

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: P730802

Luminaire Tested: **HBLED-LD5-30HE-N-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730802
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-L735
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: 28845.0 lumens
Efficiency: N/A
Efficacy: 161.1 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

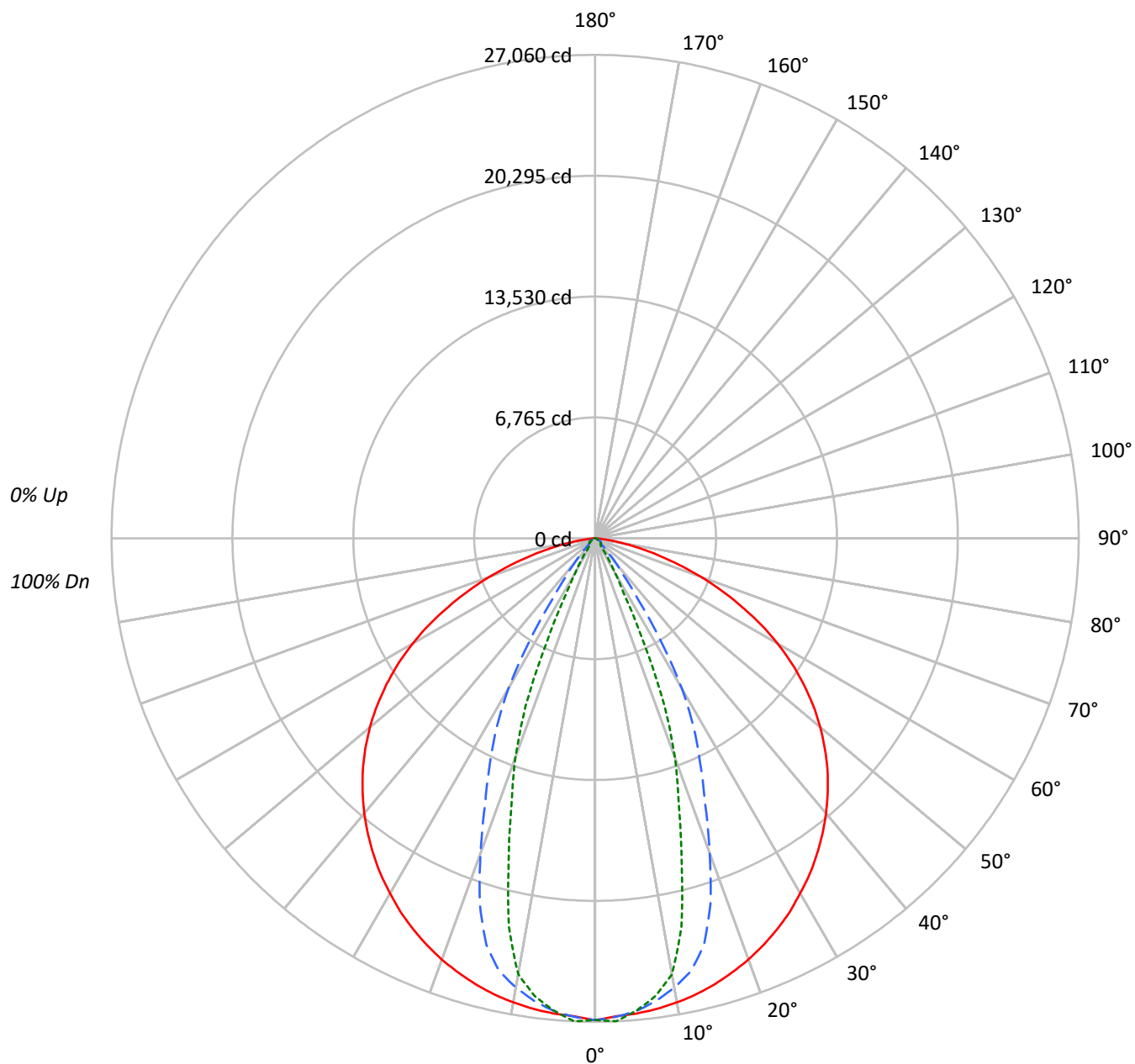
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43547	43547	43547
5°	43279	43053	43022
10°	43250	41863	40628
15°	43200	39366	31239
20°	43117	32215	22407
25°	42981	24821	11386
30°	42778	18115	4143
35°	42625	8319	1442
40°	42363	3776	995
45°	41986	1409	1009
50°	41316	1023	1061
55°	40094	1076	808
60°	38101	1150	713
65°	34552	876	580
70°	29625	632	534
75°	22644	560	508
80°	14167	526	552
85°	4476	615	743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2511.0	8.7
10°-20°	6325.3	21.9
20°-30°	6888.6	23.9
30°-40°	5153.0	17.9
40°-50°	3705.1	12.8
50°-60°	2275.5	7.9
60°-70°	1309.4	4.5
70°-80°	584.4	2.0
80°-90°	92.7	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°	15724.9	54.5
0°-40°	20877.9	72.4
0°-60°	26858.5	93.1
0°-90°	28845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26971	26971	26971	26971	26971	
5°	26703	26829	26564	26588	26544	###
15°	25845	25349	23551	20226	18688	7296
25°	24126	22396	13933	8939	6392	11121
35°	21626	15510	4220	1241	731	13527
45°	18388	8714	617	457	442	14165
55°	14243	1811	382	370	287	12699
65°	9044	199	229	190	152	8953
75°	3630	120	90	92	82	3939
85°	242	23	33	43	40	481
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26970.8	26970.8	26970.8	26970.8	26970.8
2.5°	26783.1	26958.4	26810.7	26943.2	27060.5
5°	26703.1	26828.7	26563.7	26588.5	26544.4
7.5°	26565.0	26595.4	26116.6	25931.6	25841.8
10°	26380.1	26298.7	25534.1	25093.9	24780.6
12.5°	26146.9	25877.8	24809.5	23237.5	22300.5
15°	25844.6	25349.2	23550.8	20226.1	18688.5
17.5°	25484.4	24797.1	21466.8	16857.0	15526.7
20°	25093.9	24187.1	18749.2	14332.9	13041.0
22.5°	24632.9	23407.3	16069.0	11920.3	10146.9
25°	24126.4	22395.7	13932.6	8939.3	6391.5
27.5°	23579.9	21061.0	11954.8	5481.9	3455.9
30°	22945.0	19436.6	9716.2	3076.4	2222.0
32.5°	22325.2	17543.1	6940.8	2049.5	1420.1
35°	21625.5	15510.1	4220.5	1240.8	731.4
37.5°	20884.3	13662.0	2641.6	674.9	505.1
40°	20099.1	11909.2	1791.4	479.0	472.1
42.5°	19259.9	10323.4	1122.0	455.4	470.6
45°	18387.7	8714.2	616.9	456.9	441.7
47.5°	17441.0	6967.0	430.6	432.0	430.6
50°	16448.6	4997.5	407.2	426.5	422.4
52.5°	15379.0	3102.6	408.5	416.8	374.0
55°	14243.1	1810.7	382.3	369.9	287.1
57.5°	13049.2	1128.9	374.0	305.1	258.1
60°	11798.9	596.3	356.1	274.7	220.8
62.5°	10467.0	294.0	285.6	234.6	180.8
65°	9044.1	198.8	229.2	190.4	151.8
67.5°	7669.4	179.4	172.6	155.9	132.5
70°	6275.5	164.2	133.8	136.6	113.2
72.5°	4907.9	149.0	107.6	117.3	95.2
75°	3629.8	120.1	89.7	92.4	81.5
77.5°	2525.6	93.9	70.4	78.7	75.9
80°	1523.7	59.4	56.6	64.8	59.4
82.5°	738.4	38.6	44.2	51.0	46.9
85°	241.6	23.4	33.2	42.7	40.1
87.5°	30.4	13.8	27.6	37.3	34.5
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)