

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: P730815

Luminaire Tested: **HBLED-LD5-30HE-N-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730815
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-L740
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: 29356.0 lumens
Efficiency: N/A
Efficacy: 164.0 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

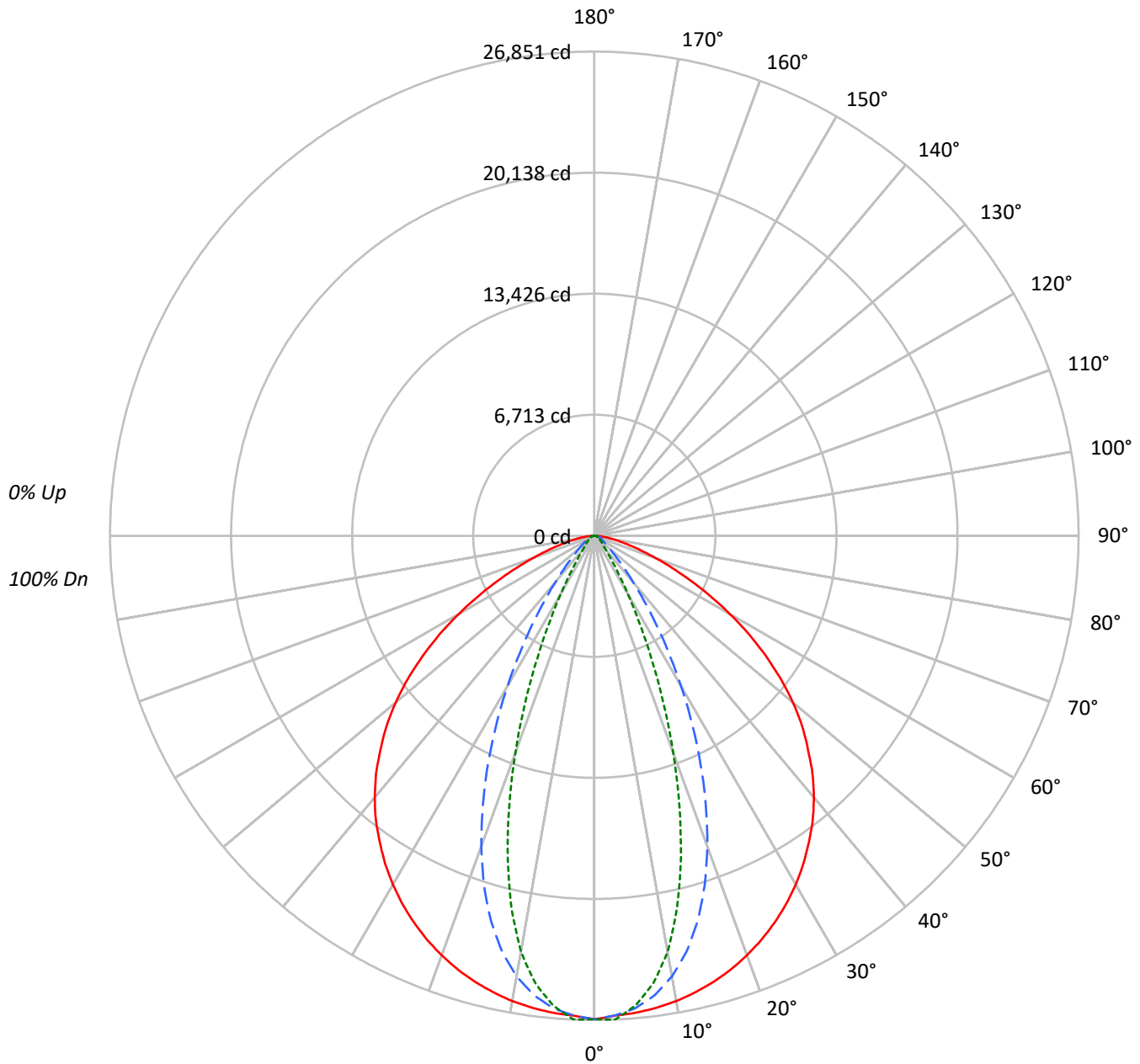
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	75	81	77	74
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43294	43294	43294
5°	43034	42606	42382
10°	42962	40677	38384
15°	42789	36974	30999
20°	42533	31462	21971
25°	42152	24809	13275
30°	41640	17905	6822
35°	40888	11706	3407
40°	39918	7031	1988
45°	38260	4199	1487
50°	36086	2746	1249
55°	32660	2083	1089
60°	28066	1774	994
65°	22576	1619	939
70°	17008	1733	933
75°	12510	1648	960
80°	9153	1641	1052
85°	6856	1990	1360



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2469.5	8.4
10°-20°	6143.5	20.9
20°-30°	6804.9	23.2
30°-40°	5451.9	18.6
40°-50°	3892.0	13.3
50°-60°	2499.9	8.5
60°-70°	1354.7	4.6
70°-80°	579.1	2.0
80°-90°	160.6	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°	15417.9	52.5
0°-40°	20869.8	71.1
0°-60°	27261.6	92.9
0°-90°	29356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26814	26814	26814	26814	26814	
5°	26552	26651	26288	26204	26149	###
15°	25598	24798	22120	19548	18545	7223
25°	23661	20863	13926	9073	7452	10900
35°	20744	15005	5939	2395	1729	12970
45°	16756	8662	1839	782	651	12915
55°	11602	3873	740	455	387	10340
65°	5909	1590	424	292	246	5917
75°	2005	582	264	184	154	2228
85°	370	154	107	89	73	452
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26814.5	26814.5	26814.5	26814.5	26814.5
2.5°	26638.0	26804.7	26625.3	26736.8	26851.2
5°	26551.9	26650.8	26287.7	26204.4	26149.4
7.5°	26402.1	26373.9	25691.8	25249.7	25036.4
10°	26204.4	25975.6	24810.4	23838.8	23412.3
12.5°	25922.0	25450.3	23617.0	21910.9	21187.9
15°	25598.5	24797.8	22119.9	19548.2	18545.4
17.5°	25211.5	24035.1	20330.5	17014.4	15691.0
20°	24754.0	23114.3	18310.9	14322.5	12787.2
22.5°	24242.8	22052.2	16148.6	11639.0	9992.3
25°	23660.8	20863.0	13925.7	9072.9	7451.5
27.5°	23032.4	19542.5	11715.4	6779.2	5300.4
30°	22334.6	18113.2	9603.8	4888.2	3659.4
32.5°	21573.4	16593.6	7642.2	3437.6	2502.7
35°	20744.4	15004.7	5938.8	2395.3	1728.7
37.5°	19895.5	13383.3	4485.6	1693.3	1240.1
40°	18939.4	11767.5	3336.0	1240.1	943.4
42.5°	17912.7	10182.9	2468.8	954.7	764.1
45°	16755.9	8661.8	1838.9	782.5	651.2
47.5°	15634.6	7243.9	1396.8	666.6	566.3
50°	14366.3	5964.3	1093.1	581.9	497.1
52.5°	13020.3	4838.7	886.9	512.7	437.8
55°	11602.3	3872.6	740.0	454.8	387.0
57.5°	10166.0	3067.5	632.7	405.3	344.7
60°	8691.5	2453.2	549.4	362.9	307.8
62.5°	7252.4	1961.8	480.2	326.2	275.4
65°	5909.2	1590.2	423.7	292.4	245.7
67.5°	4667.7	1257.0	395.5	262.7	221.8
70°	3602.8	978.7	367.2	234.4	197.7
72.5°	2730.0	751.4	324.9	209.0	175.2
75°	2005.4	581.9	264.1	183.6	153.9
77.5°	1435.0	447.8	214.7	159.6	132.8
80°	984.4	333.4	176.5	137.0	113.1
82.5°	639.9	235.9	142.6	113.1	93.1
85°	370.1	153.9	107.4	89.0	73.4
87.5°	159.6	84.7	73.4	66.4	56.5
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)