

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: P731158

Luminaire Tested: **HBLED-LD5-60HE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731158
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-LD5-60HE-W-UNV-L750
Description: 60000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66728.0 lumens
Efficiency: N/A
Efficacy: 188.0 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

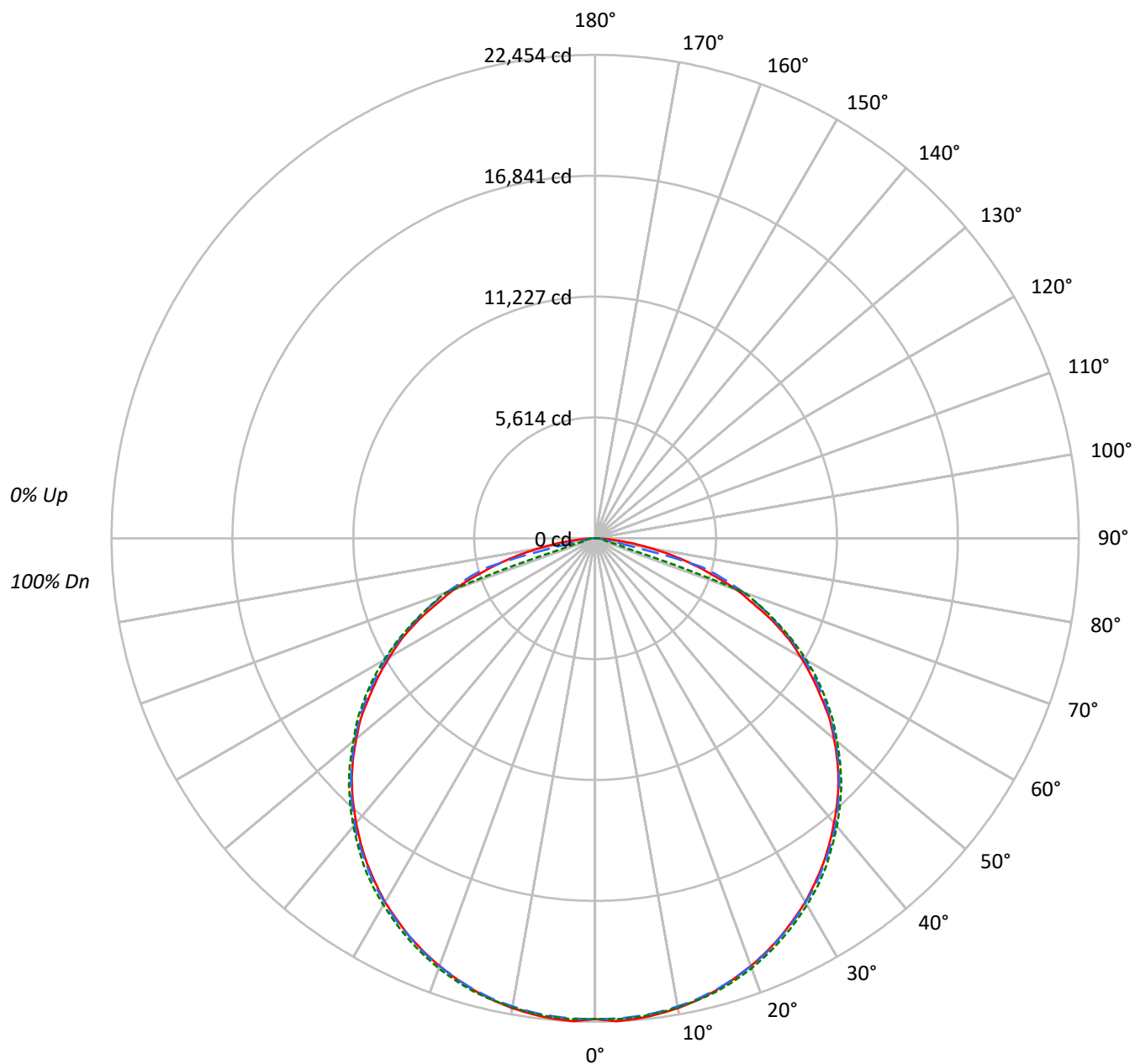
Input Watts (W): 355
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	36052	36052	36052
5°	36311	36125	36190
10°	36331	36201	36274
15°	36326	36277	36443
20°	36323	36332	36520
25°	36341	36359	36580
30°	36381	36427	36668
35°	36374	36492	36796
40°	36380	36610	36809
45°	36482	36618	36913
50°	36371	36584	36821
55°	35971	36475	36867
60°	35562	36141	36590
65°	34777	35499	35765
70°	33015	34424	34847
75°	29448	31930	3848
80°	23680	3978	4209
85°	15758	5161	5252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2120.8	3.2
10°-20°	6128.0	9.2
20°-30°	9415.3	14.1
30°-40°	11590.5	17.4
40°-50°	12356.7	18.5
50°-60°	11551.0	17.3
60°-70°	9144.1	13.7
70°-80°	3890.4	5.8
80°-90°	531.2	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°	17664.0	26.5
0°-40°	29254.6	43.8
0°-60°	53162.3	79.7
0°-90°	66728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	66728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22329	22329	22329	22329	22329	
5°	22404	22304	22289	22200	22329	###
15°	21732	21692	21702	21643	21802	6136
25°	20399	20374	20409	20399	20533	9405
35°	18454	18424	18514	18579	18668	11547
45°	15977	15888	16037	16101	16166	12311
55°	12779	12818	12958	13002	13097	11443
65°	9103	9182	9292	9361	9361	8955
75°	4720	4924	5118	836	617	4994
85°	851	254	279	288	284	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22329.1	22329.1	22329.1	22329.1	22329.1
2.5°	22453.5	22349.0	22329.1	22239.6	22358.9
5°	22403.7	22304.2	22289.3	22199.8	22329.1
7.5°	22299.3	22219.7	22209.7	22115.2	22244.5
10°	22160.0	22085.4	22080.4	21995.8	22125.2
12.5°	21971.0	21906.3	21926.2	21841.6	21971.0
15°	21732.2	21692.4	21702.4	21642.7	21801.8
17.5°	21443.7	21423.8	21443.7	21398.9	21543.2
20°	21140.3	21115.4	21145.2	21120.4	21254.7
22.5°	20787.1	20757.3	20816.9	20782.1	20906.5
25°	20399.1	20374.2	20409.1	20399.1	20533.4
27.5°	19956.4	19931.5	20006.2	20011.1	20115.6
30°	19513.7	19478.9	19538.6	19563.5	19667.9
32.5°	18986.4	18976.5	19066.0	19085.9	19195.4
35°	18454.2	18424.4	18513.9	18578.6	18668.1
37.5°	17872.2	17867.3	17961.8	18016.5	18061.2
40°	17260.4	17235.5	17369.8	17424.6	17464.3
42.5°	16638.6	16583.9	16713.2	16782.9	16827.7
45°	15977.1	15887.5	16036.8	16101.4	16166.1
47.5°	15250.8	15171.3	15315.5	15385.1	15429.9
50°	14479.8	14405.2	14564.4	14624.1	14658.9
52.5°	13703.9	13629.3	13798.4	13848.1	13932.7
55°	12778.7	12818.5	12957.7	13002.5	13097.0
57.5°	11923.1	11957.9	12092.2	12146.9	12256.4
60°	11012.8	11067.6	11191.9	11246.6	11331.2
62.5°	10132.4	10137.4	10286.6	10311.5	10376.1
65°	9102.8	9182.3	9291.8	9361.4	9361.4
67.5°	7953.7	8147.7	8336.7	8321.8	8361.6
70°	6993.7	7068.3	7292.1	7327.0	7381.7
72.5°	5789.9	5983.9	6232.6	4655.8	1581.8
75°	4720.5	4924.4	5118.4	835.7	616.8
77.5°	3666.0	3825.1	1701.2	477.5	467.6
80°	2546.8	2800.5	427.8	437.7	452.7
82.5°	1676.3	1367.9	353.2	388.0	393.0
85°	850.6	253.7	278.6	288.5	283.5
87.5°	278.6	154.2	159.2	164.1	169.1
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)