

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: P730822

Luminaire Tested: **HBLED-LD5-30HE-N-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730822
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-L750
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32492.0 lumens
Efficiency: N/A
Efficacy: 181.5 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

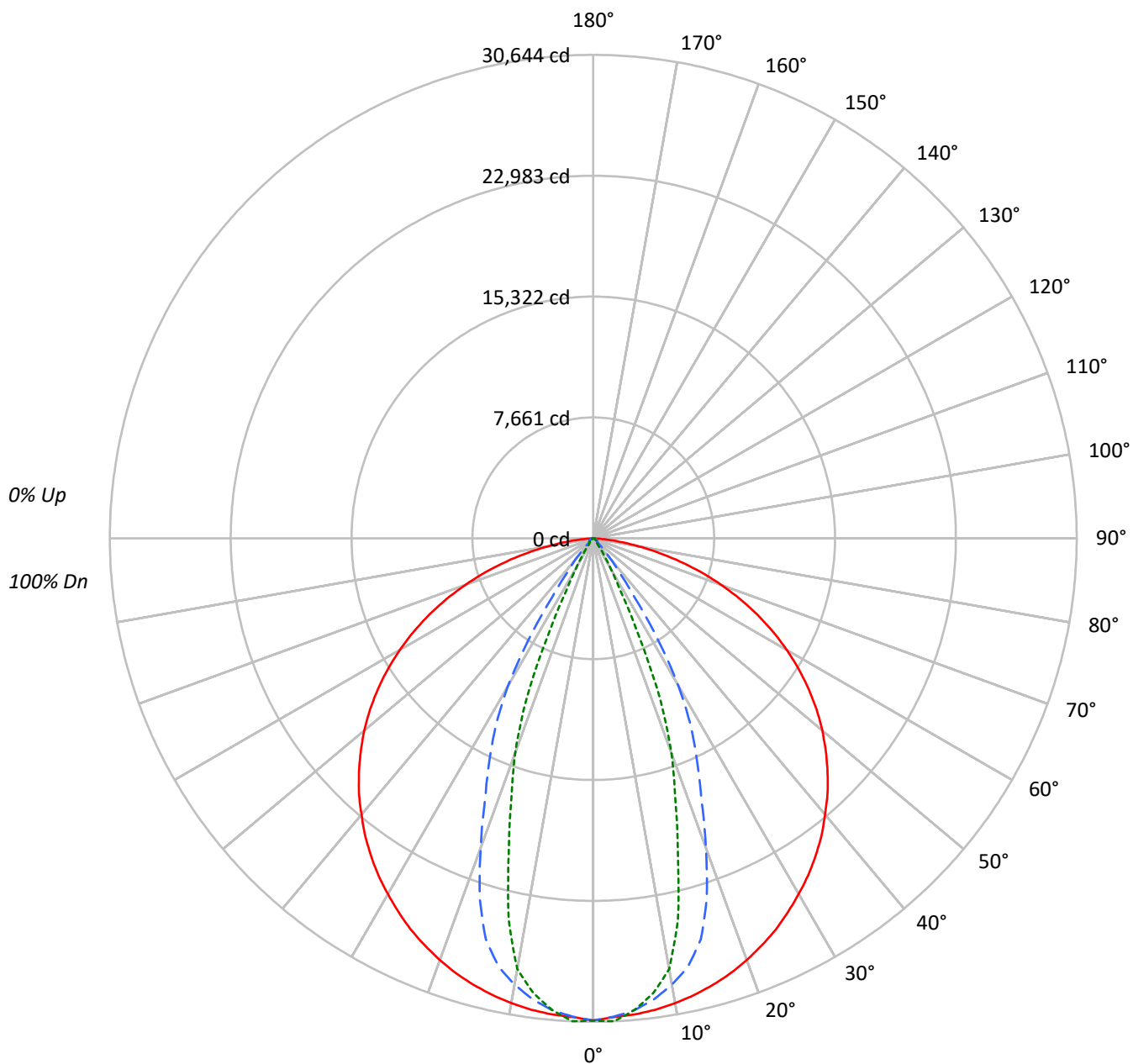
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	49358	49358	49358
5°	49094	48660	48639
10°	49063	47101	45449
15°	48994	44003	34589
20°	48880	35872	24897
25°	48756	27737	12265
30°	48540	20158	3977
35°	48425	8943	1023
40°	48172	3632	689
45°	47956	1019	734
50°	47583	723	815
55°	46897	860	348
60°	45739	958	212
65°	43858	611	250
70°	40745	542	309
75°	35644	409	426
80°	26651	500	609
85°	13201	647	808



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2836.9	8.7
10°-20°	7093.8	21.8
20°-30°	7683.6	23.6
30°-40°	5690.0	17.5
40°-50°	4098.3	12.6
50°-60°	2537.6	7.8
60°-70°	1560.6	4.8
70°-80°	822.7	2.5
80°-90°	168.4	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°	17614.3	54.2
0°-40°	23304.3	71.7
0°-60°	29940.3	92.1
0°-90°	32492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30570	30570	30570	30570	30570	
5°	30291	30403	30023	30045	30010	###
15°	29311	28630	26325	22387	20693	8274
25°	27368	25068	15569	9794	6884	12610
35°	24568	17320	4537	1067	519	15370
45°	21002	9758	446	323	321	16197
55°	16660	2010	305	276	124	14872
65°	11480	212	160	102	66	11327
75°	5714	50	66	86	68	6035
85°	713	19	35	52	44	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	30569.9	30569.9	30569.9	30569.9	30569.9
2.5°	30373.6	30567.1	30338.8	30508.9	30644.1
5°	30290.7	30402.7	30023.2	30044.9	30010.1
7.5°	30145.3	30119.1	29480.7	29201.5	29079.4
10°	29925.8	29752.6	28728.9	28145.8	27721.1
12.5°	29642.2	29255.3	27790.9	25936.7	24785.0
15°	29310.6	28630.0	26325.0	22386.9	20692.6
17.5°	28915.0	27950.8	23928.3	18762.8	17250.5
20°	28448.2	27193.1	20877.3	15963.4	14490.3
22.5°	27927.5	26271.2	17913.6	13267.2	11165.8
25°	27367.7	25068.5	15569.2	9794.4	6884.4
27.5°	26720.6	23522.6	13370.5	5769.1	3513.5
30°	26035.6	21661.1	10812.4	3103.3	2133.4
32.5°	25344.8	19551.0	7650.8	1938.5	1209.9
35°	24568.3	17320.2	4537.2	1067.4	519.2
37.5°	23758.2	15275.6	2681.6	485.8	333.0
40°	22855.2	13406.9	1723.2	322.8	327.1
42.5°	21982.6	11664.6	970.0	318.4	324.3
45°	21002.3	9758.0	446.4	322.8	321.4
47.5°	19988.7	7781.7	289.3	325.7	325.7
50°	18943.2	5564.1	287.9	333.0	324.3
52.5°	17839.4	3471.4	299.6	331.6	266.2
55°	16660.0	2009.8	305.4	276.3	123.7
57.5°	15438.4	1185.2	308.3	158.5	69.8
60°	14164.4	655.8	296.6	117.8	65.5
62.5°	12851.2	312.7	234.1	110.6	63.9
65°	11479.9	212.3	159.9	101.7	65.5
67.5°	10056.2	164.3	126.5	96.0	66.9
70°	8631.0	122.1	114.9	96.0	65.5
72.5°	7182.6	82.9	96.0	97.4	65.5
75°	5713.7	49.5	65.5	85.9	68.3
77.5°	4258.0	30.5	50.9	88.7	82.9
80°	2866.3	26.1	53.8	82.9	65.5
82.5°	1682.6	23.3	52.4	63.9	52.4
85°	712.6	19.0	34.9	52.4	43.6
87.5°	133.8	16.0	27.7	42.2	37.8
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)