

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: P731192

Luminaire Tested: **HBLED-LD5-60SE-W-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731192
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-LD5-60SE-W-UNV-L735
Description: 60000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60439.0 lumens
Efficiency: N/A
Efficacy: 164.7 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

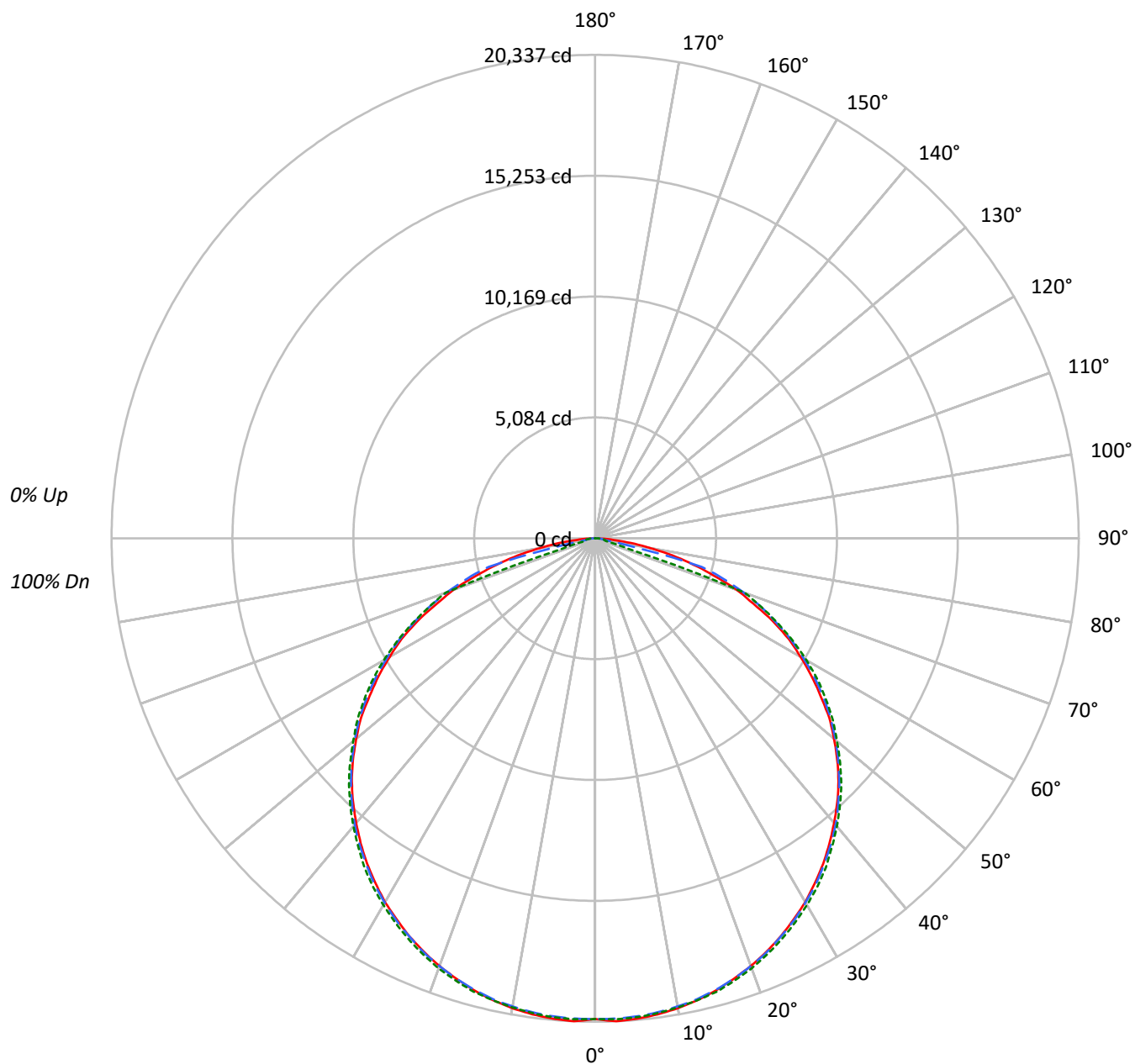
Input Watts (W): 367
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32654	32654	32654
5°	32889	32721	32779
10°	32907	32789	32855
15°	32903	32857	33008
20°	32900	32908	33078
25°	32916	32932	33133
30°	32952	32994	33212
35°	32946	33052	33328
40°	32951	33160	33340
45°	33043	33167	33434
50°	32943	33136	33351
55°	32581	33038	33393
60°	32211	32734	33142
65°	31499	32153	32394
70°	29904	31180	31563
75°	26672	28921	3485
80°	21449	3603	3812
85°	14272	4674	4757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1920.9	3.2
10°-20°	5550.4	9.2
20°-30°	8527.9	14.1
30°-40°	10498.1	17.4
40°-50°	11192.1	18.5
50°-60°	10462.3	17.3
60°-70°	8282.2	13.7
70°-80°	3523.7	5.8
80°-90°	481.2	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°	15999.2	26.5
0°-40°	26497.4	43.8
0°-60°	48151.8	79.7
0°-90°	60439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	60439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20225	20225	20225	20225	20225	
5°	20292	20202	20189	20108	20225	###
15°	19684	19648	19657	19603	19747	5558
25°	18476	18454	18486	18476	18598	8519
35°	16715	16688	16769	16828	16909	10459
45°	14471	14390	14525	14584	14642	11151
55°	11574	11610	11736	11777	11863	10364
65°	8245	8317	8416	8479	8479	8111
75°	4276	4460	4636	757	559	4523
85°	770	230	252	261	257	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20224.6	20224.6	20224.6	20224.6	20224.6
2.5°	20337.3	20242.6	20224.6	20143.5	20251.6
5°	20292.2	20202.1	20188.6	20107.5	20224.6
7.5°	20197.6	20125.5	20116.5	20030.9	20148.0
10°	20071.4	20003.9	19999.3	19922.8	20039.9
12.5°	19900.2	19841.7	19859.7	19783.1	19900.2
15°	19684.0	19647.9	19656.9	19602.9	19747.0
17.5°	19422.7	19404.6	19422.7	19382.1	19512.8
20°	19147.8	19125.3	19152.3	19129.8	19251.5
22.5°	18828.0	18800.9	18855.0	18823.4	18936.1
25°	18476.5	18454.0	18485.5	18476.5	18598.2
27.5°	18075.6	18053.0	18120.6	18125.1	18219.7
30°	17674.6	17643.0	17697.1	17719.6	17814.2
32.5°	17197.0	17188.0	17269.1	17287.1	17386.2
35°	16714.9	16687.9	16769.0	16827.6	16908.7
37.5°	16187.8	16183.3	16268.9	16318.5	16359.0
40°	15633.6	15611.1	15732.8	15782.3	15818.4
42.5°	15070.5	15020.9	15138.1	15201.1	15241.7
45°	14471.3	14390.2	14525.3	14583.9	14642.5
47.5°	13813.5	13741.4	13872.0	13935.1	13975.7
50°	13115.1	13047.6	13191.7	13245.8	13277.3
52.5°	12412.3	12344.7	12497.9	12543.0	12619.5
55°	11574.3	11610.3	11736.5	11777.0	11862.6
57.5°	10799.4	10830.9	10952.6	11002.1	11101.2
60°	9974.9	10024.5	10137.1	10186.6	10263.2
62.5°	9177.4	9181.9	9317.1	9339.6	9398.2
65°	8244.8	8316.9	8416.0	8479.1	8479.1
67.5°	7204.1	7379.8	7551.0	7537.5	7573.5
70°	6334.6	6402.1	6604.9	6636.4	6686.0
72.5°	5244.3	5420.0	5645.2	4217.0	1432.7
75°	4275.6	4460.3	4636.0	756.9	558.7
77.5°	3320.5	3464.6	1540.8	432.5	423.5
80°	2306.8	2536.5	387.5	396.5	410.0
82.5°	1518.3	1239.0	319.9	351.4	355.9
85°	770.4	229.8	252.3	261.3	256.8
87.5°	252.3	139.7	144.2	148.7	153.2
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)