

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: P799516

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799516
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 EU6259040 6LBMDSWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

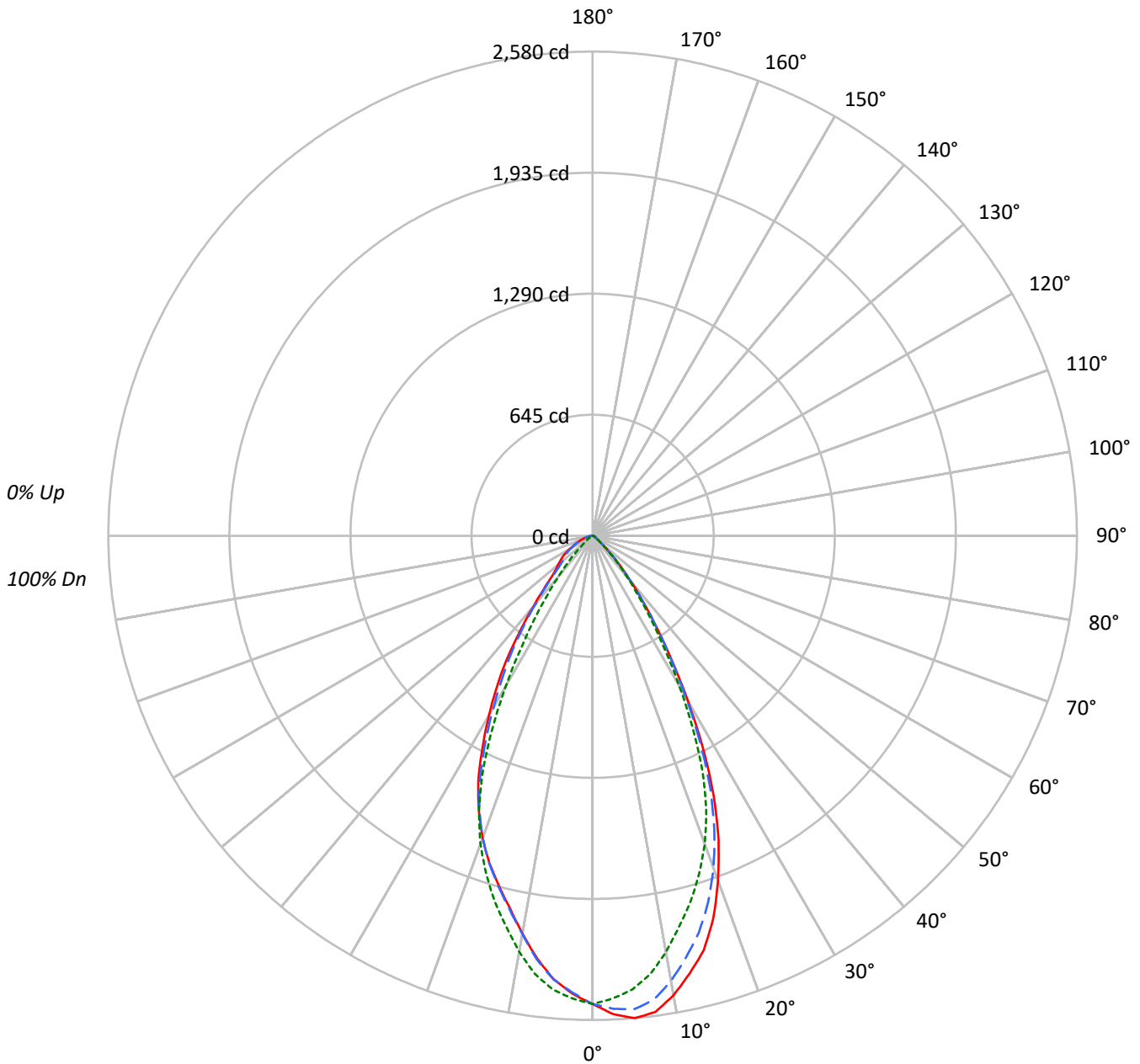
Lumens per Lamp: N/A
Luminaire Lumens: 2148.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799516

CATALOG NUMBER: LD6C25D010 EU6259040 6LBMDSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P799516

CATALOG NUMBER: LD6C25D010 EU6259040 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°	136771	136771	136771
5°	141971	133562	130541
10°	138341	125282	119765
15°	129745	114473	109524
20°	113900	101906	99963
25°	92122	83721	87174
30°	64041	58319	69764
35°	39471	35724	52655
40°	22335	20023	34966
45°	10846	10350	23863
50°	4128	4128	20289
55°	2265	2676	18723
60°	1656	2127	15339
65°	1401	1816	12569
70°	1202	1555	10354
75°	1144	1589	8896
80°	695	1357	6440
85°	692	2705	6101



TEST NUMBER: P799516

CATALOG NUMBER: LD6C25D010 EU6259040 6LBMDSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	10.6
10°-20°	574.0	26.7
20°-30°	646.2	30.1
30°-40°	400.2	18.6
40°-50°	159.3	7.4
50°-60°	72.5	3.4
60°-70°	41.7	1.9
70°-80°	19.8	0.9
80°-90°	5.8	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°	1448.7	67.4
0°-40°	1848.8	86.1
0°-60°	2080.7	96.9
0°-90°	2148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2148.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2495	2495	2495	2495	2495	
5°	2580	2532	2427	2374	2372	243
15°	2286	2187	2017	1935	1930	632
25°	1523	1482	1384	1419	1441	685
35°	590	587	534	744	787	379
45°	140	140	134	291	308	119
55°	24	23	28	172	196	24
65°	11	10	14	96	97	11
75°	5	5	8	41	42	6
85°	1	1	4	10	10	1
90°	0	0	0	0	0	



TEST NUMBER: P799516

CATALOG NUMBER: LD6C25D010 EU6259040 6LBMDSWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9
2.5°	2551.9	2528.2	2522.9	2502.4	2468.0	2448.6	2436.8	2428.1	2443.2
5°	2579.9	2554.1	2532.5	2490.6	2427.1	2391.5	2374.3	2360.3	2372.2
7.5°	2559.5	2522.9	2493.8	2435.7	2355.0	2300.1	2276.4	2260.2	2271.0
10°	2485.2	2441.1	2407.7	2338.8	2250.6	2184.9	2155.8	2140.8	2151.5
12.5°	2388.3	2351.7	2301.1	2225.8	2131.1	2062.2	2040.7	2028.8	2033.1
15°	2286.1	2243.0	2187.1	2111.7	2017.0	1948.1	1935.2	1927.7	1929.8
17.5°	2137.5	2095.6	2047.1	1973.9	1886.8	1830.8	1830.8	1825.4	1828.6
20°	1952.4	1929.8	1882.5	1821.1	1746.8	1696.3	1712.4	1707.0	1713.5
22.5°	1752.2	1735.0	1694.1	1643.5	1581.1	1541.3	1576.8	1575.7	1584.3
25°	1523.0	1510.1	1482.1	1439.0	1384.1	1359.4	1418.6	1418.6	1441.2
27.5°	1270.0	1257.1	1237.8	1201.2	1156.0	1148.4	1235.6	1246.4	1271.1
30°	1011.7	1003.1	992.4	959.0	921.3	935.3	1055.9	1074.2	1102.1
32.5°	781.4	776.0	772.8	742.7	709.3	755.6	893.3	917.0	945.0
35°	589.8	578.0	586.6	564.0	533.8	592.0	743.7	764.2	786.8
37.5°	434.8	426.2	433.8	417.6	390.7	454.2	597.3	610.3	625.3
40°	312.1	304.6	311.1	301.4	279.8	339.0	468.2	482.2	488.6
42.5°	221.7	208.8	215.3	207.7	197.0	255.1	368.1	381.0	383.2
45°	139.9	135.6	139.9	135.6	133.5	189.4	290.6	302.4	307.8
47.5°	85.0	79.6	79.6	77.5	79.6	139.9	240.0	257.2	265.8
50°	48.4	46.3	45.2	44.1	48.4	109.8	207.7	227.1	237.9
52.5°	32.3	31.2	31.2	30.1	35.5	92.6	187.3	204.5	215.3
55°	23.7	22.6	22.6	22.6	28.0	79.6	172.2	186.2	195.9
57.5°	18.3	18.3	18.3	17.2	23.7	67.8	153.9	161.4	169.0
60°	15.1	14.0	14.0	14.0	19.4	58.1	132.4	135.6	139.9
62.5°	11.8	11.8	11.8	11.8	16.1	51.7	114.1	114.1	116.2
65°	10.8	9.7	9.7	9.7	14.0	45.2	95.8	94.7	96.9
67.5°	8.6	8.6	8.6	8.6	11.8	38.7	78.6	77.5	79.6
70°	7.5	7.5	7.5	7.5	9.7	32.3	63.5	62.4	64.6
72.5°	6.5	6.5	6.5	6.5	8.6	26.9	50.6	50.6	51.7
75°	5.4	5.4	5.4	5.4	7.5	20.4	40.9	40.9	42.0
77.5°	4.3	4.3	4.3	4.3	5.4	16.1	31.2	30.1	30.1
80°	2.2	3.2	3.2	3.2	4.3	11.8	22.6	20.4	20.4
82.5°	1.1	2.2	2.2	2.2	4.3	8.6	15.1	14.0	14.0
85°	1.1	1.1	1.1	3.2	4.3	6.5	9.7	9.7	9.7
87.5°	0.0	1.1	2.2	4.3	5.4	5.4	6.5	5.4	5.4
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)