

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: P730832

Luminaire Tested: **HBLED-LD5-30HE-W-AI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730832
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-L735
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: 28205.0 lumens
Efficiency: N/A
Efficacy: 157.6 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

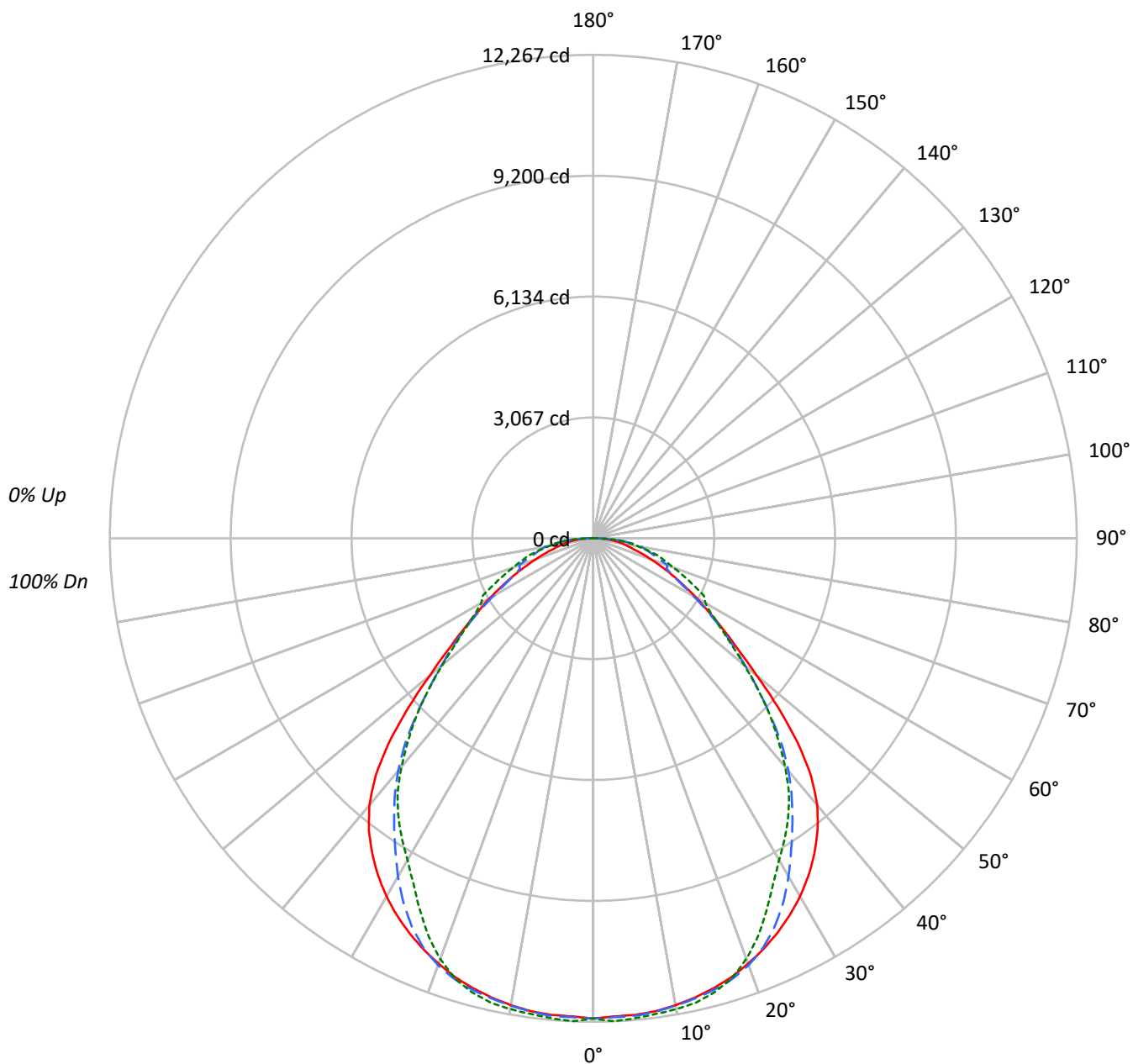
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19675	19675	19675
5°	19674	19716	19812
10°	19722	19747	19892
15°	19753	19827	19923
20°	19733	19806	19512
25°	19683	19388	18545
30°	19567	18473	17573
35°	19272	17363	17001
40°	18628	16234	15966
45°	16743	14496	14443
50°	13580	12627	12540
55°	11276	11066	11062
60°	9762	9478	10596
65°	8461	8408	10680
70°	7295	9432	10181
75°	6542	9667	10614
80°	6800	11380	10648
85°	7719	13114	12167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1160.2	4.1
10°-20°	3350.8	11.9
20°-30°	4976.6	17.6
30°-40°	5649.9	20.0
40°-50°	5050.7	17.9
50°-60°	3492.1	12.4
60°-70°	2304.3	8.2
70°-80°	1554.6	5.5
80°-90°	665.8	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°	9487.6	33.6
0°-40°	15137.5	53.7
0°-60°	23680.3	84.0
0°-90°	28205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12186	12186	12186	12186	12186	
5°	12138	12213	12165	12214	12224	###
15°	11817	11874	11861	11927	11919	3336
25°	11048	11153	10883	10559	10410	5091
35°	9778	9572	8809	8681	8625	6097
45°	7332	6712	6349	6397	6325	5576
55°	4006	3657	3931	3876	3930	3638
65°	2215	1966	2201	2573	2796	2210
75°	1049	1319	1550	1656	1701	1145
85°	417	580	708	712	657	434
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12185.5	12185.5	12185.5	12185.5	12185.5
2.5°	12144.1	12219.9	12163.4	12215.8	12266.8
5°	12138.5	12213.0	12164.7	12214.4	12224.1
7.5°	12104.0	12173.0	12116.4	12164.7	12175.7
10°	12029.5	12110.9	12044.6	12119.2	12133.0
12.5°	11932.9	12015.7	11957.7	12059.8	12065.4
15°	11817.0	11873.6	11861.2	11927.3	11919.1
17.5°	11670.7	11735.7	11725.9	11742.4	11703.8
20°	11484.5	11557.5	11527.2	11451.3	11356.1
22.5°	11284.4	11372.6	11252.7	11060.9	10927.0
25°	11048.4	11153.3	10882.9	10558.6	10409.5
27.5°	10787.6	10881.4	10431.6	10034.3	9879.7
30°	10495.1	10535.1	9908.6	9530.6	9425.7
32.5°	10157.0	10099.1	9349.8	9100.1	9039.4
35°	9777.6	9572.0	8808.9	8680.6	8625.4
37.5°	9349.8	8973.2	8275.0	8215.6	8157.6
40°	8838.0	8281.8	7702.3	7663.7	7575.3
42.5°	8177.0	7529.8	7066.2	7020.6	6942.0
45°	7332.5	6711.5	6348.7	6397.0	6325.2
47.5°	6361.0	5890.6	5660.2	5792.6	5660.2
50°	5406.2	5090.3	5026.8	5146.9	4992.3
52.5°	4623.8	4339.6	4470.8	4491.4	4399.0
55°	4005.6	3656.6	3931.2	3876.0	3929.8
57.5°	3467.6	3077.0	3415.1	3351.6	3536.5
60°	3023.2	2584.5	2935.0	2921.1	3281.2
62.5°	2587.3	2236.8	2518.2	2721.1	3163.9
65°	2214.7	1966.3	2200.8	2573.4	2795.6
67.5°	1857.3	1763.4	2013.1	2220.1	2463.1
70°	1545.4	1593.7	1998.0	1959.4	2156.6
72.5°	1283.3	1447.5	1763.4	1770.3	1909.7
75°	1048.7	1319.2	1549.6	1655.9	1701.4
77.5°	872.1	1196.3	1399.2	1436.5	1392.3
80°	731.3	1054.2	1223.9	1207.4	1145.2
82.5°	590.5	799.0	964.6	979.7	906.5
85°	416.7	579.6	707.9	712.0	656.8
87.5°	223.5	357.4	429.2	441.6	408.4
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)