

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: P731146

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-60HE-W-CLI-UNV-L750
Description: 60000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61990.0 lumens
Efficiency: N/A
Efficacy: 174.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

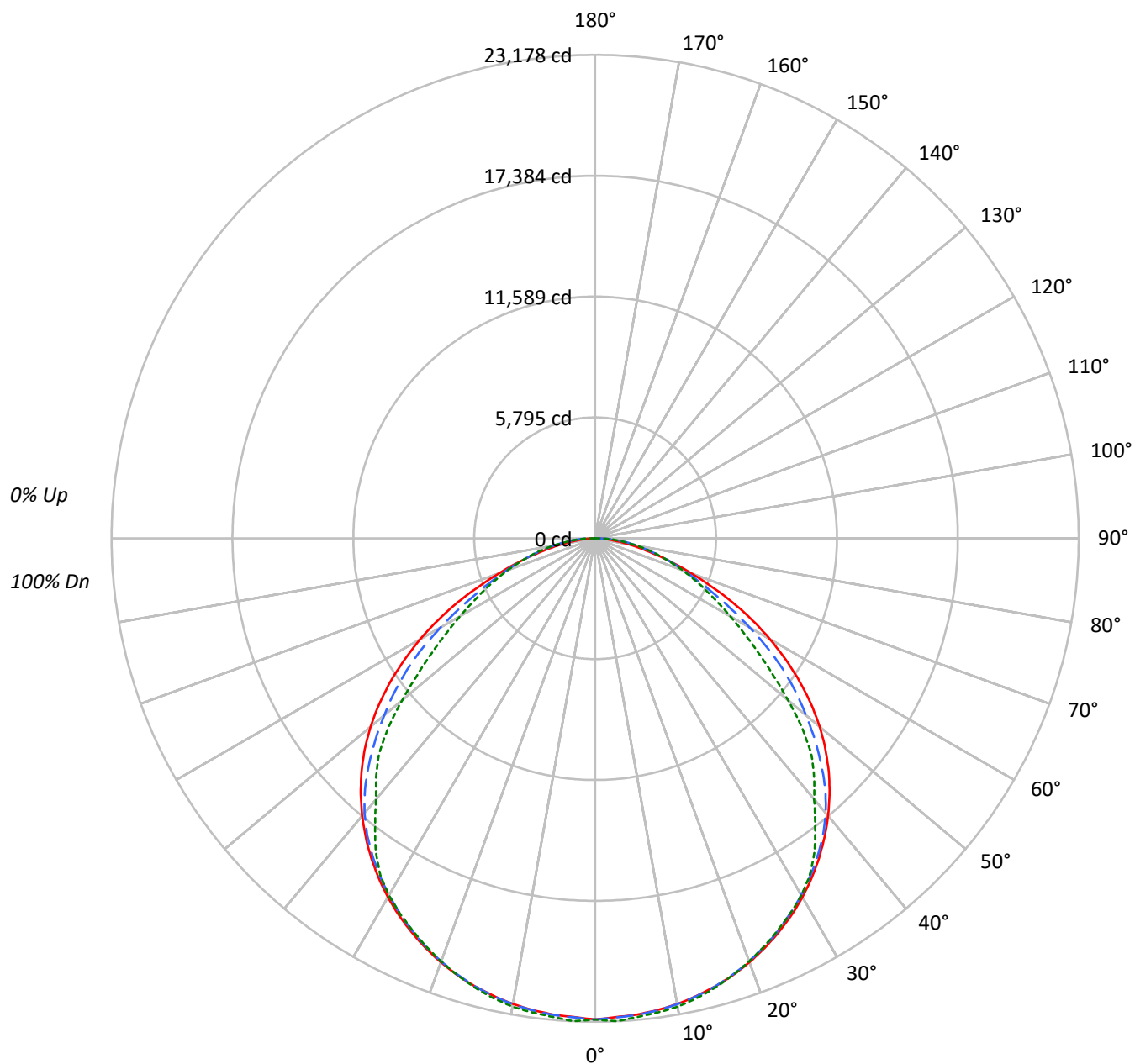
Input Watts (W): 355
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37253	37253	37253
5°	37153	37180	37346
10°	37174	37192	37388
15°	37179	37174	37262
20°	37169	37084	37093
25°	37113	36975	36930
30°	37052	36830	36851
35°	36879	36650	36131
40°	36617	36243	34415
45°	36151	34994	33463
50°	35282	33132	30307
55°	33675	30986	26799
60°	31252	27647	24167
65°	27778	23937	22223
70°	23053	21392	20947
75°	18644	19578	19820
80°	14810	18724	18647
85°	11595	20115	19189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2188.1	3.5
10°-20°	6293.9	10.2
20°-30°	9597.2	15.5
30°-40°	11611.1	18.7
40°-50°	11761.0	19.0
50°-60°	9720.8	15.7
60°-70°	6420.4	10.4
70°-80°	3347.9	5.4
80°-90°	1049.5	1.7
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°	18079.2	29.2
0°-40°	29690.4	47.9
0°-60°	51172.2	82.5
0°-90°	61990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	61990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23073	23073	23073	23073	23073	
5°	22923	23062	22940	23040	23043	###
15°	22242	22356	22239	22309	22292	6281
25°	20832	20915	20755	20807	20730	9606
35°	18710	18735	18594	18569	18331	11703
45°	15832	15791	15326	14849	14655	12191
55°	11963	11786	11008	9938	9520	10663
65°	7271	7060	6265	5858	5817	7181
75°	2989	3041	3138	3180	3177	3256
85°	626	806	1086	1078	1036	760
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23072.9	23072.9	23072.9	23072.9	23072.9
2.5°	22976.2	23111.8	22998.1	23097.9	23178.2
5°	22923.4	23062.1	22940.0	23039.8	23042.6
7.5°	22821.1	22959.5	22834.7	22934.5	22931.7
10°	22674.1	22804.4	22685.2	22804.4	22804.4
12.5°	22474.8	22602.1	22485.9	22596.5	22579.9
15°	22242.2	22355.6	22239.4	22308.6	22291.9
17.5°	21967.9	22070.4	21940.1	21998.2	21965.1
20°	21632.7	21726.9	21583.0	21657.7	21588.2
22.5°	21255.9	21344.5	21197.8	21253.4	21175.5
25°	20832.3	20915.4	20754.8	20807.3	20729.8
27.5°	20375.1	20449.9	20269.8	20333.7	20272.6
30°	19873.8	19909.9	19754.8	19837.9	19765.9
32.5°	19314.3	19336.5	19200.6	19275.4	19153.7
35°	18710.4	18735.4	18594.2	18569.2	18331.0
37.5°	18065.1	18076.2	17943.3	17718.8	17325.5
40°	17372.8	17367.2	17195.4	16677.4	16328.3
42.5°	16632.9	16630.4	16328.3	15738.3	15539.0
45°	15832.5	15791.1	15325.6	14849.3	14655.3
47.5°	14974.0	14929.6	14278.7	13899.3	13458.8
50°	14046.1	13968.5	13190.1	12672.0	12065.6
52.5°	13046.1	12926.9	12134.8	11298.3	10724.9
55°	11963.1	11785.7	11007.6	9938.4	9520.1
57.5°	10835.8	10572.6	9816.4	8775.0	8434.3
60°	9678.0	9384.2	8561.6	7705.9	7484.1
62.5°	8486.8	8196.1	7356.8	6711.5	6589.5
65°	7270.9	7060.3	6265.4	5858.3	5816.9
67.5°	6024.5	5949.7	5343.0	5135.4	5118.7
70°	4883.3	4869.4	4531.5	4426.1	4437.3
72.5°	3902.8	3886.2	3836.4	3783.6	3786.4
75°	2988.7	3041.3	3138.3	3179.7	3177.2
77.5°	2229.7	2337.9	2542.7	2625.8	2611.9
80°	1592.8	1753.4	2013.8	2091.3	2005.5
82.5°	1060.8	1229.8	1537.2	1548.3	1479.1
85°	625.9	806.0	1085.8	1077.5	1035.8
87.5°	310.2	484.7	650.9	623.1	595.6
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)