

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: P730828

Luminaire Tested: **HBLED-LD5-30HE-W-A-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-A-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29658.0 lumens
Efficiency: N/A
Efficacy: 165.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

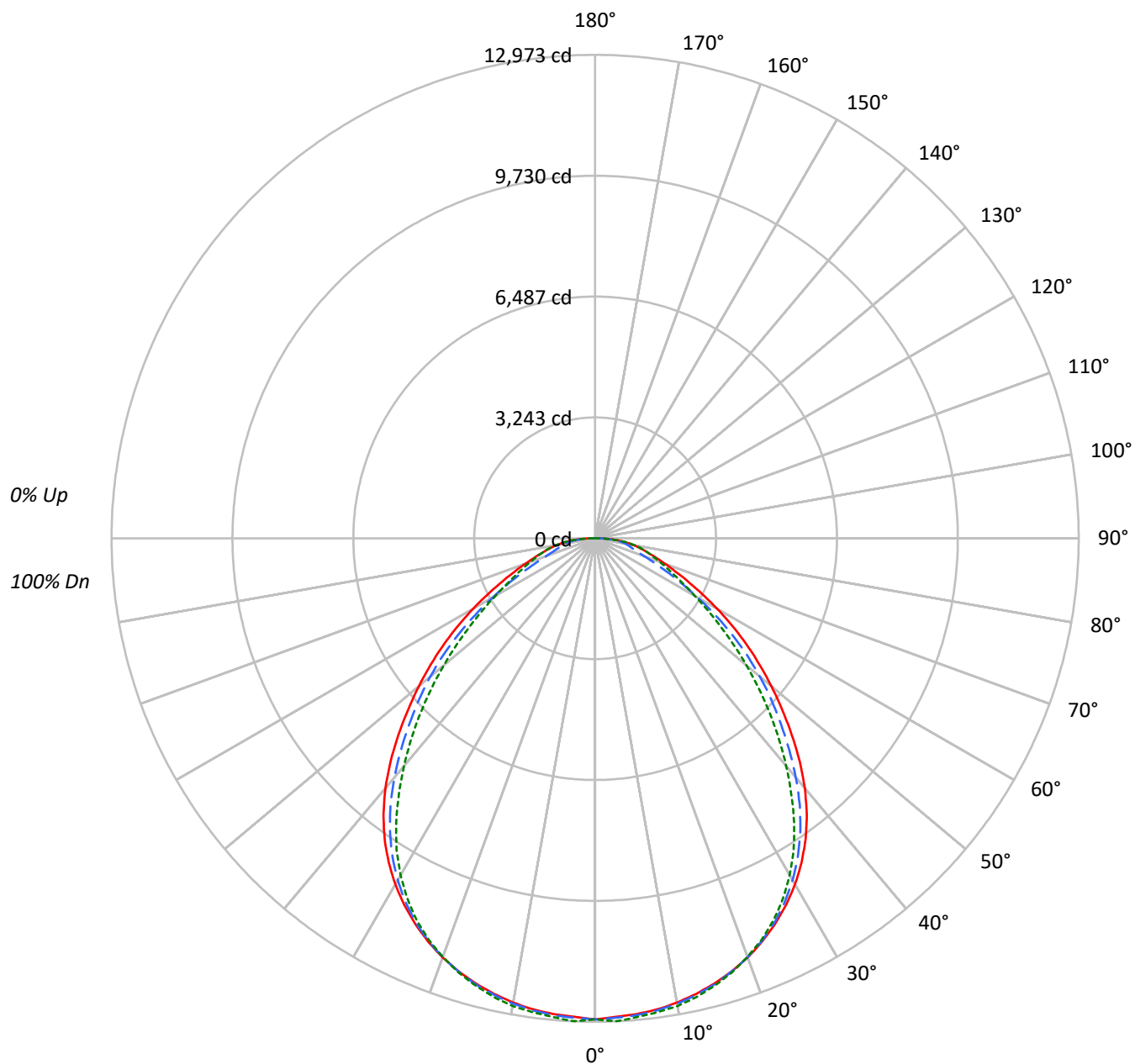
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20845	20845	20845
5°	20772	20819	20904
10°	20742	20790	20895
15°	20673	20714	20763
20°	20565	20549	20534
25°	20342	20272	20157
30°	19990	19748	19461
35°	19409	18921	18339
40°	18444	17652	16805
45°	17039	16088	15114
50°	15489	14487	13294
55°	13927	12542	11493
60°	12187	10250	9973
65°	10508	8060	9001
70°	9369	6578	8674
75°	8974	6422	9064
80°	9707	7595	10099
85°	10898	9144	11006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1223.6	4.1
10°-20°	3501.9	11.8
20°-30°	5238.5	17.7
30°-40°	5976.7	20.2
40°-50°	5440.4	18.3
50°-60°	3994.8	13.5
60°-70°	2358.8	8.0
70°-80°	1351.8	4.6
80°-90°	571.6	1.9
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°	9963.9	33.6
0°-40°	15940.6	53.7
0°-60°	25375.9	85.6
0°-90°	29658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29658.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12911	12911	12911	12911	12911	
5°	12816	12896	12845	12896	12898	###
15°	12368	12436	12392	12436	12421	3490
25°	11418	11459	11379	11374	11315	5256
35°	9847	9799	9600	9435	9304	6135
45°	7462	7418	7046	6730	6619	5751
55°	4948	4719	4456	4132	4083	4425
65°	2750	2401	2110	2257	2356	2768
75°	1439	1233	1029	1342	1453	1551
85°	588	543	494	582	594	615
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12910.6	12910.6	12910.6	12910.6	12910.6
2.5°	12850.9	12925.2	12878.5	12929.5	12973.2
5°	12816.0	12896.1	12845.1	12896.1	12897.5
7.5°	12752.0	12826.1	12776.7	12832.0	12826.1
10°	12651.4	12725.7	12680.6	12740.3	12744.7
12.5°	12523.3	12594.6	12548.1	12616.6	12604.9
15°	12367.5	12435.9	12392.2	12435.9	12421.4
17.5°	12184.0	12246.7	12189.9	12238.0	12213.3
20°	11968.6	12021.0	11959.8	12004.9	11951.1
22.5°	11710.9	11757.4	11693.4	11718.1	11662.7
25°	11418.2	11458.9	11378.9	11374.5	11314.8
27.5°	11092.0	11113.9	11011.9	10977.0	10908.5
30°	10722.3	10728.0	10592.6	10527.2	10438.2
32.5°	10307.2	10292.7	10119.4	10021.9	9912.6
35°	9847.1	9799.1	9599.6	9435.1	9304.1
37.5°	9327.4	9251.7	9012.9	8769.7	8644.4
40°	8750.7	8662.0	8375.1	8073.7	7973.2
42.5°	8123.3	8047.5	7709.7	7395.2	7296.2
45°	7462.2	7418.5	7045.7	6729.8	6619.1
47.5°	6801.1	6769.1	6405.1	6083.3	5949.3
50°	6166.3	6096.4	5767.4	5414.9	5292.7
52.5°	5550.4	5407.6	5118.0	4756.8	4666.6
55°	4947.6	4719.0	4455.5	4132.3	4082.7
57.5°	4350.6	4055.0	3798.8	3557.0	3555.6
60°	3774.1	3436.2	3174.1	3047.4	3088.3
62.5°	3233.8	2887.3	2603.4	2612.1	2686.4
65°	2750.5	2401.0	2109.8	2256.8	2355.9
67.5°	2335.5	2002.0	1706.5	1980.2	2074.8
70°	1984.6	1683.1	1393.5	1735.5	1837.5
72.5°	1689.0	1435.6	1175.1	1531.7	1635.1
75°	1438.6	1233.2	1029.4	1342.5	1453.0
77.5°	1234.8	1052.7	923.2	1161.8	1276.9
80°	1044.0	883.9	816.8	987.2	1086.1
82.5°	827.0	716.4	677.1	802.2	853.2
85°	588.3	543.1	493.6	582.4	594.1
87.5°	323.2	334.9	276.6	334.9	336.3
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)