

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: PORTFOLIO

Report Number: P799600

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359027 6LBMDSWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

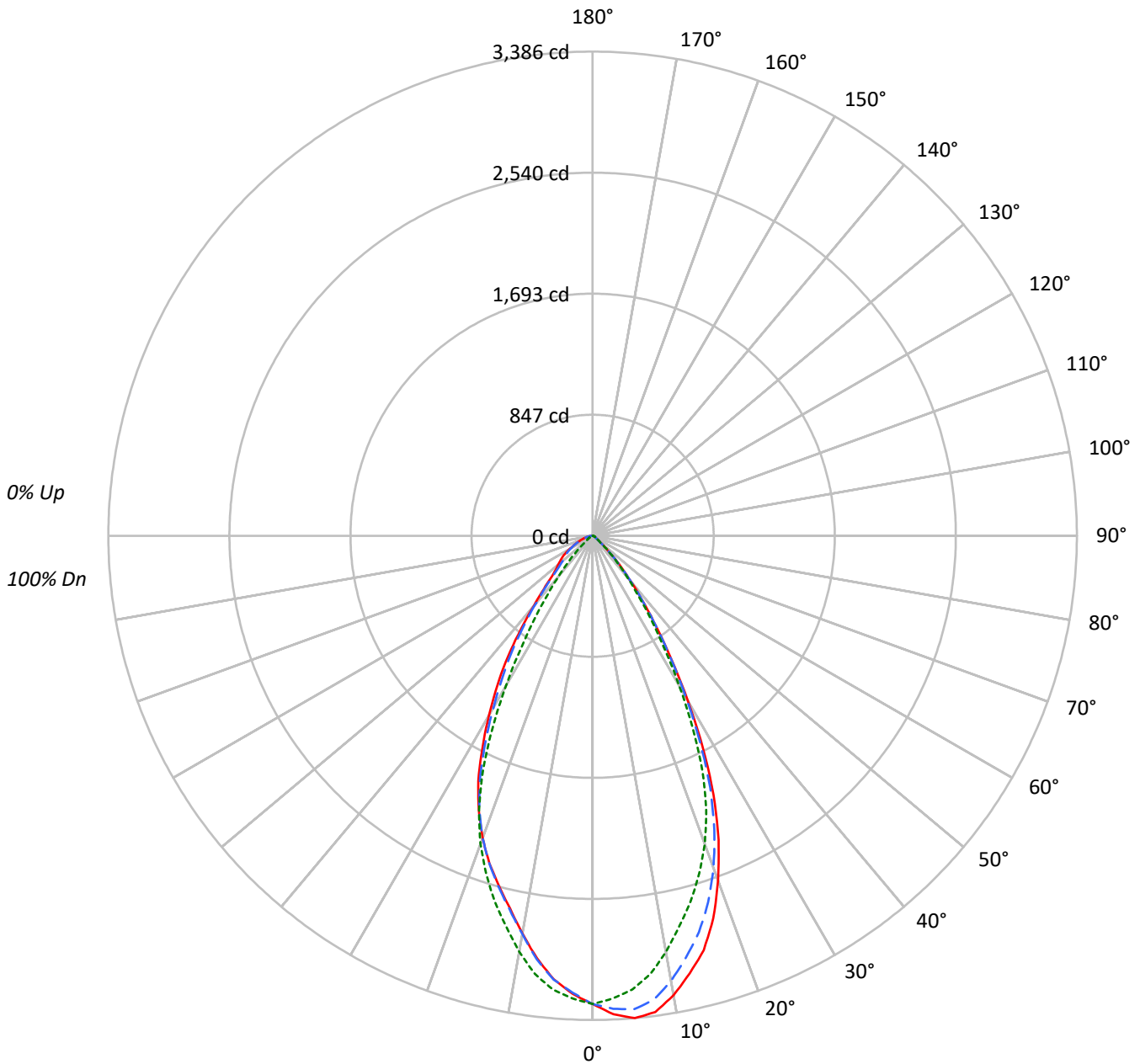
Lumens per Lamp: N/A
Luminaire Lumens: 2819.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P799600

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P799600

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	179492	179492	179492
5°	186319	175280	171318
10°	181554	164415	157178
15°	170273	150234	143741
20°	149480	133741	131186
25°	120896	109875	114406
30°	84051	76537	91558
35°	51805	46886	69105
40°	29312	26285	45893
45°	14234	13583	31321
50°	5424	5424	26626
55°	2972	3508	24573
60°	2171	2785	20130
65°	1829	2387	16487
70°	1587	2036	13592
75°	1504	2097	11671
80°	884	1799	8461
85°	881	3585	7988



TEST NUMBER: P799600

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	10.6
10°-20°	753.4	26.7
20°-30°	848.1	30.1
30°-40°	525.2	18.6
40°-50°	209.1	7.4
50°-60°	95.2	3.4
60°-70°	54.7	1.9
70°-80°	26.0	0.9
80°-90°	7.6	0.3
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°	1901.2	67.4
0°-40°	2426.4	86.1
0°-60°	2730.7	96.9
0°-90°	2819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2819.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3274	3274	3274	3274	3274	
5°	3386	3324	3185	3116	3113	319
15°	3000	2870	2647	2540	2533	830
25°	1999	1945	1816	1862	1891	898
35°	774	770	701	976	1033	497
45°	184	184	175	381	404	156
55°	31	30	37	226	257	31
65°	14	13	18	126	127	14
75°	7	7	10	54	55	7
85°	1	1	6	13	13	1
90°	0	0	0	0	0	



TEST NUMBER: P799600

CATALOG NUMBER: LD6C35D010 EU6359027 6LBMDSWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3274.2	3274.2	3274.2	3274.2	3274.2	3274.2	3274.2	3274.2	3274.2
2.5°	3349.1	3318.0	3311.0	3284.1	3238.9	3213.5	3198.0	3186.7	3206.4
5°	3385.8	3351.9	3323.7	3268.6	3185.2	3138.6	3116.0	3097.7	3113.2
7.5°	3359.0	3311.0	3272.8	3196.5	3090.6	3018.6	2987.5	2966.3	2980.4
10°	3261.5	3203.6	3159.8	3069.4	2953.6	2867.4	2829.3	2809.5	2823.6
12.5°	3134.4	3086.4	3020.0	2921.1	2796.8	2706.4	2678.1	2662.6	2668.3
15°	3000.2	2943.7	2870.3	2771.4	2647.1	2556.7	2539.7	2529.8	2532.7
17.5°	2805.3	2750.2	2686.6	2590.6	2476.2	2402.7	2402.7	2395.6	2399.9
20°	2562.3	2532.7	2470.5	2390.0	2292.5	2226.1	2247.3	2240.3	2248.7
22.5°	2299.6	2277.0	2223.3	2156.9	2075.0	2022.7	2069.3	2067.9	2079.2
25°	1998.7	1981.8	1945.0	1888.5	1816.5	1784.0	1861.7	1861.7	1891.4
27.5°	1666.8	1649.8	1624.4	1576.4	1517.1	1507.2	1621.6	1635.7	1668.2
30°	1327.8	1316.5	1302.3	1258.6	1209.1	1227.5	1385.7	1409.7	1446.4
32.5°	1025.5	1018.4	1014.2	974.6	930.9	991.6	1172.4	1203.5	1240.2
35°	774.1	758.5	769.8	740.2	700.6	776.9	976.1	1002.9	1032.6
37.5°	570.7	559.4	569.2	548.1	512.7	596.1	784.0	800.9	820.7
40°	409.6	399.7	408.2	395.5	367.3	444.9	614.4	632.8	641.3
42.5°	291.0	274.0	282.5	272.6	258.5	334.8	483.1	500.0	502.9
45°	183.6	178.0	183.6	178.0	175.2	248.6	381.4	396.9	404.0
47.5°	111.6	104.5	104.5	101.7	104.5	183.6	315.0	337.6	348.9
50°	63.6	60.7	59.3	57.9	63.6	144.1	272.6	298.0	312.2
52.5°	42.4	41.0	41.0	39.6	46.6	121.5	245.8	268.4	282.5
55°	31.1	29.7	29.7	29.7	36.7	104.5	226.0	244.4	257.1
57.5°	24.0	24.0	24.0	22.6	31.1	89.0	202.0	211.9	221.8
60°	19.8	18.4	18.4	18.4	25.4	76.3	173.7	178.0	183.6
62.5°	15.5	15.5	15.5	15.5	21.2	67.8	149.7	149.7	152.6
65°	14.1	12.7	12.7	12.7	18.4	59.3	125.7	124.3	127.1
67.5°	11.3	11.3	11.3	11.3	15.5	50.9	103.1	101.7	104.5
70°	9.9	9.9	9.9	9.9	12.7	42.4	83.3	81.9	84.8
72.5°	8.5	8.5	8.5	8.5	11.3	35.3	66.4	66.4	67.8
75°	7.1	7.1	7.1	7.1	9.9	26.8	53.7	53.7	55.1
77.5°	5.7	5.7	5.7	5.7	7.1	21.2	41.0	39.6	39.6
80°	2.8	4.2	4.2	4.2	5.7	15.5	29.7	26.8	26.8
82.5°	1.4	2.8	2.8	2.8	5.7	11.3	19.8	18.4	18.4
85°	1.4	1.4	1.4	4.2	5.7	8.5	12.7	12.7	12.7
87.5°	0.0	1.4	2.8	5.7	7.1	7.1	8.5	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)