

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: P730807

Luminaire Tested: **HBLED-LD5-30HE-N-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-CL-UNV-L850
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28924.0 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

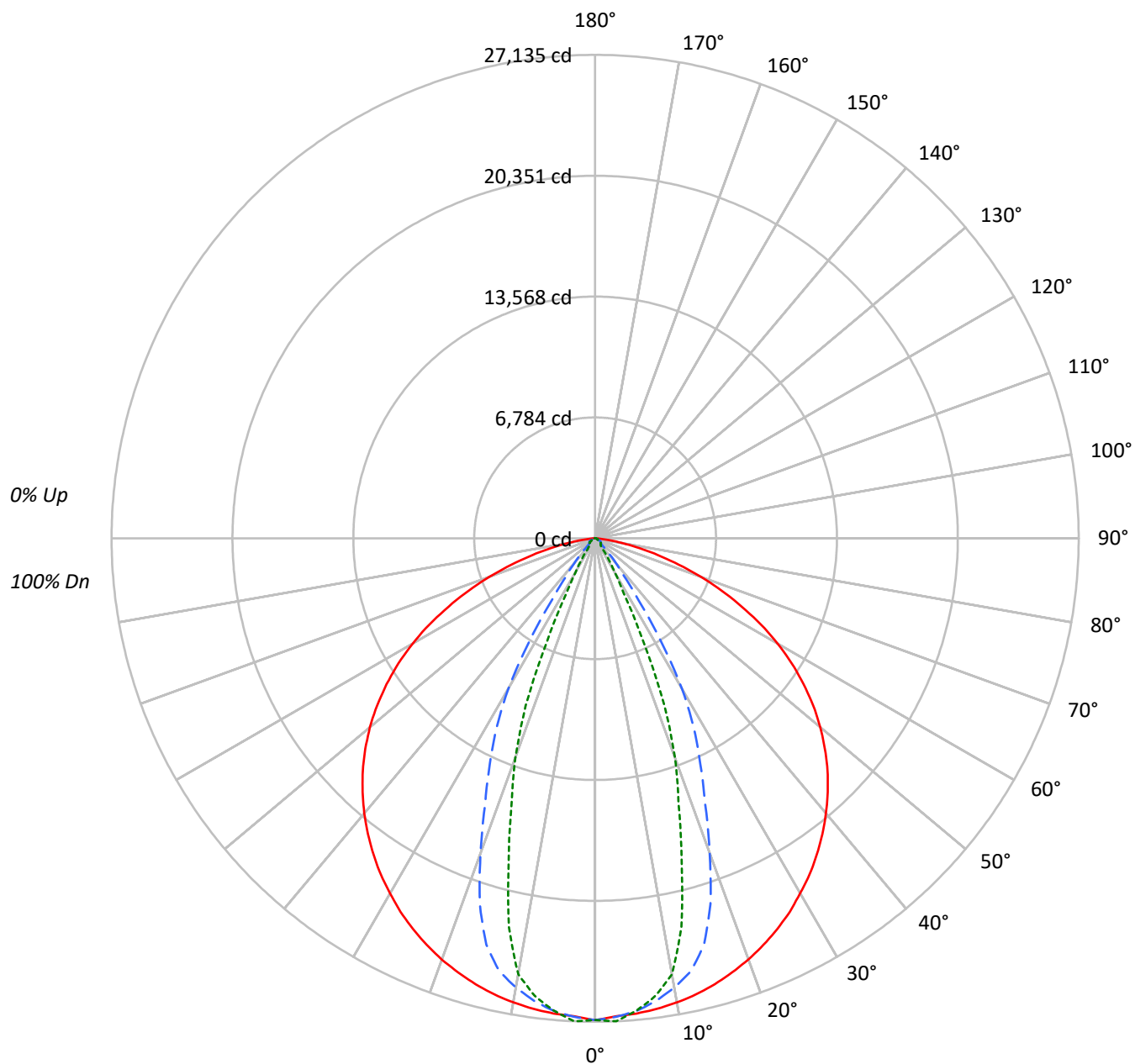
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	105	103	109	106	104	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43666	43666	43666
5°	43398	43171	43140
10°	43368	41978	40739
15°	43319	39474	31324
20°	43235	32303	22468
25°	43099	24889	11418
30°	42895	18164	4154
35°	42742	8341	1446
40°	42479	3786	998
45°	42101	1412	1011
50°	41430	1026	1064
55°	40203	1079	810
60°	38205	1153	715
65°	34647	878	581
70°	29706	634	536
75°	22705	561	510
80°	14206	527	554
85°	4487	615	745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2517.8	8.7
10°-20°	6342.7	21.9
20°-30°	6907.4	23.9
30°-40°	5167.1	17.9
40°-50°	3715.3	12.8
50°-60°	2281.8	7.9
60°-70°	1313.0	4.5
70°-80°	586.0	2.0
80°-90°	92.9	0.3
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°	15767.9	54.5
0°-40°	20935.0	72.4
0°-60°	26932.1	93.1
0°-90°	28924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27045	27045	27045	27045	27045	
5°	26776	26902	26636	26661	26617	###
15°	25915	25419	23615	20282	18740	7316
25°	24192	22457	13971	8964	6409	11152
35°	21685	15553	4232	1244	733	13564
45°	18438	8738	619	458	443	14204
55°	14282	1816	383	371	288	12734
65°	9069	199	230	191	152	8977
75°	3640	120	90	93	82	3950
85°	242	24	33	43	40	483
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27044.6	27044.6	27044.6	27044.6	27044.6
2.5°	26856.5	27032.2	26884.1	27017.0	27134.6
5°	26776.3	26902.2	26636.5	26661.3	26617.1
7.5°	26637.8	26668.2	26188.1	26002.6	25912.6
10°	26452.3	26370.7	25604.0	25162.6	24848.4
12.5°	26218.5	25948.7	24877.4	23301.2	22361.5
15°	25915.4	25418.6	23615.3	20281.5	18739.7
17.5°	25554.2	24865.0	21525.6	16903.2	15569.2
20°	25162.6	24253.3	18800.6	14372.1	13076.7
22.5°	24700.4	23471.4	16113.0	11952.9	10174.7
25°	24192.4	22457.0	13970.8	8963.7	6409.0
27.5°	23644.4	21118.7	11987.5	5496.9	3465.4
30°	23007.8	19489.8	9742.9	3084.8	2228.1
32.5°	22386.4	17591.1	6959.8	2055.1	1424.0
35°	21684.7	15552.6	4232.0	1244.2	733.4
37.5°	20941.5	13699.4	2648.9	676.7	506.5
40°	20154.1	11941.9	1796.3	480.3	473.3
42.5°	19312.7	10351.7	1125.1	456.7	471.9
45°	18438.1	8738.1	618.6	458.1	442.9
47.5°	17488.7	6986.1	431.8	433.2	431.8
50°	16493.7	5011.2	408.3	427.7	423.5
52.5°	15421.1	3111.1	409.7	417.9	375.1
55°	14282.1	1815.7	383.3	370.9	287.9
57.5°	13085.0	1132.0	375.1	305.9	258.8
60°	11831.2	597.9	357.0	275.5	221.4
62.5°	10495.7	294.8	286.4	235.3	181.3
65°	9068.8	199.4	229.8	190.9	152.2
67.5°	7690.5	179.9	173.0	156.4	132.9
70°	6292.7	164.6	134.2	137.0	113.5
72.5°	4921.3	149.4	107.9	117.6	95.5
75°	3639.7	120.4	90.0	92.7	81.7
77.5°	2532.6	94.1	70.6	78.9	76.1
80°	1527.9	59.6	56.7	65.0	59.6
82.5°	740.4	38.7	44.3	51.1	47.0
85°	242.2	23.5	33.2	42.9	40.2
87.5°	30.4	13.9	27.6	37.4	34.6
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)