

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: P730912

Luminaire Tested: **HBLED-LD5-30SE-W-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30341.0 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

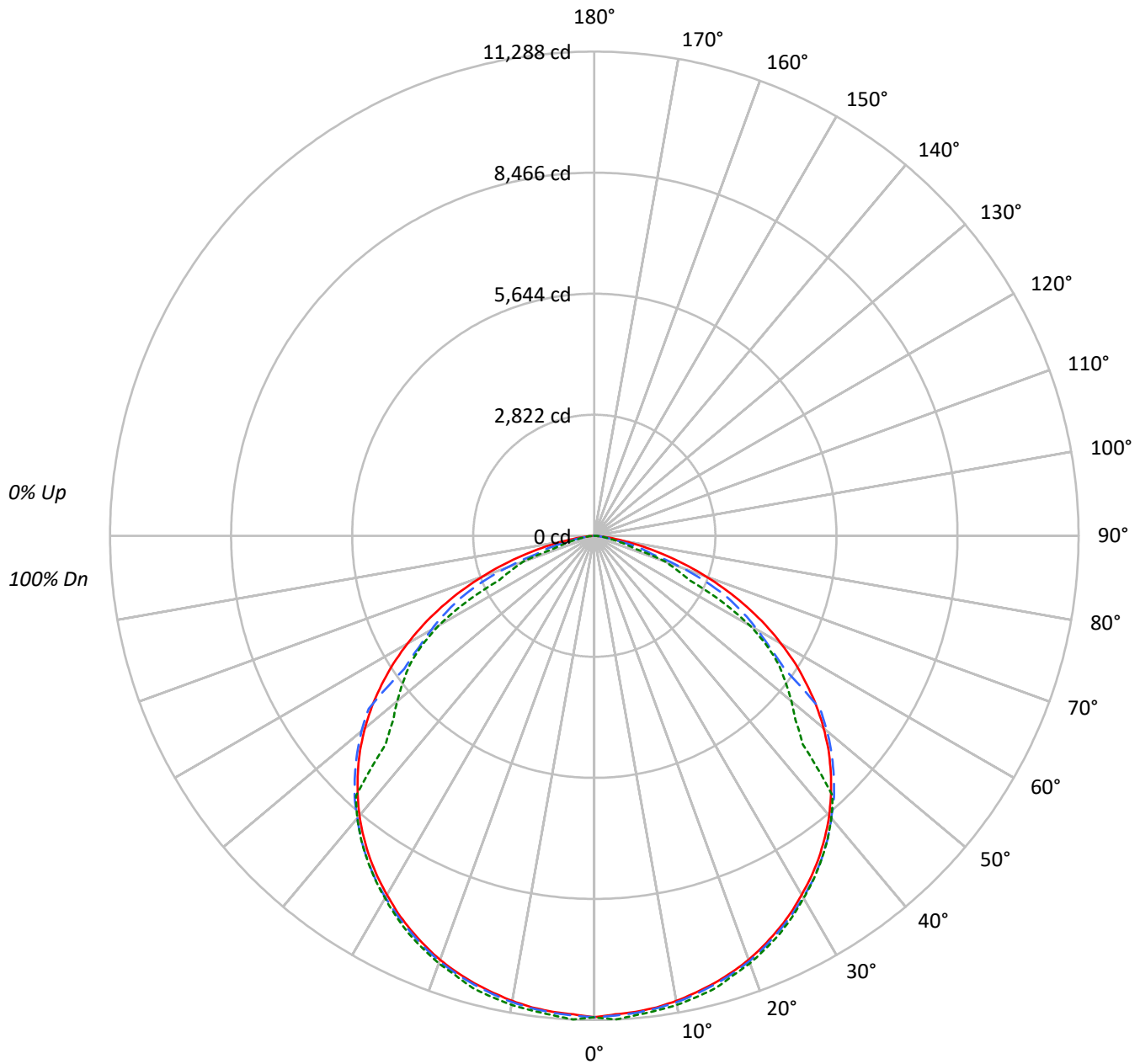
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18121	18121	18121
5°	18055	18094	18183
10°	18053	18104	18210
15°	18052	18106	18253
20°	18074	18142	18227
25°	18054	18122	18231
30°	18019	18152	18193
35°	18011	18175	18189
40°	17955	18113	18113
45°	17801	18016	15698
50°	17526	17790	15062
55°	17029	15229	14794
60°	16230	14156	13516
65°	15009	13140	9360
70°	13069	10225	8341
75°	10324	6862	4483
80°	6644	3278	2795
85°	2734	2001	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1064.6	3.5
10°-20°	3068.6	10.1
20°-30°	4704.6	15.5
30°-40°	5766.2	19.0
40°-50°	5928.1	19.5
50°-60°	5059.3	16.7
60°-70°	3344.8	11.0
70°-80°	1239.2	4.1
80°-90°	165.7	0.5
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°	8837.7	29.1
0°-40°	14603.9	48.1
0°-60°	25591.2	84.3
0°-90°	30341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11223	11223	11223	11223	11223	
5°	11140	11218	11164	11208	11219	###
15°	10799	10865	10832	10914	10920	3050
25°	10134	10187	10172	10264	10234	4672
35°	9138	9201	9221	9278	9228	5716
45°	7796	7874	7890	7878	6875	6008
55°	6049	6160	5410	5253	5256	5398
65°	3929	3961	3440	2829	2450	3874
75°	1655	1450	1100	739	719	1775
85°	148	105	108	118	119	244
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11223.0	11223.0	11223.0	11223.0	<i>11223.0</i>
2.5°	<i>11168.3</i>	<i>11238.1</i>	<i>11197.0</i>	<i>11248.9</i>	<i>11288.5</i>
5°	11139.7	11217.5	11164.2	11207.9	<i>11218.9</i>
7.5°	11090.5	11162.9	11113.6	11171.1	<i>11162.9</i>
10°	11011.3	11076.8	11042.6	11102.8	<i>11106.8</i>
12.5°	10910.1	10975.6	10944.2	11018.0	<i>11016.6</i>
15°	10799.4	10865.0	10832.1	10914.2	<i>10919.7</i>
17.5°	10669.6	10729.7	10705.1	10780.3	<i>10750.2</i>
20°	10519.2	10571.2	10558.8	10630.0	<i>10608.0</i>
22.5°	10334.7	10388.0	10375.9	10457.8	<i>10424.9</i>
25°	10133.9	10187.3	10172.2	10263.7	<i>10233.7</i>
27.5°	9916.7	9967.1	9965.8	10052.0	<i>10005.5</i>
30°	9665.2	9732.2	9736.3	9812.8	<i>9758.1</i>
32.5°	9416.6	9479.3	9497.2	9553.2	<i>9506.8</i>
35°	9137.8	9200.6	9221.1	9278.5	<i>9228.0</i>
37.5°	8837.1	8890.4	8927.3	8969.6	<i>8930.0</i>
40°	8518.7	8566.5	8593.9	8645.7	<i>8593.9</i>
42.5°	8163.4	8231.8	8270.1	8306.9	<i>8222.2</i>
45°	7795.8	7873.7	7890.1	7877.8	<i>6874.8</i>
47.5°	7406.4	7491.2	7500.7	6541.5	<i>6357.0</i>
50°	6977.3	7083.9	7082.6	6045.3	<i>5996.2</i>
52.5°	6530.5	6633.0	6628.9	5657.3	<i>5624.5</i>
55°	6049.4	6160.2	5409.9	5252.8	<i>5255.6</i>
57.5°	5558.9	5638.1	4853.8	4860.6	<i>4770.4</i>
60°	5026.0	5101.1	4383.7	4341.4	<i>4185.5</i>
62.5°	4491.7	4523.1	3928.7	3722.3	<i>3425.8</i>
65°	3928.7	3961.4	3439.5	2828.6	<i>2450.1</i>
67.5°	3350.7	3383.5	2854.5	2104.4	<i>2075.6</i>
70°	2768.5	2500.7	2166.0	1753.3	<i>1766.8</i>
72.5°	2194.6	1921.3	1415.7	1358.3	<i>981.1</i>
75°	1654.9	1449.8	1100.0	739.3	<i>718.7</i>
77.5°	1152.0	998.9	588.9	504.2	<i>471.5</i>
80°	714.6	501.5	352.5	312.9	<i>300.6</i>
82.5°	362.1	288.4	191.3	191.3	<i>191.3</i>
85°	147.6	105.3	108.0	117.5	<i>118.8</i>
87.5°	31.4	42.4	51.9	53.3	<i>51.9</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)