

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: P730365

Luminaire Tested: **HBLED-LD5-12SE-W-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-WG-UNV-L740
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12118.0 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

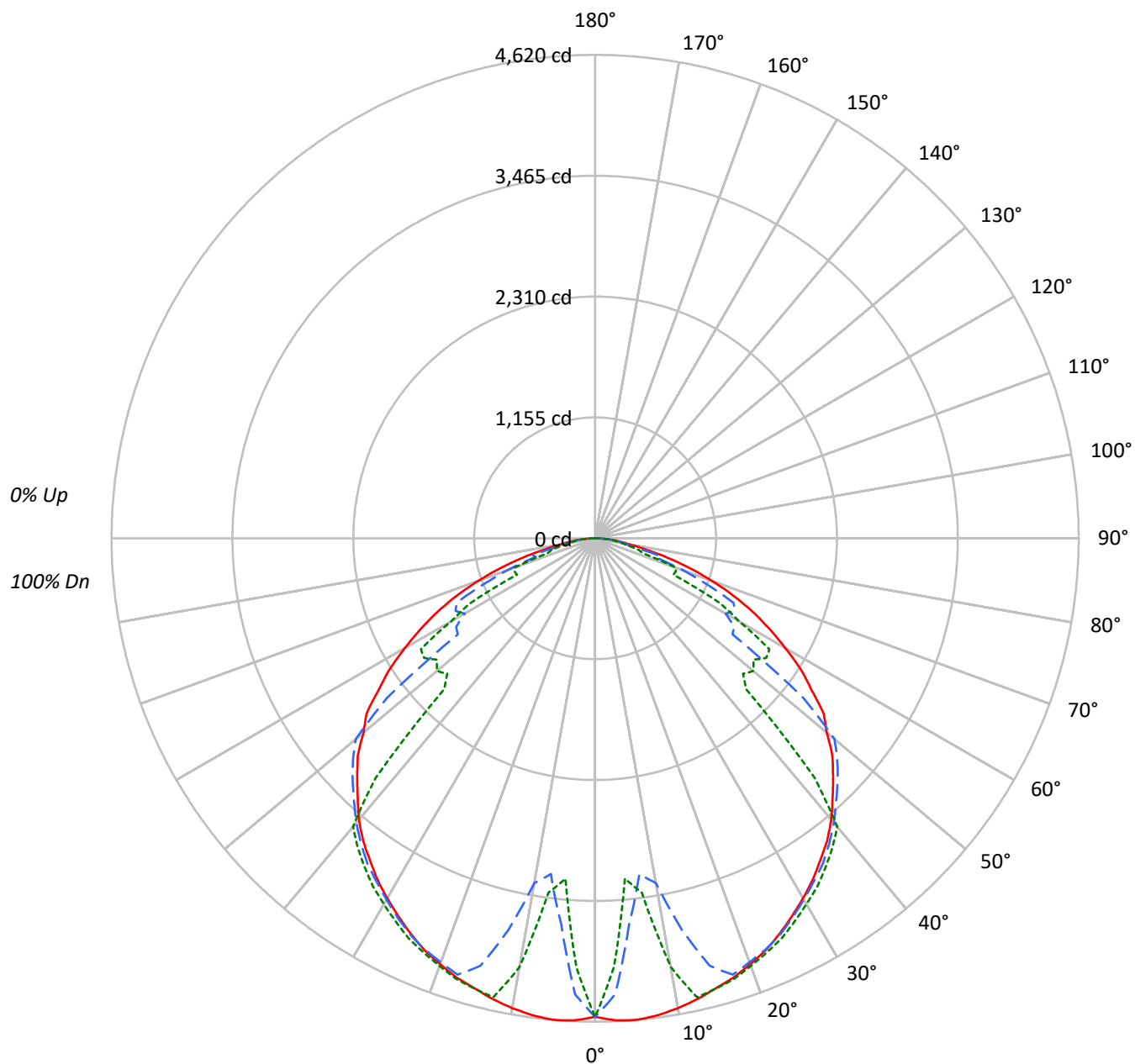
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7385	7385	7385
5°	7488	6016	5290
10°	7475	5486	6823
15°	7442	7071	7448
20°	7442	7408	7474
25°	7429	7445	7514
30°	7407	7432	7528
35°	7396	7477	7565
40°	7396	7477	7584
45°	7339	7482	4650
50°	7255	7497	4956
55°	7102	4508	5617
60°	6775	4647	5143
65°	6348	5579	3147
70°	5605	4227	3857
75°	4467	3842	2675
80°	3077	2776	2298
85°	2947	2564	2432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.8	3.0
10°-20°	1145.9	9.5
20°-30°	1885.3	15.6
30°-40°	2370.5	19.6
40°-50°	2324.8	19.2
50°-60°	1926.2	15.9
60°-70°	1358.6	11.2
70°-80°	592.8	4.9
80°-90°	148.1	1.2
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°	3396.9	28.0
0°-40°	5767.4	47.6
0°-60°	10018.5	82.7
0°-90°	12118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4574	4574	4574	4574	4574	
5°	4620	4300	3712	3365	3264	439
15°	4452	3092	4230	4470	4456	1259
25°	4170	3816	4179	4207	4218	1922
35°	3752	3750	3794	3819	3838	2351
45°	3214	3224	3277	2902	2036	2481
55°	2523	2606	1601	1821	1995	2257
65°	1662	1760	1460	1123	824	1634
75°	716	702	616	402	429	768
85°	159	142	138	132	131	165
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4574.2	4574.2	4574.2	4574.2	4574.2
2.5°	4611.9	4516.2	4364.1	4172.7	4104.9
5°	4620.1	4300.1	3711.6	3365.4	3264.2
7.5°	4596.6	3908.0	3235.8	3308.5	3415.7
10°	4559.4	3563.4	3346.3	3936.9	4161.8
12.5°	4511.8	3257.1	3833.6	4447.3	4492.1
15°	4452.2	3091.9	4230.1	4469.7	4456.0
17.5°	4401.9	3188.7	4372.3	4424.8	4415.0
20°	4331.3	3381.8	4311.6	4353.7	4349.9
22.5°	4260.2	3610.4	4254.2	4284.3	4284.3
25°	4170.0	3815.5	4179.2	4207.2	4217.6
27.5°	4070.9	3933.6	4085.7	4108.7	4127.3
30°	3973.0	3950.6	3986.2	4015.7	4037.6
32.5°	3869.7	3860.9	3888.8	3920.0	3947.9
35°	3752.1	3749.9	3793.6	3818.8	3838.0
37.5°	3641.6	3634.0	3674.4	3709.4	3724.2
40°	3509.2	3509.2	3547.5	3583.1	3598.4
42.5°	3358.3	3379.6	3409.2	3445.8	3103.4
45°	3213.9	3223.7	3276.8	2902.1	2036.3
47.5°	3074.9	3087.5	3137.9	1865.6	1916.5
50°	2888.4	2945.3	2984.7	1860.2	1972.9
52.5°	2752.3	2776.8	2505.6	1841.6	1905.0
55°	2523.1	2605.7	1601.4	1820.8	1995.3
57.5°	2327.3	2387.5	1574.7	1865.6	1973.9
60°	2098.1	2190.0	1439.0	1800.0	1592.7
62.5°	1878.2	1965.7	1502.5	1416.6	1348.8
65°	1661.6	1759.5	1460.4	1123.4	823.7
67.5°	1424.2	1332.9	1165.0	791.5	833.0
70°	1187.4	930.9	895.4	885.0	817.1
72.5°	944.0	679.3	594.5	664.0	475.3
75°	716.0	701.8	615.9	402.5	428.8
77.5°	496.6	506.5	329.8	392.7	326.0
80°	330.9	286.6	298.6	250.5	247.2
82.5°	229.2	234.1	196.3	190.3	193.1
85°	159.1	141.7	138.4	132.4	131.3
87.5°	53.0	61.8	57.5	52.0	55.3
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)