

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: P730275

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730275
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-LD5-12HE-W-CLI-UNV-L740
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12138.0 lumens
Efficiency: N/A
Efficacy: 167.0 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

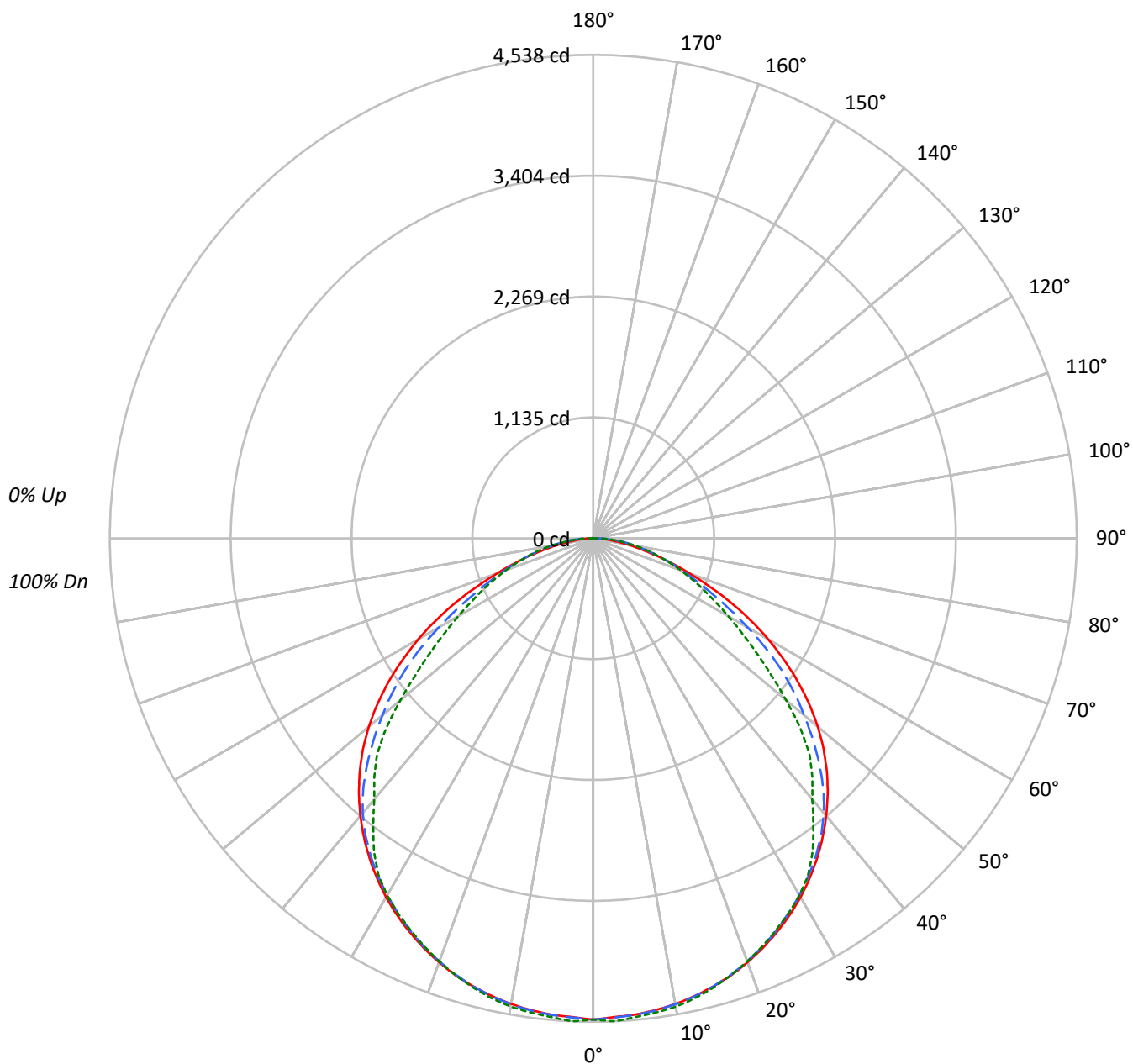
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	7294	7294	7294
5°	7275	7280	7313
10°	7279	7282	7321
15°	7280	7279	7296
20°	7278	7261	7263
25°	7267	7240	7231
30°	7255	7212	7216
35°	7221	7176	7075
40°	7170	7097	6739
45°	7079	6852	6552
50°	6908	6487	5934
55°	6594	6067	5247
60°	6119	5413	4732
65°	5439	4687	4351
70°	4514	4189	4101
75°	3651	3833	3881
80°	2900	3666	3651
85°	2269	3938	3757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.4	3.5
10°-20°	1232.4	10.2
20°-30°	1879.2	15.5
30°-40°	2273.5	18.7
40°-50°	2302.9	19.0
50°-60°	1903.4	15.7
60°-70°	1257.1	10.4
70°-80°	655.5	5.4
80°-90°	205.5	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°	3540.0	29.2
0°-40°	5813.5	47.9
0°-60°	10019.8	82.5
0°-90°	12138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4518	4518	4518	4518	4518	
5°	4488	4516	4492	4511	4512	427
15°	4355	4377	4355	4368	4365	1230
25°	4079	4095	4064	4074	4059	1881
35°	3664	3668	3641	3636	3589	2292
45°	3100	3092	3001	2908	2870	2387
55°	2342	2308	2155	1946	1864	2088
65°	1424	1382	1227	1147	1139	1406
75°	585	596	614	623	622	638
85°	122	158	213	211	203	149
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4517.8	4517.8	4517.8	4517.8	4517.8
2.5°	4498.9	4525.4	4503.2	4522.7	4538.4
5°	4488.5	4515.7	4491.8	4511.3	4511.9
7.5°	4468.5	4495.6	4471.2	4490.7	4490.2
10°	4439.7	4465.2	4441.9	4465.2	4465.2
12.5°	4400.7	4425.6	4402.9	4424.5	4421.3
15°	4355.1	4377.4	4354.6	4368.2	4364.9
17.5°	4301.4	4321.5	4296.0	4307.4	4300.9
20°	4235.8	4254.3	4226.1	4240.7	4227.1
22.5°	4162.0	4179.4	4150.6	4161.5	4146.3
25°	4079.1	4095.4	4063.9	4074.2	4059.0
27.5°	3989.6	4004.2	3968.9	3981.5	3969.5
30°	3891.4	3898.5	3868.1	3884.4	3870.3
32.5°	3781.9	3786.2	3759.6	3774.2	3750.4
35°	3663.6	3668.5	3640.9	3636.0	3589.3
37.5°	3537.2	3539.4	3513.4	3469.4	3392.4
40°	3401.7	3400.6	3367.0	3265.5	3197.2
42.5°	3256.8	3256.3	3197.2	3081.7	3042.6
45°	3100.1	3092.0	3000.8	2907.6	2869.6
47.5°	2932.0	2923.3	2795.8	2721.6	2635.3
50°	2750.3	2735.1	2582.7	2481.3	2362.5
52.5°	2554.5	2531.2	2376.1	2212.3	2100.0
55°	2342.4	2307.7	2155.3	1946.0	1864.1
57.5°	2121.7	2070.2	1922.1	1718.2	1651.5
60°	1895.0	1837.5	1676.4	1508.9	1465.4
62.5°	1661.8	1604.8	1440.5	1314.1	1290.3
65°	1423.7	1382.4	1226.8	1147.1	1139.0
67.5°	1179.6	1165.0	1046.2	1005.5	1002.3
70°	956.2	953.5	887.3	866.7	868.8
72.5°	764.2	760.9	751.2	740.9	741.4
75°	585.2	595.5	614.5	622.6	622.1
77.5°	436.6	457.8	497.9	514.1	511.4
80°	311.9	343.3	394.3	409.5	392.7
82.5°	207.7	240.8	301.0	303.2	289.6
85°	122.5	157.8	212.6	211.0	202.8
87.5°	60.7	94.9	127.4	122.0	116.6
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)