

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: P799493

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799493
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: LD6C25D010 EU6259030 6LBMDSWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

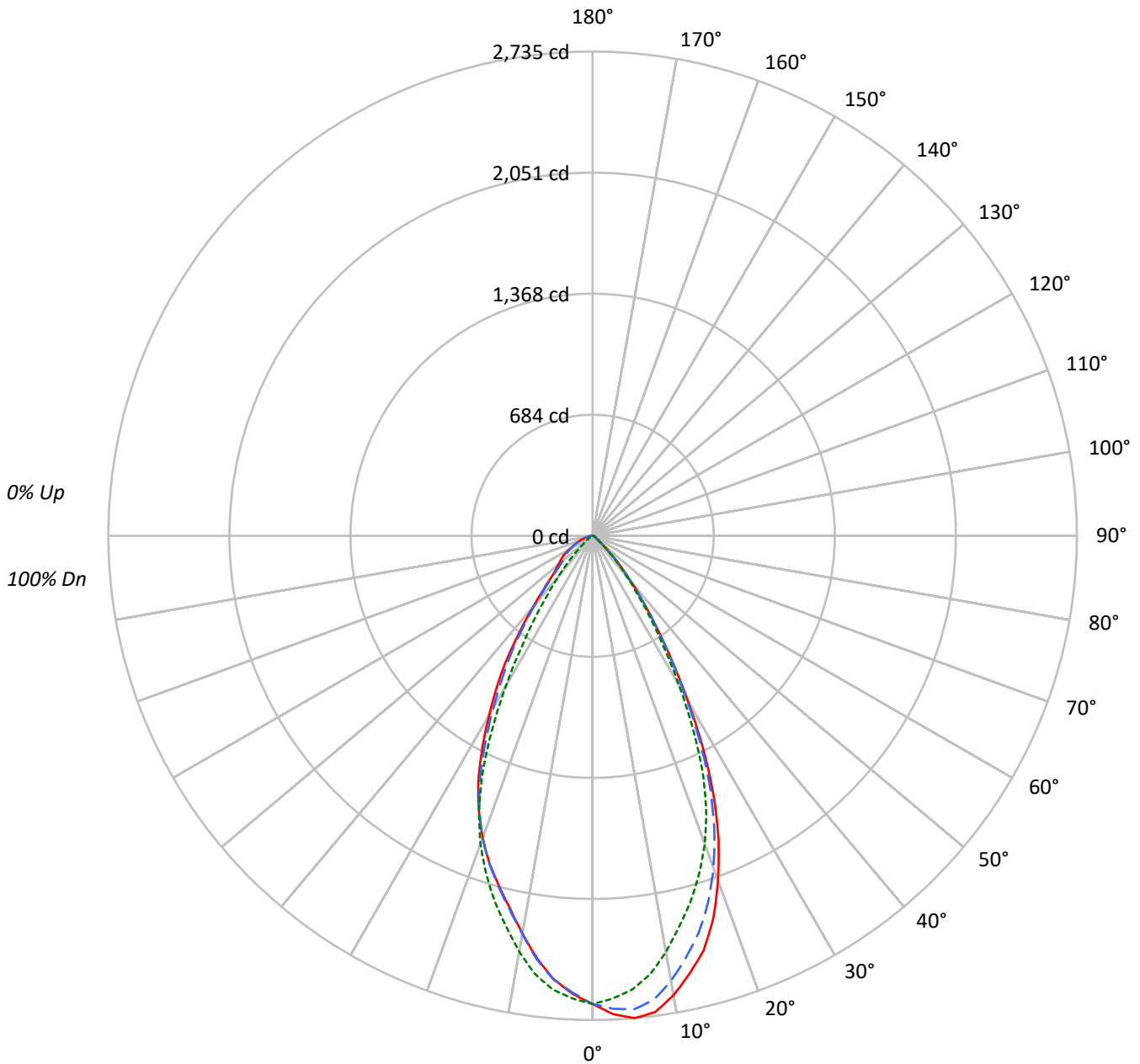
Lumens per Lamp: N/A
Luminaire Lumens: 2277.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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: P799493

CATALOG NUMBER: LD6C25D010 EU6259030 6LBMDSWMW

Luminous Intensity Polar Plot





TEST NUMBER: P799493

CATALOG NUMBER: LD6C25D010 EU6259030 6LBMDSWMW

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°	144983	144983	144983
5°	150495	141580	138377
10°	146646	132802	126957
15°	137538	121346	116102
20°	120743	108031	105966
25°	97651	88753	92407
30°	67890	61820	73954
35°	41840	37872	55814
40°	23680	21225	37069
45°	11497	10970	25297
50°	4375	4375	21500
55°	2399	2839	19851
60°	1754	2248	16260
65°	1479	1920	13322
70°	1282	1651	10979
75°	1207	1694	9425
80°	726	1452	6851
85°	692	2893	6479



TEST NUMBER: P799493

CATALOG NUMBER: LD6C25D010 EU6259030 6LBMDSWMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	10.6
10°-20°	608.5	26.7
20°-30°	685.0	30.1
30°-40°	424.2	18.6
40°-50°	168.9	7.4
50°-60°	76.9	3.4
60°-70°	44.2	1.9
70°-80°	21.0	0.9
80°-90°	6.1	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°	1535.7	67.4
0°-40°	1959.8	86.1
0°-60°	2205.7	96.9
0°-90°	2277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2277.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2645	2645	2645	2645	2645	
5°	2735	2685	2573	2517	2515	258
15°	2423	2318	2138	2051	2046	670
25°	1614	1571	1467	1504	1528	726
35°	625	622	566	788	834	402
45°	148	148	142	308	326	126
55°	25	24	30	183	208	25
65°	11	10	15	102	103	11
75°	6	6	8	43	44	6
85°	1	1	5	10	10	1
90°	0	0	0	0	0	



TEST NUMBER: P799493

CATALOG NUMBER: LD6C25D010 EU6259030 6LBMSWMMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2644.7	2644.7	2644.7	2644.7	2644.7	2644.7	2644.7	2644.7	2644.7
2.5°	2705.2	2680.1	2674.4	2652.7	2616.2	2595.6	2583.1	2574.0	2589.9
5°	2734.8	2707.5	2684.6	2640.1	2572.8	2535.2	2516.9	2502.1	2514.6
7.5°	2713.2	2674.4	2643.6	2582.0	2496.4	2438.2	2413.1	2396.0	2407.4
10°	2634.4	2587.7	2552.3	2479.3	2385.7	2316.1	2285.3	2269.3	2280.7
12.5°	2531.8	2493.0	2439.3	2359.5	2259.1	2186.0	2163.2	2150.7	2155.2
15°	2423.4	2377.7	2318.4	2238.5	2138.1	2065.1	2051.4	2043.4	2045.7
17.5°	2265.9	2221.4	2170.1	2092.5	2000.1	1940.7	1940.7	1935.0	1938.5
20°	2069.7	2045.7	1995.5	1930.5	1851.8	1798.1	1815.2	1809.5	1816.4
22.5°	1857.5	1839.2	1795.8	1742.2	1676.0	1633.8	1671.5	1670.3	1679.5
25°	1614.4	1600.7	1571.1	1525.4	1467.3	1441.0	1503.8	1503.8	1527.7
27.5°	1346.3	1332.6	1312.1	1273.3	1225.4	1217.4	1309.8	1321.2	1347.5
30°	1072.5	1063.4	1051.9	1016.6	976.6	991.5	1119.3	1138.7	1168.3
32.5°	828.3	822.6	819.2	787.3	751.9	800.9	947.0	972.1	1001.7
35°	625.2	612.7	621.8	597.9	565.9	627.5	788.4	810.1	834.0
37.5°	460.9	451.8	459.8	442.7	414.2	481.5	633.2	646.9	662.9
40°	330.9	322.9	329.7	319.5	296.6	359.4	496.3	511.1	518.0
42.5°	235.0	221.3	228.2	220.2	208.8	270.4	390.2	403.9	406.2
45°	148.3	143.8	148.3	143.8	141.5	200.8	308.1	320.6	326.3
47.5°	90.1	84.4	84.4	82.1	84.4	148.3	254.4	272.7	281.8
50°	51.3	49.1	47.9	46.8	51.3	116.4	220.2	240.7	252.1
52.5°	34.2	33.1	33.1	31.9	37.7	98.1	198.5	216.8	228.2
55°	25.1	24.0	24.0	24.0	29.7	84.4	182.6	197.4	207.7
57.5°	19.4	19.4	19.4	18.3	25.1	71.9	163.2	171.1	179.1
60°	16.0	14.8	14.8	14.8	20.5	61.6	140.3	143.8	148.3
62.5°	12.6	12.6	12.6	12.6	17.1	54.8	120.9	120.9	123.2
65°	11.4	10.3	10.3	10.3	14.8	47.9	101.5	100.4	102.7
67.5°	9.1	9.1	9.1	9.1	12.6	41.1	83.3	82.1	84.4
70°	8.0	8.0	8.0	8.0	10.3	34.2	67.3	66.2	68.5
72.5°	6.8	6.8	6.8	6.8	9.1	28.5	53.6	53.6	54.8
75°	5.7	5.7	5.7	5.7	8.0	21.7	43.4	43.4	44.5
77.5°	4.6	4.6	4.6	4.6	5.7	17.1	33.1	31.9	31.9
80°	2.3	3.4	3.4	3.4	4.6	12.6	24.0	21.7	21.7
82.5°	1.1	2.3	2.3	2.3	4.6	9.1	16.0	14.8	14.8
85°	1.1	1.1	1.1	3.4	4.6	6.8	10.3	10.3	10.3
87.5°	0.0	1.1	2.3	4.6	5.7	5.7	6.8	5.7	5.7
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)