

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: P730282

Luminaire Tested: **HBLED-LD5-12HE-W-FLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26703)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-FLI-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11882.0 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.31
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

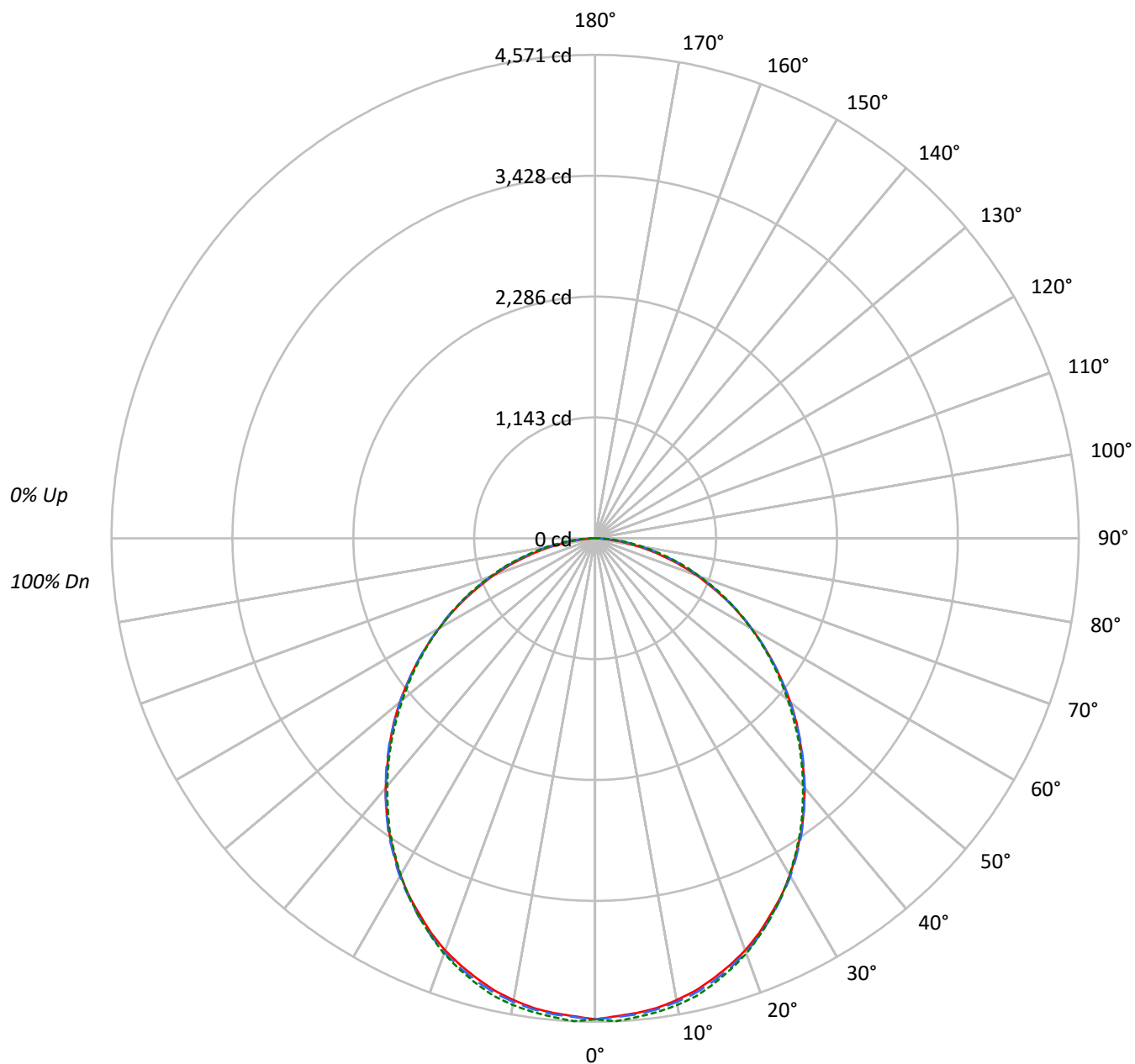
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71		
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60		
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51		
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7344	7344	7344
5°	7303	7323	7365
10°	7269	7299	7346
15°	7206	7245	7280
20°	7124	7158	7179
25°	6992	7032	7021
30°	6863	6882	6854
35°	6693	6710	6667
40°	6492	6492	6442
45°	6265	6282	6218
50°	6050	6039	5964
55°	5788	5789	5737
60°	5508	5514	5493
65°	5191	5243	5256
70°	4794	4926	4931
75°	4237	4512	4582
80°	3475	3951	4175
85°	2412	3318	3751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.2	3.6
10°-20°	1223.8	10.3
20°-30°	1818.7	15.3
30°-40°	2126.5	17.9
40°-50°	2120.2	17.8
50°-60°	1839.6	15.5
60°-70°	1358.7	11.4
70°-80°	760.7	6.4
80°-90°	203.0	1.7
90°-100°	0.6	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°	3472.7	29.2
0°-40°	5599.2	47.1
0°-60°	9559.0	80.4
0°-90°	11881.4	100.0
90°-120°	0.6	0.0
90°-150°	0.6	0.0
90°-180°	1.0	0.0
0°-180°	11882.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4549	4549	4549	4549	4549	
5°	4506	4534	4518	4538	4544	428
15°	4311	4341	4334	4355	4355	1216
25°	3925	3956	3947	3956	3941	1809
35°	3396	3426	3404	3404	3383	2121
45°	2744	2773	2751	2740	2723	2118
55°	2056	2070	2056	2053	2038	1839
65°	1359	1372	1372	1379	1376	1344
75°	679	699	723	728	734	723
85°	130	157	179	195	202	158
90°	0	3	4	8	7	5
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4548.8	4548.8	4548.8	4548.8	4548.8
2.5°	4523.9	4550.8	4532.0	4549.9	4570.8
5°	4505.7	4534.0	4518.4	4538.3	4544.1
7.5°	4479.1	4506.6	4491.5	4511.5	4517.5
10°	4433.9	4463.7	4451.9	4474.4	4480.8
12.5°	4381.3	4409.3	4401.5	4427.8	4432.2
15°	4310.7	4340.8	4334.1	4355.0	4355.3
17.5°	4232.6	4260.9	4256.0	4272.2	4271.6
20°	4146.1	4176.5	4166.1	4183.7	4178.2
22.5°	4043.7	4076.1	4063.1	4077.8	4064.0
25°	3924.8	3956.4	3947.1	3955.7	3941.3
27.5°	3809.7	3838.6	3819.5	3829.9	3814.6
30°	3681.2	3705.8	3691.1	3694.6	3676.1
32.5°	3536.9	3566.1	3548.2	3547.6	3527.9
35°	3395.7	3425.5	3404.4	3403.8	3382.7
37.5°	3239.5	3267.3	3242.4	3243.9	3219.3
40°	3080.1	3104.2	3080.1	3079.0	3056.4
42.5°	2907.1	2939.0	2917.0	2919.6	2889.5
45°	2743.7	2773.0	2751.3	2740.0	2723.2
47.5°	2580.9	2593.6	2575.7	2572.8	2549.1
50°	2408.5	2418.0	2404.4	2400.9	2374.3
52.5°	2230.3	2246.8	2229.4	2224.8	2207.1
55°	2056.1	2070.3	2056.4	2052.9	2037.9
57.5°	1880.8	1899.4	1885.2	1881.7	1869.6
60°	1705.6	1711.0	1707.6	1712.8	1700.9
62.5°	1531.4	1544.1	1548.2	1546.7	1537.5
65°	1358.7	1372.0	1372.3	1379.3	1375.7
67.5°	1182.0	1199.3	1204.3	1211.4	1214.6
70°	1015.6	1028.9	1043.4	1047.7	1044.5
72.5°	848.1	869.5	885.8	889.5	903.1
75°	679.2	699.4	723.2	728.4	734.5
77.5°	522.4	549.3	570.7	577.7	585.2
80°	373.7	403.5	424.9	434.5	449.0
82.5°	245.3	275.7	297.4	306.9	324.6
85°	130.2	157.4	179.1	195.0	202.5
87.5°	38.5	61.6	74.0	78.7	85.4
90°	0.0	2.9	3.5	7.8	7.2
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



(END OF REPORT)