

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: P730340

Luminaire Tested: **HBLED-LD5-12SE-W-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CL-WG-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11016.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

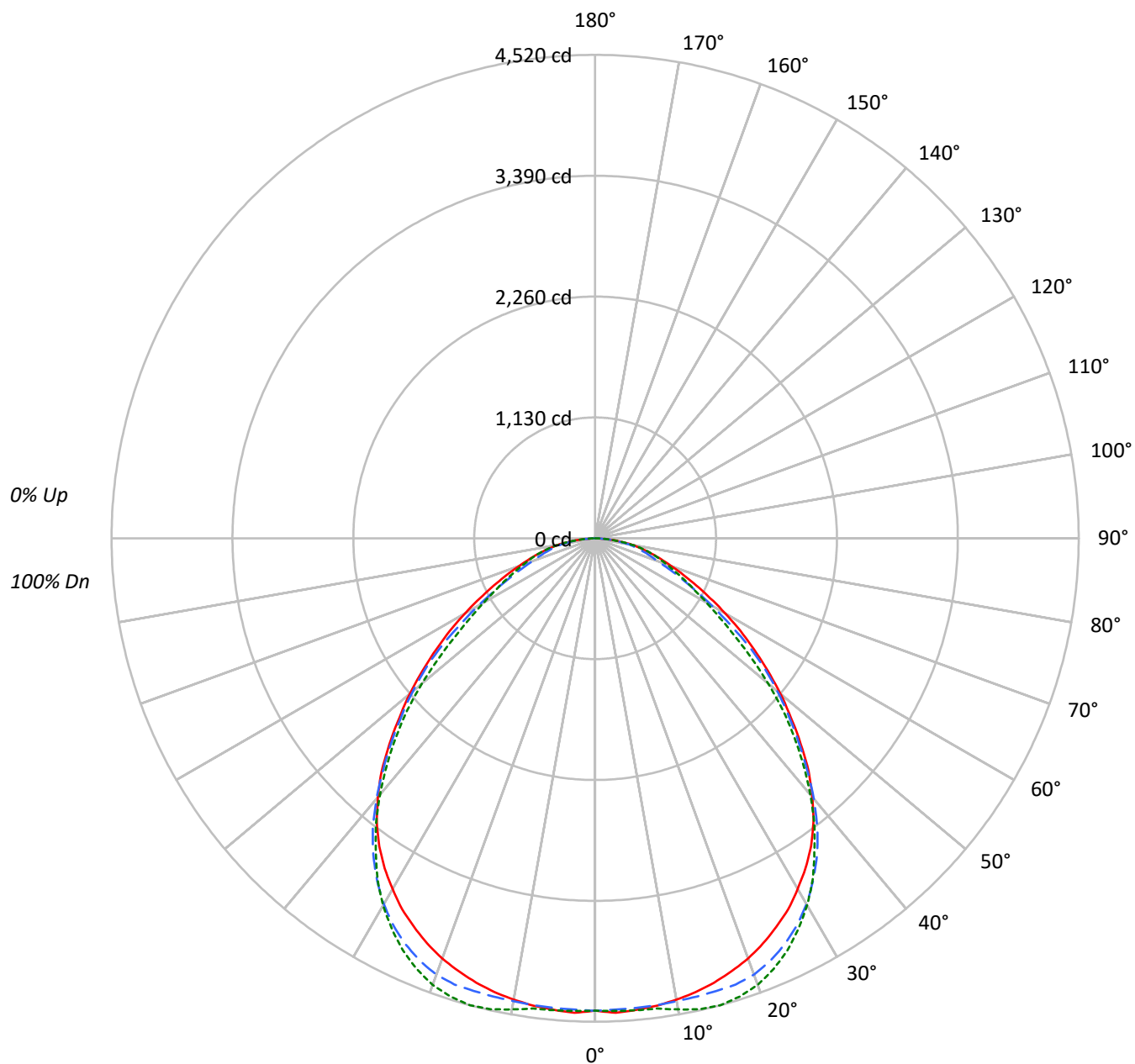
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730340

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-WG-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730340

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-WG-UNV-L735

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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7132	7132	7132
5°	7174	7144	7179
10°	7180	7204	7333
15°	7189	7324	7555
20°	7184	7458	7633
25°	7140	7465	7575
30°	7058	7366	7390
35°	6932	7128	7042
40°	6659	6700	6594
45°	6204	6139	6015
50°	5681	5589	5303
55°	5102	4913	4483
60°	4525	4065	3870
65°	3987	3378	3513
70°	3566	2931	3346
75°	3341	2850	3383
80°	3252	2881	3220
85°	2595	2280	2364



TEST NUMBER: P730340

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-WG-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.8	3.8
10°-20°	1239.4	11.3
20°-30°	1906.7	17.3
30°-40°	2225.2	20.2
40°-50°	2067.8	18.8
50°-60°	1532.7	13.9
60°-70°	937.0	8.5
70°-80°	533.7	4.8
80°-90°	152.6	1.4
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°	3566.9	32.4
0°-40°	5792.1	52.6
0°-60°	9392.7	85.3
0°-90°	11016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4417	4417	4417	4417	4417	
5°	4426	4406	4408	4405	4430	421
15°	4301	4299	4382	4468	4520	1214
25°	4008	4039	4190	4226	4252	1846
35°	3517	3544	3616	3587	3573	2191
45°	2717	2733	2689	2647	2634	2094
55°	1813	1767	1745	1621	1593	1627
65°	1044	948	884	908	919	1044
75°	536	502	457	521	542	573
85°	140	137	123	128	128	162
90°	0	0	0	0	0	



TEST NUMBER: P730340

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-WG-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4417.1	4417.1	4417.1	4417.1	4417.1
2.5°	4441.0	4416.0	4411.4	4401.2	4423.9
5°	4426.2	4405.7	4408.0	4404.6	4429.6
7.5°	4409.1	4394.3	4403.4	4402.3	4435.3
10°	4379.5	4371.5	4394.3	4419.4	4472.9
12.5°	4346.5	4338.5	4388.6	4452.4	4510.5
15°	4300.9	4298.6	4381.8	4468.4	4519.6
17.5°	4243.9	4247.4	4373.8	4447.9	4493.4
20°	4181.3	4187.0	4340.8	4401.2	4442.2
22.5°	4100.4	4119.8	4276.9	4327.1	4359.0
25°	4008.1	4038.8	4190.4	4225.7	4251.9
27.5°	3909.0	3939.7	4083.3	4101.5	4116.3
30°	3785.9	3829.2	3951.1	3953.4	3963.6
32.5°	3660.6	3699.3	3792.8	3782.5	3784.8
35°	3517.0	3544.4	3616.1	3586.6	3572.9
37.5°	3351.9	3366.7	3412.2	3367.8	3365.5
40°	3159.3	3178.7	3178.7	3117.2	3128.5
42.5°	2954.2	2961.0	2932.6	2874.5	2883.6
45°	2717.2	2733.2	2688.7	2646.6	2634.1
47.5°	2482.5	2498.5	2451.8	2402.8	2381.2
50°	2261.5	2253.5	2225.1	2141.9	2111.1
52.5°	2032.5	2007.5	1996.1	1874.2	1838.9
55°	1812.6	1767.1	1745.4	1621.2	1592.7
57.5°	1608.7	1526.7	1485.7	1388.8	1377.4
60°	1401.4	1309.1	1258.9	1196.3	1198.5
62.5°	1213.4	1116.5	1056.2	1037.9	1045.9
65°	1043.6	947.9	884.1	908.0	919.4
67.5°	889.8	811.2	739.4	795.2	806.6
70°	755.4	692.7	620.9	703.0	708.7
72.5°	643.7	592.4	532.1	609.5	622.0
75°	535.5	502.5	456.9	520.7	542.3
77.5°	440.9	414.7	388.5	427.3	451.2
80°	349.8	323.6	309.9	330.4	346.3
82.5°	247.2	230.2	216.5	231.3	239.3
85°	140.1	136.7	123.1	127.6	127.6
87.5°	31.9	36.4	41.0	37.6	31.9
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)