4894.8
52.5°	4533.5	4254.9	4383.4	4403.7	4313.1
55°	3927.4	3585.2	3854.4	3800.3	3853.0
57.5°	3399.8	3016.9	3348.4	3286.2	3467.5
60°	2964.2	2534.0	2877.6	2864.1	3217.1
62.5°	2536.7	2193.1	2469.0	2667.9	3102.1
65°	2171.4	1927.9	2157.8	2523.2	2741.0
67.5°	1821.0	1729.0	1973.8	2176.8	2415.0
70°	1515.2	1562.6	1958.9	1921.1	2114.5
72.5°	1258.2	1419.2	1729.0	1735.7	1872.4
75°	1028.2	1293.4	1519.4	1623.5	1668.1
77.5°	855.0	1173.0	1371.9	1408.4	1365.1
80°	717.1	1033.6	1200.0	1183.8	1122.8
82.5°	579.0	783.4	945.7	960.6	888.8
85°	408.5	568.3	694.1	698.1	644.0
87.5°	219.1	350.4	420.8	432.9	400.4
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)