

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: P730846

Luminaire Tested: **HBLED-LD5-30HE-W-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-CL-WG-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29928.0 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

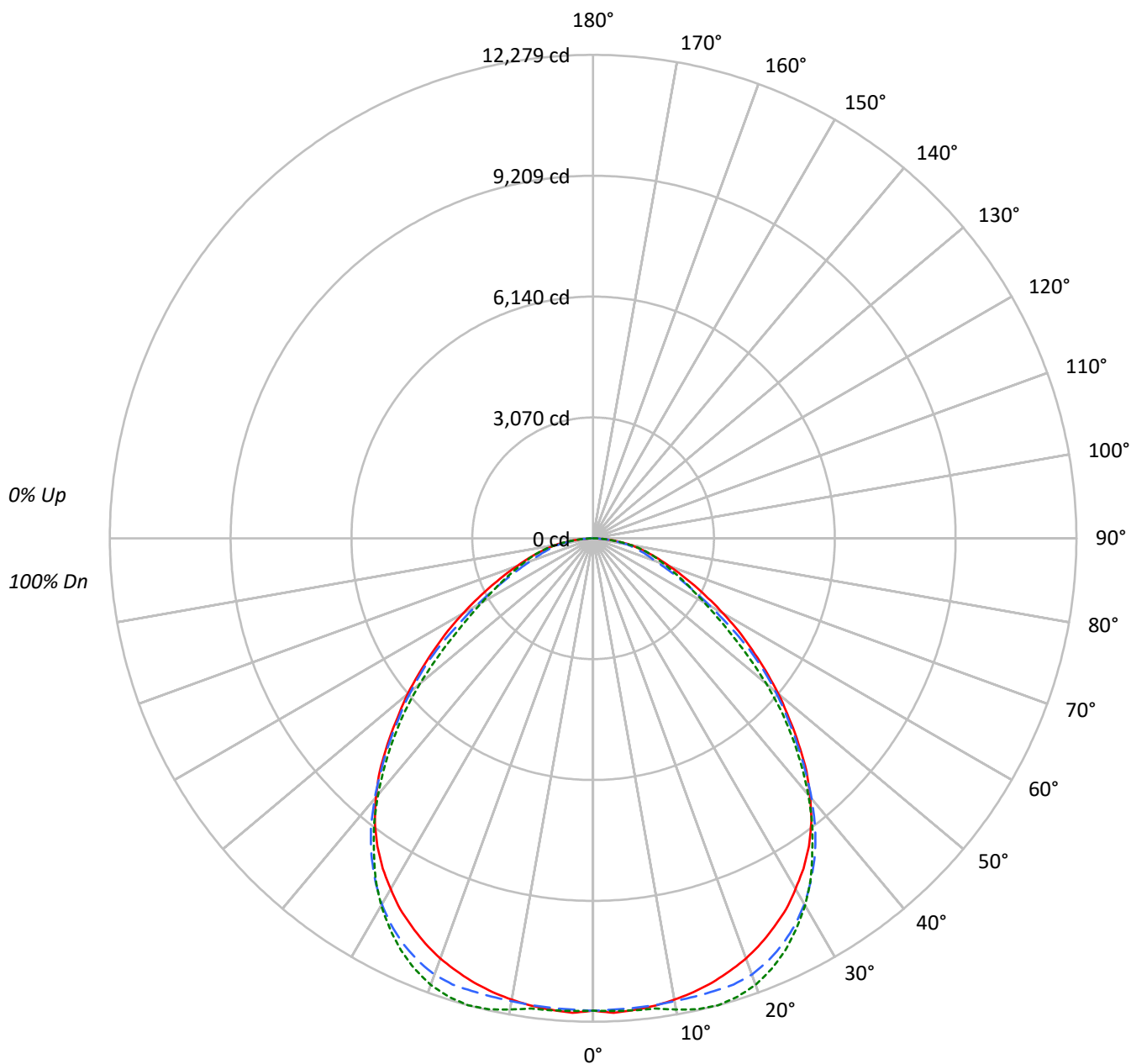
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730846

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L750

Luminous Intensity Polar Plot





TEST NUMBER: P730846

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L750

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19376	19376	19376
5°	19490	19409	19505
10°	19507	19573	19923
15°	19531	19899	20525
20°	19518	20263	20736
25°	19399	20281	20579
30°	19176	20013	20076
35°	18833	19364	19132
40°	18091	18201	17914
45°	16856	16679	16340
50°	15433	15184	14407
55°	13862	13348	12181
60°	12294	11044	10515
65°	10832	9177	9543
70°	9688	7963	9089
75°	9075	7743	9191
80°	8835	7828	8749
85°	7053	6193	6421



TEST NUMBER: P730846

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L750

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1143.1	3.8
10°-20°	3367.2	11.3
20°-30°	5180.0	17.3
30°-40°	6045.4	20.2
40°-50°	5617.8	18.8
50°-60°	4164.1	13.9
60°-70°	2545.6	8.5
70°-80°	1450.0	4.8
80°-90°	414.7	1.4
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°	9690.4	32.4
0°-40°	15735.8	52.6
0°-60°	25517.7	85.3
0°-90°	29928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29928.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12000	12000	12000	12000	12000	
5°	12025	11969	11975	11966	12034	###
15°	11685	11678	11904	12140	12279	3298
25°	10889	10973	11384	11480	11551	5016
35°	9555	9629	9824	9744	9707	5954
45°	7382	7426	7305	7190	7156	5688
55°	4924	4801	4742	4404	4327	4419
65°	2835	2575	2402	2467	2498	2837
75°	1455	1365	1241	1415	1473	1557
85°	381	371	334	347	347	439
90°	0	0	0	0	0	



TEST NUMBER: P730846

CATALOG NUMBER: HBLED-LD5-30HE-W-CL-WG-UNV-L750

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12000.3	12000.3	12000.3	12000.3	12000.3
2.5°	12065.3	11997.2	11984.7	11957.0	12018.8
5°	12025.1	11969.3	11975.4	11966.3	12034.4
7.5°	11978.6	11938.4	11963.1	11960.0	12049.8
10°	11898.2	11876.4	11938.4	12006.5	12152.0
12.5°	11808.3	11786.7	11922.9	12096.2	12254.1
15°	11684.6	11678.3	11904.3	12139.5	12278.9
17.5°	11529.8	11539.1	11882.6	12083.9	12207.6
20°	11359.6	11375.0	11792.9	11957.0	12068.4
22.5°	11139.8	11192.5	11619.5	11755.7	11842.4
25°	10889.0	10972.6	11384.3	11480.3	11551.4
27.5°	10619.8	10703.4	11093.3	11142.8	11183.2
30°	10285.5	10403.1	10734.3	10740.5	10768.3
32.5°	9945.0	10050.3	10304.1	10276.2	10282.3
35°	9555.0	9629.3	9824.3	9743.9	9706.7
37.5°	9106.2	9146.4	9270.2	9149.6	9143.3
40°	8583.1	8635.7	8635.7	8468.6	8499.5
42.5°	8026.0	8044.5	7967.2	7809.3	7834.0
45°	7382.1	7425.5	7304.7	7190.3	7156.2
47.5°	6744.5	6787.8	6660.9	6527.9	6469.1
50°	6144.1	6122.3	6045.1	5819.0	5735.5
52.5°	5521.9	5453.8	5422.9	5091.7	4995.7
55°	4924.5	4800.8	4742.0	4404.5	4327.1
57.5°	4370.4	4147.7	4036.2	3773.2	3742.1
60°	3807.2	3556.4	3420.2	3250.0	3256.2
62.5°	3296.5	3033.3	2869.3	2819.8	2841.4
65°	2835.3	2575.2	2402.0	2466.9	2497.8
67.5°	2417.4	2203.8	2008.8	2160.5	2191.4
70°	2052.2	1881.9	1686.9	1909.8	1925.3
72.5°	1748.7	1609.6	1445.5	1655.9	1690.0
75°	1454.8	1365.1	1241.2	1414.6	1473.4
77.5°	1197.8	1126.7	1055.5	1160.8	1225.7
80°	950.2	879.1	841.9	897.6	940.9
82.5°	671.7	625.3	588.1	628.3	650.1
85°	380.7	371.4	334.3	346.6	346.6
87.5°	86.7	99.0	111.4	102.1	86.7
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)