

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: P730263

Luminaire Tested: **HBLED-LD5-12HE-W-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730263
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-LD5-12HE-W-CL-UNV-L740
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11785.0 lumens
Efficiency: N/A
Efficacy: 162.1 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

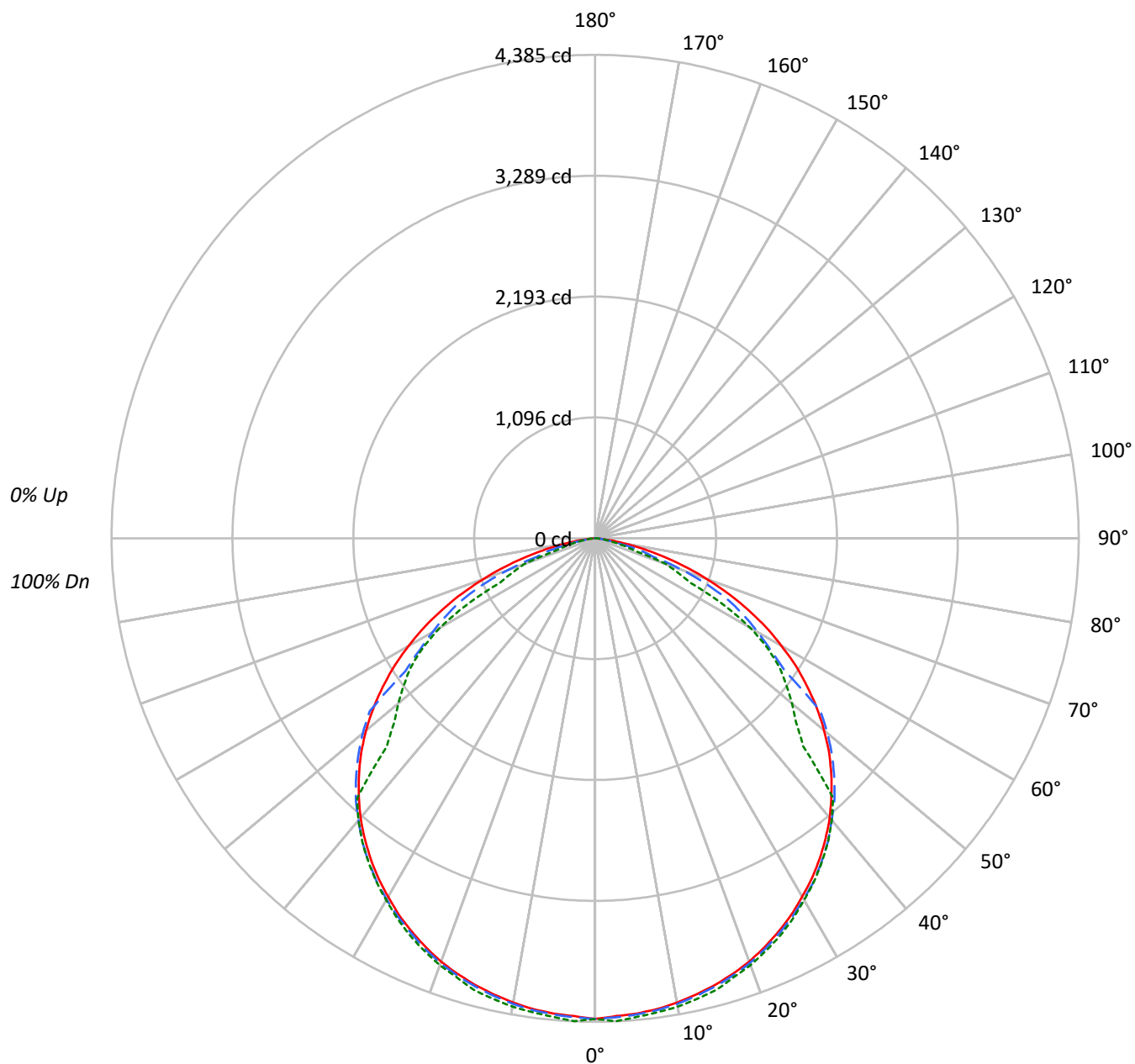
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7038	7038	7038
5°	7013	7028	7063
10°	7012	7032	7073
15°	7012	7033	7090
20°	7020	7047	7080
25°	7012	7039	7081
30°	6999	7051	7066
35°	6996	7060	7065
40°	6974	7035	7035
45°	6914	6998	6097
50°	6807	6910	5850
55°	6614	5915	5746
60°	6304	5498	5250
65°	5830	5104	3636
70°	5076	3972	3240
75°	4010	2666	1742
80°	2581	1273	1085
85°	1062	778	856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.5	3.5
10°-20°	1191.9	10.1
20°-30°	1827.3	15.5
30°-40°	2239.7	19.0
40°-50°	2302.6	19.5
50°-60°	1965.1	16.7
60°-70°	1299.2	11.0
70°-80°	481.4	4.1
80°-90°	64.4	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°	3432.7	29.1
0°-40°	5672.4	48.1
0°-60°	9940.1	84.3
0°-90°	11785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4359	4359	4359	4359	4359	
5°	4327	4357	4336	4353	4358	412
15°	4195	4220	4207	4239	4241	1185
25°	3936	3957	3951	3987	3975	1815
35°	3549	3574	3582	3604	3584	2220
45°	3028	3058	3065	3060	2670	2334
55°	2350	2393	2101	2040	2041	2097
65°	1526	1539	1336	1099	952	1505
75°	643	563	427	287	279	690
85°	57	41	42	46	46	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4359.2	4359.2	4359.2	4359.2	4359.2
2.5°	4338.0	4365.1	4349.1	4369.3	4384.7
5°	4326.9	4357.1	4336.4	4353.4	4357.6
7.5°	4307.7	4335.9	4316.7	4339.0	4335.9
10°	4277.0	4302.4	4289.2	4312.5	4314.1
12.5°	4237.7	4263.1	4250.9	4279.6	4279.1
15°	4194.7	4220.2	4207.4	4239.3	4241.4
17.5°	4144.3	4167.6	4158.0	4187.3	4175.6
20°	4085.9	4106.0	4101.2	4128.9	4120.4
22.5°	4014.2	4034.9	4030.2	4062.0	4049.2
25°	3936.2	3956.9	3951.1	3986.6	3975.0
27.5°	3851.8	3871.4	3870.9	3904.4	3886.3
30°	3754.1	3780.2	3781.8	3811.5	3790.2
32.5°	3657.6	3682.0	3688.9	3710.6	3692.6
35°	3549.3	3573.7	3581.7	3604.0	3584.3
37.5°	3432.5	3453.2	3467.5	3484.0	3468.6
40°	3308.8	3327.4	3338.0	3358.2	3338.0
42.5°	3170.8	3197.4	3212.2	3226.6	3193.7
45°	3028.0	3058.3	3064.7	3059.9	2670.3
47.5°	2876.8	2909.7	2913.4	2540.8	2469.2
50°	2710.1	2751.5	2751.0	2348.1	2329.0
52.5°	2536.6	2576.4	2574.8	2197.4	2184.7
55°	2349.7	2392.7	2101.3	2040.3	2041.4
57.5°	2159.2	2189.9	1885.3	1887.9	1852.9
60°	1952.2	1981.4	1702.7	1686.3	1625.7
62.5°	1744.7	1756.9	1526.0	1445.8	1330.6
65°	1526.0	1538.7	1336.0	1098.7	951.7
67.5°	1301.5	1314.2	1108.8	817.4	806.2
70°	1075.3	971.3	841.3	681.0	686.3
72.5°	852.4	746.3	549.9	527.6	381.1
75°	642.8	563.1	427.3	287.2	279.2
77.5°	447.5	388.0	228.8	195.9	183.1
80°	277.6	194.8	136.9	121.5	116.7
82.5°	140.7	112.0	74.3	74.3	74.3
85°	57.3	40.9	42.0	45.6	46.2
87.5°	12.2	16.5	20.2	20.7	20.2
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)