

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: P730864

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33740.0 lumens
Efficiency: N/A
Efficacy: 188.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

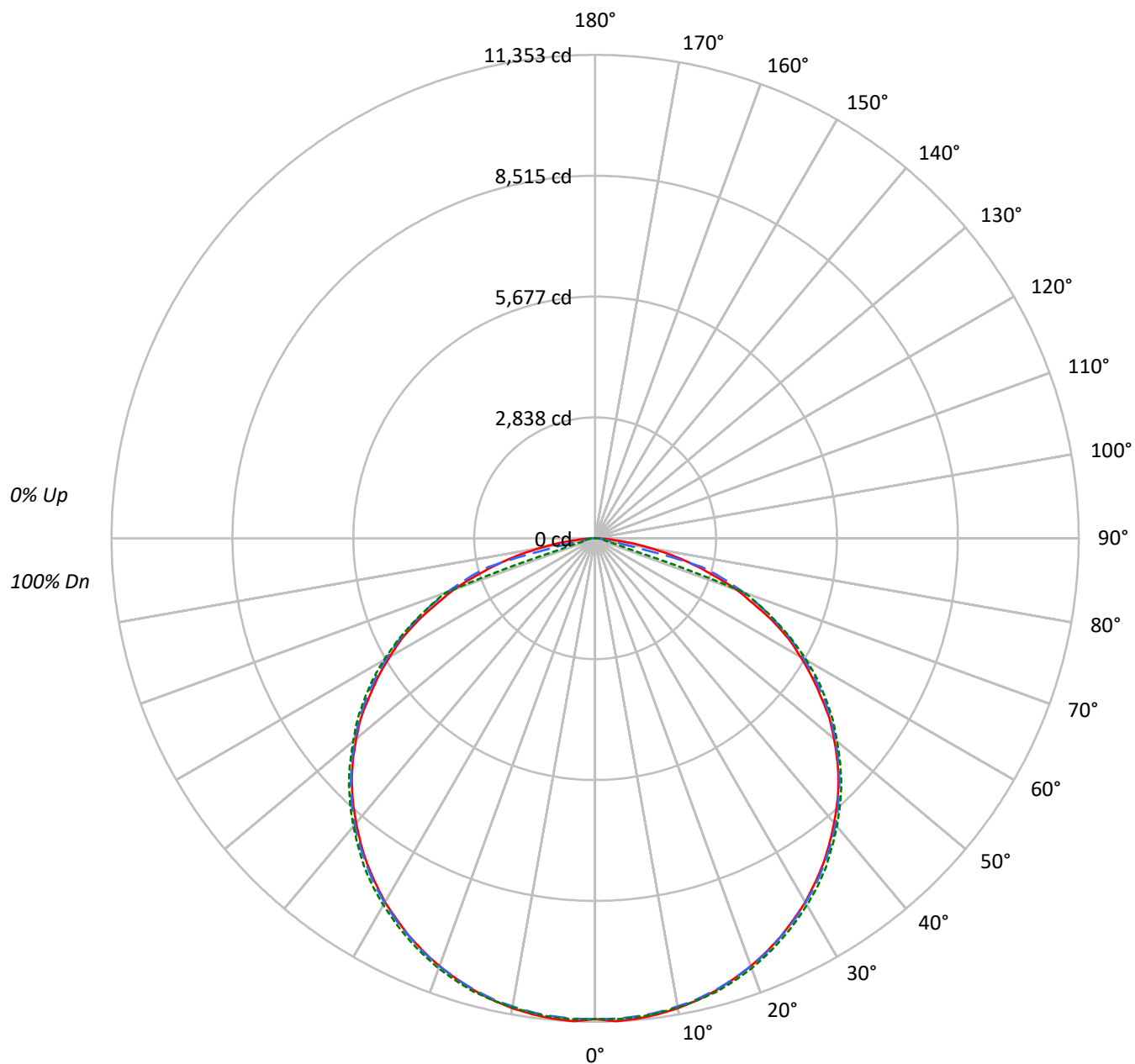
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18229	18229	18229
5°	18360	18266	18299
10°	18370	18304	18341
15°	18368	18343	18427
20°	18366	18371	18466
25°	18375	18384	18496
30°	18395	18419	18541
35°	18392	18452	18605
40°	18395	18511	18612
45°	18446	18515	18665
50°	18391	18498	18618
55°	18188	18443	18641
60°	17982	18274	18501
65°	17584	17949	18084
70°	16694	17406	17620
75°	14890	16145	1946
80°	11973	2011	2128
85°	7968	2608	2657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1072.3	3.2
10°-20°	3098.5	9.2
20°-30°	4760.7	14.1
30°-40°	5860.6	17.4
40°-50°	6248.0	18.5
50°-60°	5840.6	17.3
60°-70°	4623.6	13.7
70°-80°	1967.1	5.8
80°-90°	268.6	0.8
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°	8931.6	26.5
0°-40°	14792.1	43.8
0°-60°	26880.7	79.7
0°-90°	33740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11290	11290	11290	11290	11290	
5°	11328	11278	11270	11225	11290	###
15°	10989	10968	10974	10943	11024	3103
25°	10314	10302	10320	10314	10382	4756
35°	9331	9316	9361	9394	9439	5839
45°	8079	8033	8109	8141	8174	6225
55°	6461	6482	6552	6574	6622	5786
65°	4603	4643	4698	4734	4734	4528
75°	2387	2490	2588	422	312	2525
85°	430	128	141	146	143	561
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11290.4	11290.4	11290.4	11290.4	11290.4
2.5°	11353.2	11300.4	11290.4	11245.1	11305.5
5°	11328.1	11277.8	11270.2	11225.0	11290.4
7.5°	11275.3	11235.0	11230.0	11182.2	11247.6
10°	11204.9	11167.1	11164.6	11121.9	11187.2
12.5°	11109.3	11076.6	11086.6	11043.9	11109.3
15°	10988.6	10968.4	10973.5	10943.3	11023.8
17.5°	10842.7	10832.6	10842.7	10820.0	10893.0
20°	10689.3	10676.7	10691.8	10679.2	10747.1
22.5°	10510.7	10495.6	10525.8	10508.2	10571.0
25°	10314.5	10301.9	10319.5	10314.5	10382.4
27.5°	10090.7	10078.1	10115.8	10118.3	10171.1
30°	9866.8	9849.2	9879.4	9892.0	9944.8
32.5°	9600.2	9595.2	9640.5	9650.5	9705.8
35°	9331.1	9316.0	9361.3	9394.0	9439.2
37.5°	9036.8	9034.3	9082.1	9109.8	9132.4
40°	8727.5	8714.9	8782.8	8810.5	8830.6
42.5°	8413.1	8385.4	8450.8	8486.0	8508.6
45°	8078.6	8033.3	8108.7	8141.4	8174.1
47.5°	7711.4	7671.1	7744.1	7779.3	7801.9
50°	7321.5	7283.8	7364.3	7394.4	7412.1
52.5°	6929.2	6891.4	6976.9	7002.1	7044.8
55°	6461.3	6481.5	6551.9	6574.5	6622.3
57.5°	6028.7	6046.3	6114.3	6141.9	6197.3
60°	5568.5	5596.1	5659.0	5686.7	5729.4
62.5°	5123.3	5125.8	5201.3	5213.8	5246.5
65°	4602.7	4642.9	4698.2	4733.5	4733.5
67.5°	4021.7	4119.8	4215.3	4207.8	4227.9
70°	3536.3	3574.0	3687.2	3704.8	3732.4
72.5°	2927.6	3025.7	3151.4	2354.2	799.8
75°	2386.8	2490.0	2588.1	422.5	311.9
77.5°	1853.6	1934.1	860.2	241.5	236.4
80°	1287.7	1416.0	216.3	221.3	228.9
82.5°	847.6	691.7	178.6	196.2	198.7
85°	430.1	128.3	140.8	145.9	143.4
87.5°	140.8	78.0	80.5	83.0	85.5
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)