

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: P730835

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730835
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-LD5-30HE-W-AI-UNV-L835
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26962.0 lumens
Efficiency: N/A
Efficacy: 150.6 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

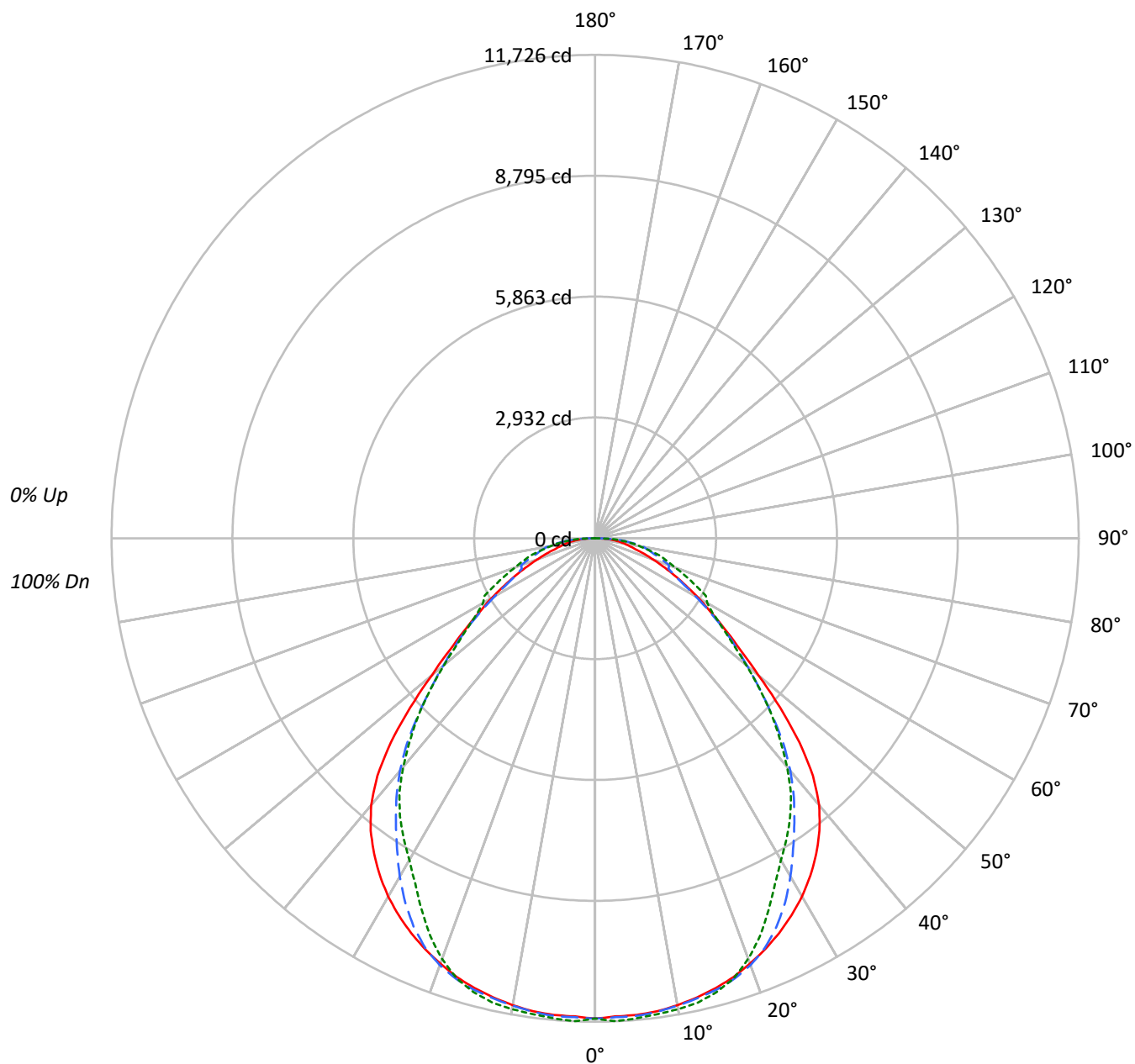
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	18807	18807	18807
5°	18806	18847	18939
10°	18853	18877	19015
15°	18882	18953	19045
20°	18863	18933	18652
25°	18815	18533	17727
30°	18704	17659	16798
35°	18423	16598	16252
40°	17807	15519	15263
45°	16005	13858	13806
50°	12981	12070	11987
55°	10779	10579	10575
60°	9332	9060	10129
65°	8088	8037	10210
70°	6974	9016	9732
75°	6254	9241	10146
80°	6500	10878	10179
85°	7379	12536	11632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1109.1	4.1
10°-20°	3203.1	11.9
20°-30°	4757.3	17.6
30°-40°	5400.9	20.0
40°-50°	4828.2	17.9
50°-60°	3338.2	12.4
60°-70°	2202.7	8.2
70°-80°	1486.1	5.5
80°-90°	636.5	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°	9069.5	33.6
0°-40°	14470.4	53.7
0°-60°	22636.7	84.0
0°-90°	26962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11648	11648	11648	11648	11648	
5°	11604	11675	11629	11676	11685	###
15°	11296	11350	11338	11402	11394	3189
25°	10562	10662	10403	10093	9951	4866
35°	9347	9150	8421	8298	8245	5828
45°	7009	6416	6069	6115	6046	5331
55°	3829	3496	3758	3705	3757	3478
65°	2117	1880	2104	2460	2672	2113
75°	1002	1261	1481	1583	1626	1095
85°	398	554	677	681	628	415
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11648.4	11648.4	11648.4	11648.4	11648.4
2.5°	11608.9	11681.4	11627.3	11677.5	11726.2
5°	11603.5	11674.8	11628.6	11676.1	11685.4
7.5°	11570.6	11636.5	11582.4	11628.6	11639.2
10°	11499.3	11577.2	11513.8	11585.1	11598.3
12.5°	11407.1	11486.2	11430.7	11528.3	11533.7
15°	11296.2	11350.3	11338.5	11401.7	11393.8
17.5°	11156.4	11218.5	11209.2	11225.0	11188.1
20°	10978.3	11048.2	11019.2	10946.7	10855.7
22.5°	10787.1	10871.5	10756.8	10573.4	10445.4
25°	10561.5	10661.7	10403.3	10093.3	9950.8
27.5°	10312.2	10401.9	9971.9	9592.1	9444.3
30°	10032.6	10070.8	9471.9	9110.6	9010.3
32.5°	9709.4	9654.0	8937.7	8699.0	8641.0
35°	9346.7	9150.1	8420.7	8298.1	8245.2
37.5°	8937.7	8577.8	7910.3	7853.6	7798.1
40°	8448.5	7916.8	7362.9	7326.0	7241.5
42.5°	7816.7	7198.0	6754.7	6711.2	6636.0
45°	7009.4	6415.8	6068.9	6115.1	6046.5
47.5°	6080.7	5631.0	5410.7	5537.3	5410.7
50°	5167.9	4866.0	4805.3	4920.0	4772.3
52.5°	4420.1	4148.4	4273.7	4293.5	4205.1
55°	3829.1	3495.5	3758.0	3705.2	3756.6
57.5°	3314.8	2941.4	3264.6	3203.9	3380.7
60°	2890.0	2470.6	2805.6	2792.4	3136.6
62.5°	2473.3	2138.2	2407.2	2601.1	3024.5
65°	2117.1	1879.6	2103.8	2460.0	2672.4
67.5°	1775.4	1685.7	1924.4	2122.3	2354.5
70°	1477.3	1523.5	1909.9	1873.0	2061.6
72.5°	1226.7	1383.7	1685.7	1692.3	1825.5
75°	1002.5	1261.1	1481.3	1582.9	1626.4
77.5°	833.6	1143.6	1337.5	1373.2	1330.9
80°	699.1	1007.7	1169.9	1154.2	1094.7
82.5°	564.5	763.8	922.1	936.6	866.6
85°	398.3	554.1	676.7	680.7	627.9
87.5°	213.7	341.7	410.3	422.1	390.4
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)