

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: P730859

Luminaire Tested: **HBLED-LD5-30HE-W-FLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730859
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-LD5-30HE-W-FLI-UNV-L835
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27145.0 lumens
Efficiency: N/A
Efficacy: 151.6 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

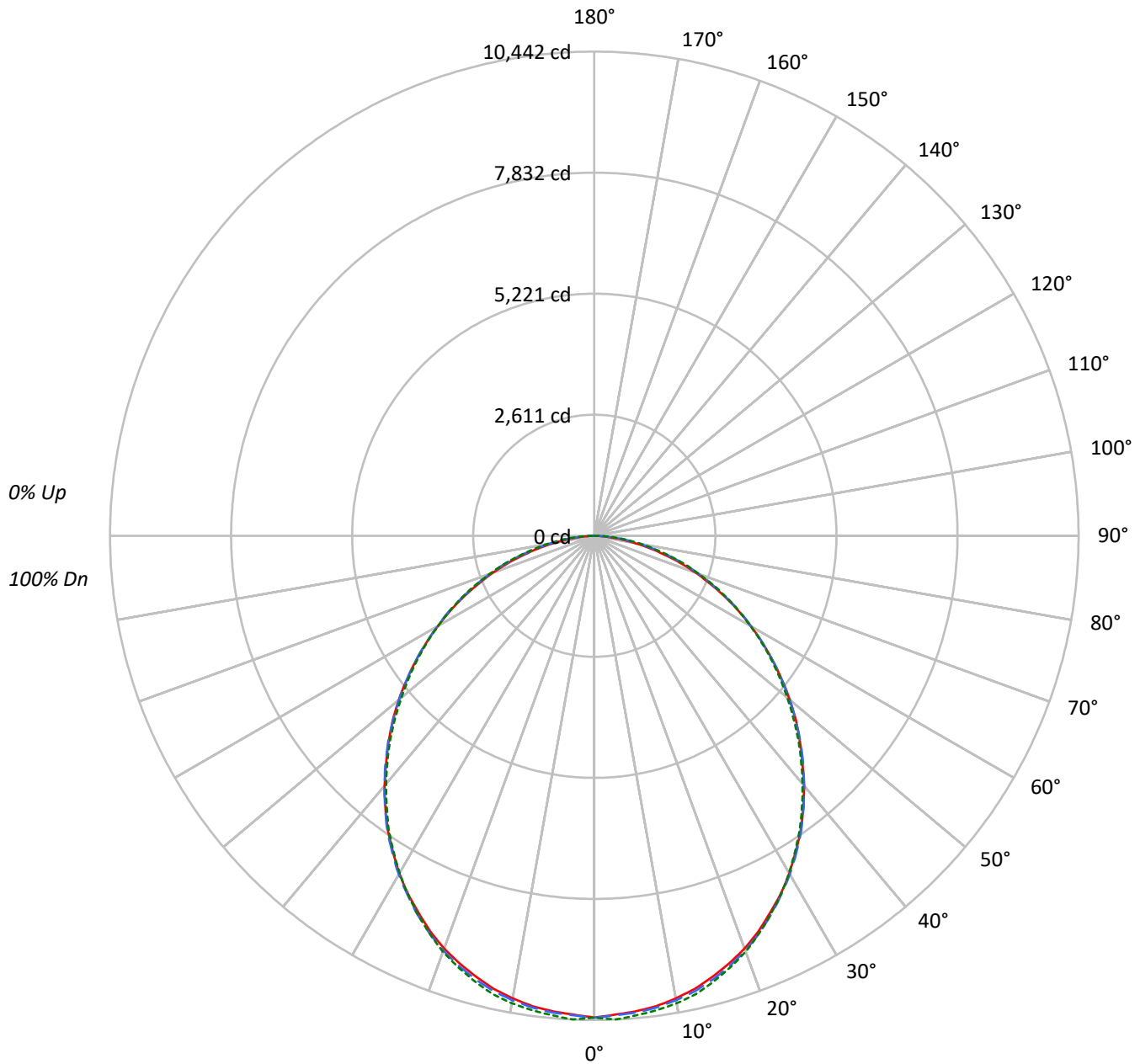
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16779	16779	16779
5°	16683	16730	16826
10°	16607	16674	16783
15°	16461	16551	16632
20°	16275	16353	16401
25°	15974	16064	16041
30°	15679	15721	15657
35°	15291	15330	15232
40°	14831	14831	14717
45°	14313	14352	14205
50°	13821	13797	13625
55°	13223	13224	13106
60°	12582	12597	12548
65°	11859	11977	12008
70°	10953	11253	11265
75°	9680	10307	10467
80°	7939	9027	9537
85°	5509	7579	8570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	982.8	3.6
10°-20°	2795.9	10.3
20°-30°	4154.9	15.3
30°-40°	4858.1	17.9
40°-50°	4843.7	17.8
50°-60°	4202.5	15.5
60°-70°	3104.1	11.4
70°-80°	1737.9	6.4
80°-90°	463.7	1.7
90°-100°	1.4	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°	7933.6	29.2
0°-40°	12791.7	47.1
0°-60°	21837.9	80.4
0°-90°	27143.6	100.0
90°-120°	1.4	0.0
90°-150°	1.4	0.0
90°-180°	1.0	0.0
0°-180°	27145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10392	10392	10392	10392	10392	
5°	10293	10358	10322	10368	10381	978
15°	9848	9917	9902	9949	9950	2777
25°	8966	9038	9017	9037	9004	4134
35°	7758	7826	7778	7776	7728	4846
45°	6268	6335	6285	6260	6221	4839
55°	4697	4730	4698	4690	4656	4200
65°	3104	3134	3135	3151	3143	3070
75°	1552	1598	1652	1664	1678	1653
85°	297	360	409	445	463	361
90°	0	7	8	18	17	12
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10391.9	10391.9	10391.9	10391.9	10391.9
2.5°	10335.1	10396.6	10353.5	10394.5	10442.2
5°	10293.4	10358.2	10322.5	10368.1	10381.3
7.5°	10232.7	10295.5	10261.1	10306.7	10320.5
10°	10129.5	10197.6	10170.5	10222.1	10236.6
12.5°	10009.3	10073.3	10055.5	10115.6	10125.5
15°	9848.0	9916.8	9901.5	9949.2	9949.8
17.5°	9669.6	9734.3	9723.1	9760.1	9758.7
20°	9472.0	9541.3	9517.6	9557.9	9545.3
22.5°	9238.1	9312.1	9282.3	9316.0	9284.3
25°	8966.4	9038.5	9017.4	9037.1	9004.1
27.5°	8703.4	8769.5	8725.8	8749.6	8714.6
30°	8410.0	8466.1	8432.5	8440.4	8398.1
32.5°	8080.2	8147.0	8105.9	8104.7	8059.7
35°	7757.7	7825.7	7777.6	7776.2	7728.1
37.5°	7400.9	7464.3	7407.5	7410.8	7354.6
40°	7036.7	7091.6	7036.7	7034.0	6982.6
42.5°	6641.5	6714.2	6664.1	6669.9	6601.3
45°	6268.2	6334.9	6285.4	6259.5	6221.2
47.5°	5896.2	5925.2	5884.2	5877.6	5823.5
50°	5502.2	5524.0	5492.9	5485.0	5424.3
52.5°	5095.2	5132.9	5093.2	5082.6	5042.3
55°	4697.3	4729.7	4697.9	4690.0	4655.7
57.5°	4296.9	4339.2	4306.8	4298.8	4271.1
60°	3896.4	3908.9	3901.0	3912.9	3885.9
62.5°	3498.6	3527.6	3536.9	3533.6	3512.4
65°	3104.0	3134.4	3135.1	3151.0	3143.0
67.5°	2700.2	2739.9	2751.2	2767.6	2774.9
70°	2320.2	2350.6	2383.7	2393.5	2386.3
72.5°	1937.6	1986.5	2023.6	2032.1	2063.2
75°	1551.7	1597.9	1652.2	1664.0	1677.9
77.5°	1193.5	1254.9	1303.8	1319.7	1336.9
80°	853.8	921.9	970.8	992.5	1025.7
82.5°	560.4	629.8	679.4	701.1	741.5
85°	297.4	359.5	409.1	445.4	462.6
87.5°	87.9	140.7	169.1	179.7	195.0
90°	0.0	6.6	7.9	17.8	16.6
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)