

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: P730838

Luminaire Tested: **HBLED-LD5-30HE-W-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L735
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28845.0 lumens
Efficiency: N/A
Efficacy: 161.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

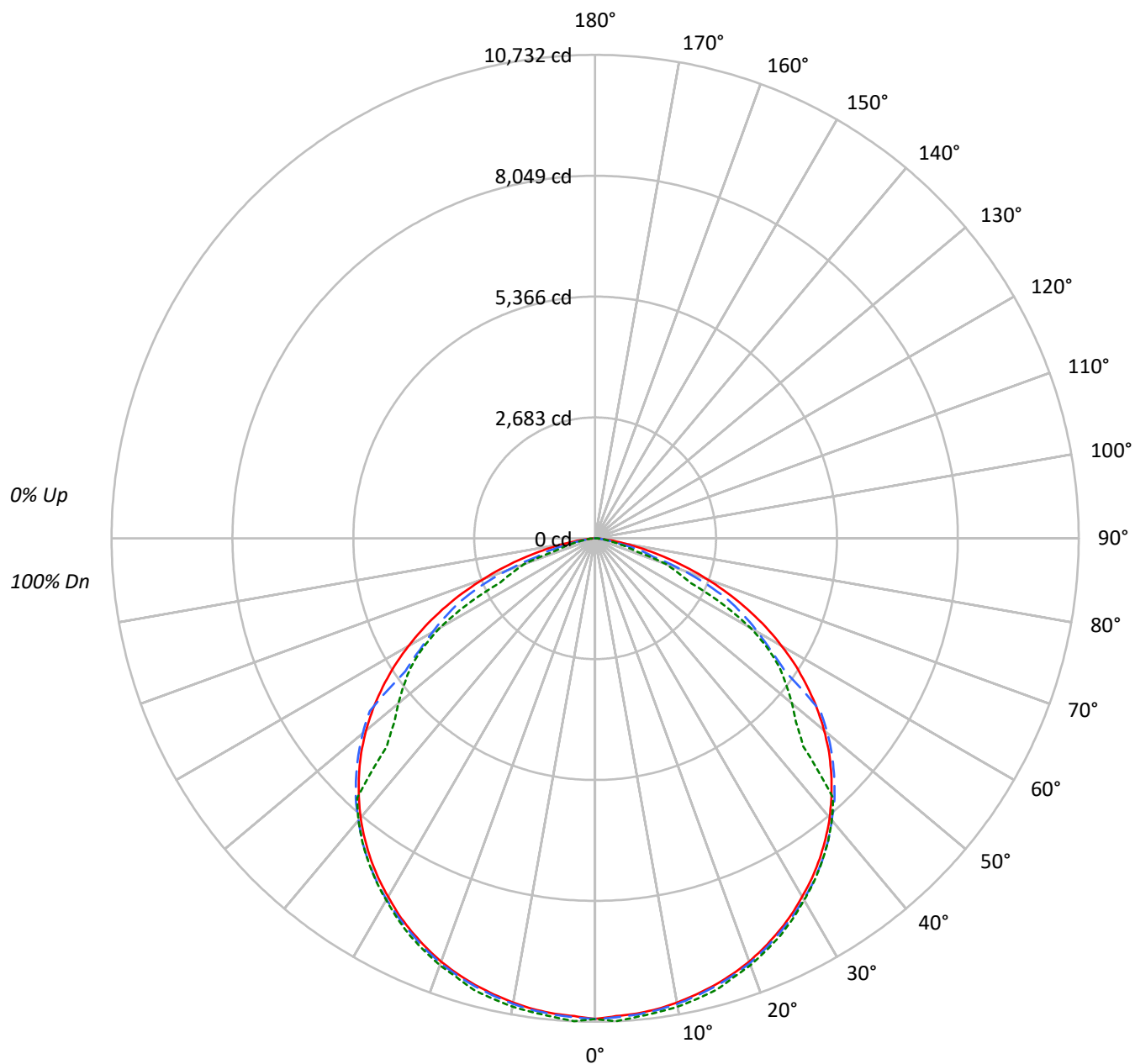
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	98	107	103	100	97		99	96	94		95	93	91		92	90	88
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	89	80	73	67		77	71	66		75	69	65		72	68	64
4	84	73	64	58	82	71	64	57		69	62	57		67	61	56		64	59	55
5	77	65	56	50	75	64	56	50		62	55	49		60	54	49		58	53	48
6	72	59	50	44	70	58	49	43		56	49	43		54	48	43		53	47	42
7	66	53	45	39	65	52	44	38		51	43	38		49	43	38		48	42	38
8	62	48	40	34	60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31	56	44	36	31		43	36	31		42	35	31		41	35	30
10	54	41	33	28	53	40	33	28		40	33	28		39	32	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17227	17227	17227
5°	17164	17202	17286
10°	17163	17212	17312
15°	17162	17214	17353
20°	17183	17248	17328
25°	17164	17228	17332
30°	17131	17257	17296
35°	17123	17279	17292
40°	17070	17220	17220
45°	16923	17128	14924
50°	16662	16913	14319
55°	16189	14478	14065
60°	15430	13458	12850
65°	14269	12492	8899
70°	12425	9721	7929
75°	9815	6524	4263
80°	6317	3116	2657
85°	2599	1903	2093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1012.1	3.5
10°-20°	2917.3	10.1
20°-30°	4472.6	15.5
30°-40°	5481.9	19.0
40°-50°	5635.8	19.5
50°-60°	4809.9	16.7
60°-70°	3179.9	11.0
70°-80°	1178.1	4.1
80°-90°	157.6	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°	8402.0	29.1
0°-40°	13883.8	48.1
0°-60°	24329.5	84.3
0°-90°	28845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10670	10670	10670	10670	10670	
5°	10590	10664	10614	10655	10666	###
15°	10267	10329	10298	10376	10381	2900
25°	9634	9685	9671	9758	9729	4442
35°	8687	8747	8766	8821	8773	5434
45°	7412	7486	7501	7489	6536	5712
55°	5751	5856	5143	4994	4996	5132
65°	3735	3766	3270	2689	2329	3683
75°	1573	1378	1046	703	683	1688
85°	140	100	103	112	113	232
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10669.7	10669.7	10669.7	10669.7	10669.7
2.5°	10617.7	10684.0	10644.9	10694.3	10731.9
5°	10590.4	10664.4	10613.8	10655.3	10665.7
7.5°	10543.7	10612.5	10565.7	10620.3	10612.5
10°	10468.3	10530.6	10498.2	10555.4	10559.2
12.5°	10372.2	10434.5	10404.6	10474.7	10473.4
15°	10266.9	10329.3	10298.0	10376.1	10381.3
17.5°	10143.5	10200.7	10177.2	10248.8	10220.1
20°	10000.6	10049.9	10038.2	10105.8	10085.0
22.5°	9825.2	9875.9	9864.3	9942.2	9910.9
25°	9634.3	9685.0	9670.6	9757.7	9729.1
27.5°	9427.7	9475.7	9474.4	9556.4	9512.2
30°	9188.6	9252.4	9256.3	9329.0	9277.0
32.5°	8952.3	9012.0	9028.9	9082.2	9038.0
35°	8687.2	8746.9	8766.5	8821.1	8773.0
37.5°	8401.4	8452.0	8487.1	8527.4	8489.7
40°	8098.7	8144.1	8170.2	8219.5	8170.2
42.5°	7760.9	7825.9	7862.3	7897.3	7816.8
45°	7411.5	7485.5	7501.1	7489.4	6535.8
47.5°	7041.3	7121.8	7130.9	6218.9	6043.5
50°	6633.3	6734.7	6733.4	5747.2	5700.6
52.5°	6208.5	6306.0	6302.1	5378.3	5347.2
55°	5751.1	5856.4	5143.2	4993.8	4996.4
57.5°	5284.8	5360.1	4614.5	4620.9	4535.2
60°	4778.2	4849.6	4167.6	4127.3	3979.2
62.5°	4270.3	4300.1	3735.0	3538.7	3256.9
65°	3735.0	3766.1	3269.9	2689.2	2329.3
67.5°	3185.5	3216.6	2713.8	2000.7	1973.3
70°	2632.0	2377.4	2059.2	1666.8	1679.7
72.5°	2086.4	1826.6	1345.9	1291.3	932.7
75°	1573.3	1378.3	1045.8	702.8	683.3
77.5°	1095.2	949.6	559.9	479.4	448.2
80°	679.4	476.8	335.1	297.5	285.8
82.5°	344.3	274.2	181.9	181.9	181.9
85°	140.3	100.1	102.7	111.7	113.0
87.5°	29.8	40.3	49.4	50.7	49.4
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)