

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: P730820

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23767)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-UNV-L735
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30795.0 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.62 / 0.77
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

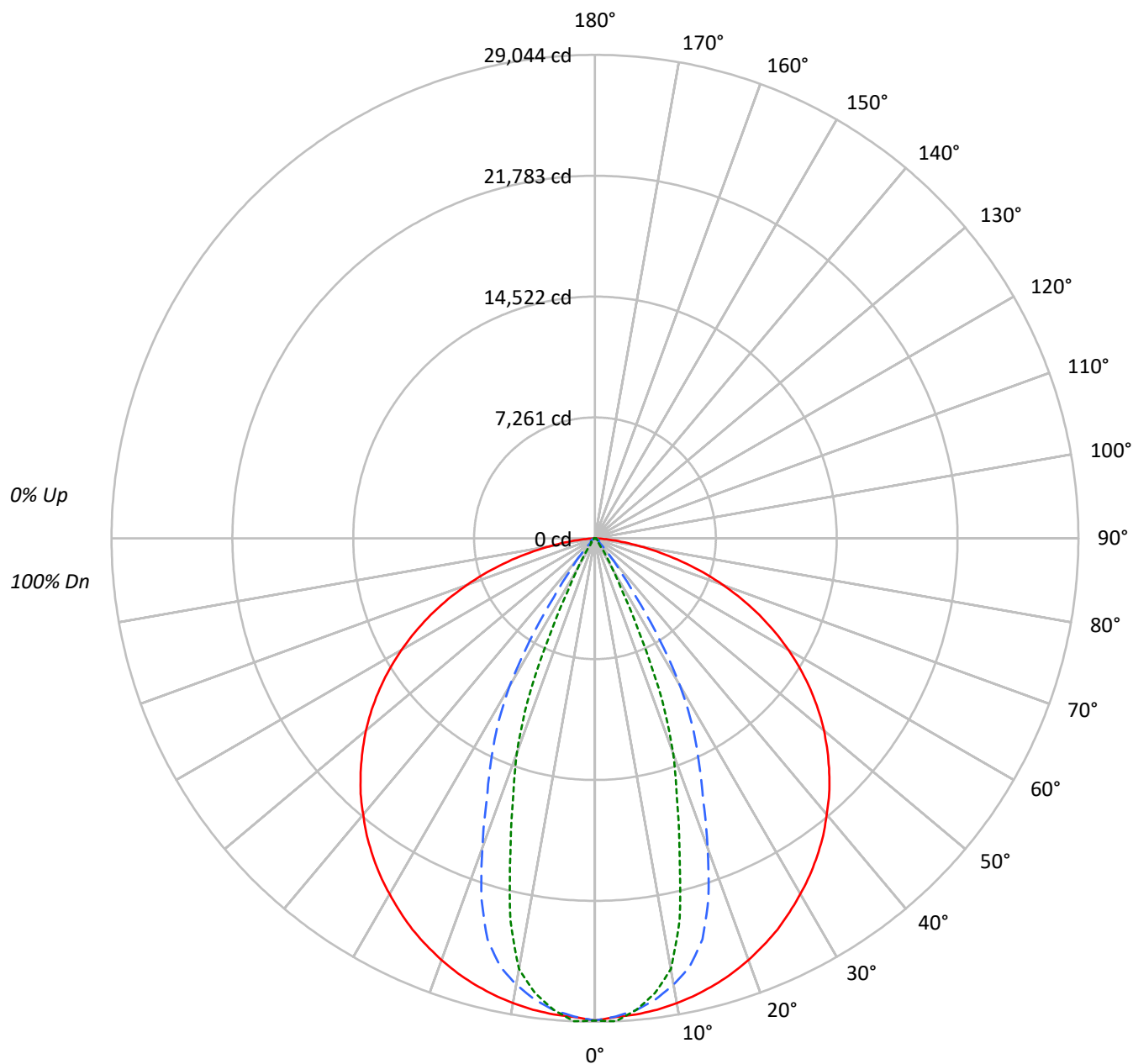
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46780	46780	46780
5°	46530	46119	46099
10°	46501	44641	43075
15°	46435	41705	32782
20°	46327	33998	23597
25°	46209	26288	11624
30°	46005	19105	3770
35°	45896	8476	970
40°	45656	3442	654
45°	45451	966	696
50°	45098	685	772
55°	44448	815	330
60°	43350	908	201
65°	41568	579	237
70°	38617	514	293
75°	33782	387	404
80°	25259	474	577
85°	12512	611	765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2688.8	8.7
10°-20°	6723.3	21.8
20°-30°	7282.3	23.6
30°-40°	5392.9	17.5
40°-50°	3884.3	12.6
50°-60°	2405.1	7.8
60°-70°	1479.1	4.8
70°-80°	779.7	2.5
80°-90°	159.6	0.5
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°	16694.4	54.2
0°-40°	22087.2	71.7
0°-60°	28376.6	92.1
0°-90°	30795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30795.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28973	28973	28973	28973	28973	
5°	28709	28815	28455	28476	28443	###
15°	27780	27135	24950	21218	19612	7842
25°	25938	23759	14756	9283	6525	11952
35°	23285	16416	4300	1012	492	14568
45°	19905	9248	423	306	305	15351
55°	15790	1905	289	262	117	14096
65°	10880	201	152	96	62	10735
75°	5415	47	62	81	65	5720
85°	675	18	33	50	41	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28973.3	28973.3	28973.3	28973.3	28973.3
2.5°	28787.3	28970.7	28754.2	28915.5	29043.6
5°	28708.7	28814.8	28455.1	28475.7	28442.7
7.5°	28570.8	28546.1	27941.0	27676.4	27560.6
10°	28362.8	28198.7	27228.5	26675.7	26273.3
12.5°	28094.0	27727.4	26339.5	24582.1	23490.5
15°	27779.7	27134.7	24950.1	21217.7	19611.9
17.5°	27404.8	26491.0	22678.6	17782.9	16349.5
20°	26962.4	25772.9	19786.9	15129.7	13733.5
22.5°	26468.9	24899.1	16978.0	12574.3	10582.6
25°	25938.3	23759.3	14756.1	9282.9	6524.9
27.5°	25325.0	22294.1	12672.1	5467.8	3330.0
30°	24675.8	20529.8	10247.6	2941.3	2022.0
32.5°	24021.1	18529.9	7251.3	1837.3	1146.7
35°	23285.1	16415.6	4300.3	1011.7	492.1
37.5°	22517.3	14477.7	2541.6	460.4	315.6
40°	21661.5	12706.6	1633.2	305.9	310.1
42.5°	20834.5	11055.4	919.4	301.8	307.4
45°	19905.4	9248.4	423.1	305.9	304.6
47.5°	18944.8	7375.2	274.2	308.7	308.7
50°	17953.9	5273.5	272.9	315.6	307.4
52.5°	16907.7	3290.1	284.0	314.3	252.3
55°	15789.9	1904.8	289.4	261.8	117.2
57.5°	14632.1	1123.3	292.2	150.2	66.2
60°	13424.6	621.6	281.2	111.6	62.1
62.5°	12180.0	296.3	221.9	104.8	60.6
65°	10880.3	201.2	151.6	96.4	62.1
67.5°	9531.0	155.7	119.9	91.0	63.4
70°	8180.2	115.7	108.9	91.0	62.1
72.5°	6807.5	78.6	91.0	92.3	62.1
75°	5415.3	46.9	62.1	81.4	64.7
77.5°	4035.6	28.9	48.2	84.0	78.6
80°	2716.6	24.8	51.0	78.6	62.1
82.5°	1594.8	22.1	49.7	60.6	49.7
85°	675.4	18.0	33.0	49.7	41.3
87.5°	126.8	15.2	26.2	40.0	35.8
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)