

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: P730816

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-CLI-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30063.0 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

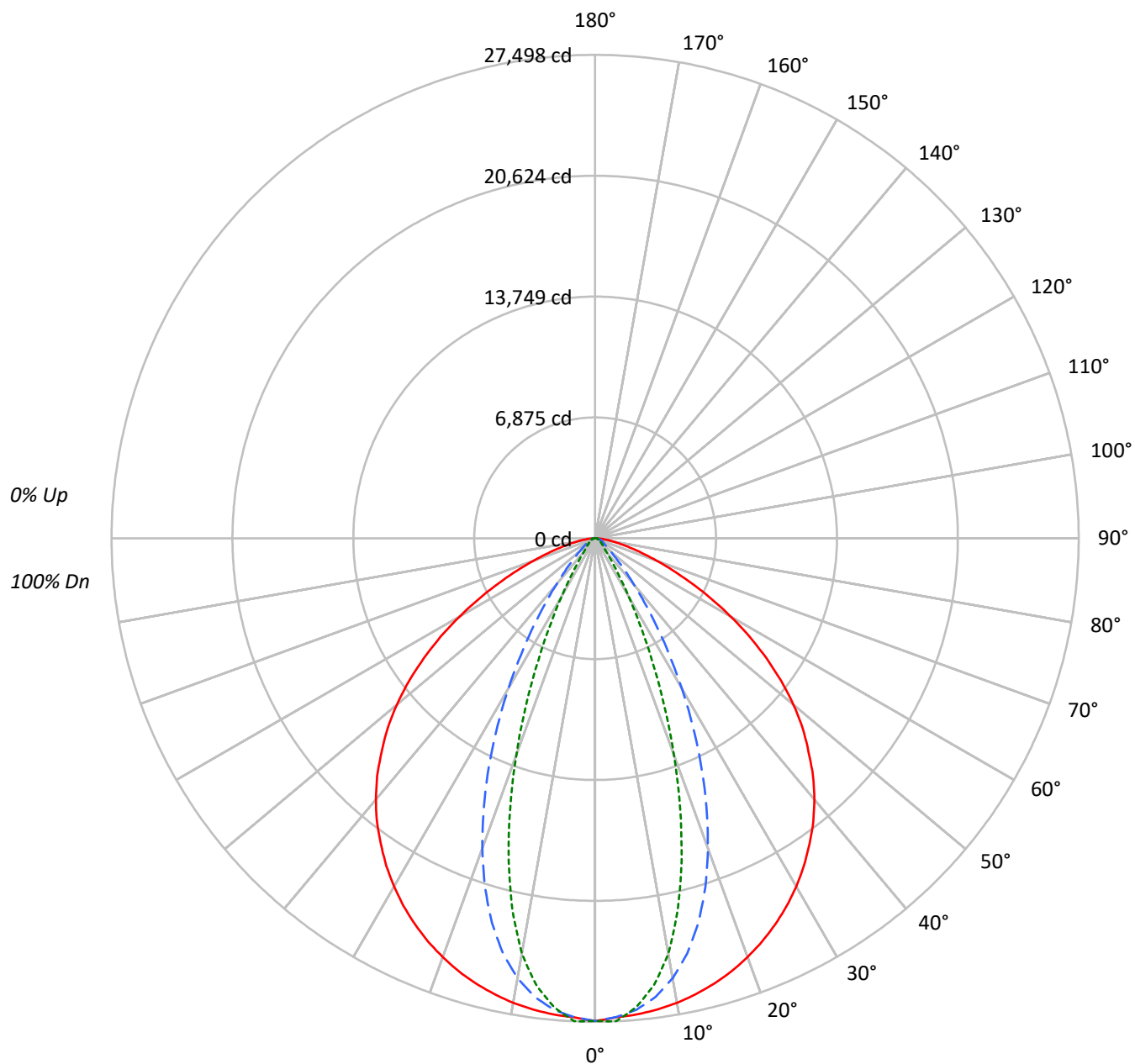
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	63	84	75	68	63	73	67	62		71	66	62		69
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65
7	76	65	58	53	75	64	58	53	63	57	52		62	56	52		60
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44337	44337	44337
5°	44070	43632	43403
10°	43997	41656	39309
15°	43820	37865	31746
20°	43557	32220	22500
25°	43167	25406	13594
30°	42643	18336	6987
35°	41873	11988	3489
40°	40880	7201	2036
45°	39182	4300	1523
50°	36955	2812	1279
55°	33446	2133	1116
60°	28742	1817	1018
65°	23119	1658	961
70°	17418	1775	956
75°	12812	1687	983
80°	9373	1680	1077
85°	7021	2038	1393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2528.9	8.4
10°-20°	6291.5	20.9
20°-30°	6968.8	23.2
30°-40°	5583.2	18.6
40°-50°	3985.7	13.3
50°-60°	2560.1	8.5
60°-70°	1387.4	4.6
70°-80°	593.0	2.0
80°-90°	164.5	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°	15789.2	52.5
0°-40°	21372.4	71.1
0°-60°	27918.2	92.9
0°-90°	30063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27460	27460	27460	27460	27460	
5°	27191	27293	26921	26836	26779	###
15°	26215	25395	22653	20019	18992	7397
25°	24231	21365	14261	9291	7631	11163
35°	21244	15366	6082	2453	1770	13283
45°	17160	8870	1883	801	667	13226
55°	11882	3966	758	466	396	10589
65°	6052	1628	434	299	252	6060
75°	2054	596	270	188	158	2282
85°	379	158	110	91	75	463
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27460.3	27460.3	27460.3	27460.3	27460.3
2.5°	27279.6	27450.3	27266.5	27380.8	27497.9
5°	27191.3	27292.7	26920.8	26835.5	26779.2
7.5°	27038.0	27009.1	26310.6	25857.8	25639.3
10°	26835.5	26601.2	25407.9	24412.9	23976.1
12.5°	26546.3	26063.2	24185.8	22438.6	21698.1
15°	26215.0	25395.0	22652.7	20019.0	18992.0
17.5°	25818.7	24613.9	20820.1	17424.2	16068.9
20°	25350.1	23671.0	18751.9	14667.4	13095.2
22.5°	24826.6	22583.3	16537.5	11919.3	10233.0
25°	24230.7	21365.4	14261.1	9291.4	7630.9
27.5°	23587.1	20013.2	11997.5	6942.5	5428.1
30°	22872.5	18549.4	9835.1	5005.9	3747.5
32.5°	22093.0	16993.2	7826.3	3520.4	2563.0
35°	21244.0	15366.1	6081.8	2453.0	1770.3
37.5°	20374.7	13705.6	4593.6	1734.1	1269.9
40°	19395.5	12050.9	3416.3	1269.9	966.1
42.5°	18344.1	10428.2	2528.3	977.7	782.5
45°	17159.5	8870.4	1883.2	801.3	666.8
47.5°	16011.1	7418.4	1430.4	682.7	580.0
50°	14712.3	6108.0	1119.5	595.9	509.1
52.5°	13333.9	4955.2	908.3	525.0	448.4
55°	11881.7	3965.8	757.8	465.7	396.3
57.5°	10410.8	3141.4	648.0	415.0	353.0
60°	8900.8	2512.3	562.6	371.7	315.2
62.5°	7427.0	2009.0	491.7	334.1	282.1
65°	6051.5	1628.5	433.9	299.4	251.6
67.5°	4780.1	1287.3	405.0	269.0	227.1
70°	3689.6	1002.3	376.1	240.1	202.5
72.5°	2795.7	769.5	332.7	214.1	179.4
75°	2053.7	595.9	270.5	188.0	157.6
77.5°	1469.5	458.6	219.8	163.4	136.0
80°	1008.1	341.4	180.7	140.3	115.8
82.5°	655.3	241.6	146.1	115.8	95.4
85°	379.0	157.6	110.0	91.1	75.2
87.5°	163.4	86.7	75.2	68.0	57.8
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)