

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: P799505

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799505
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 EU6259035 6LBMDSWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

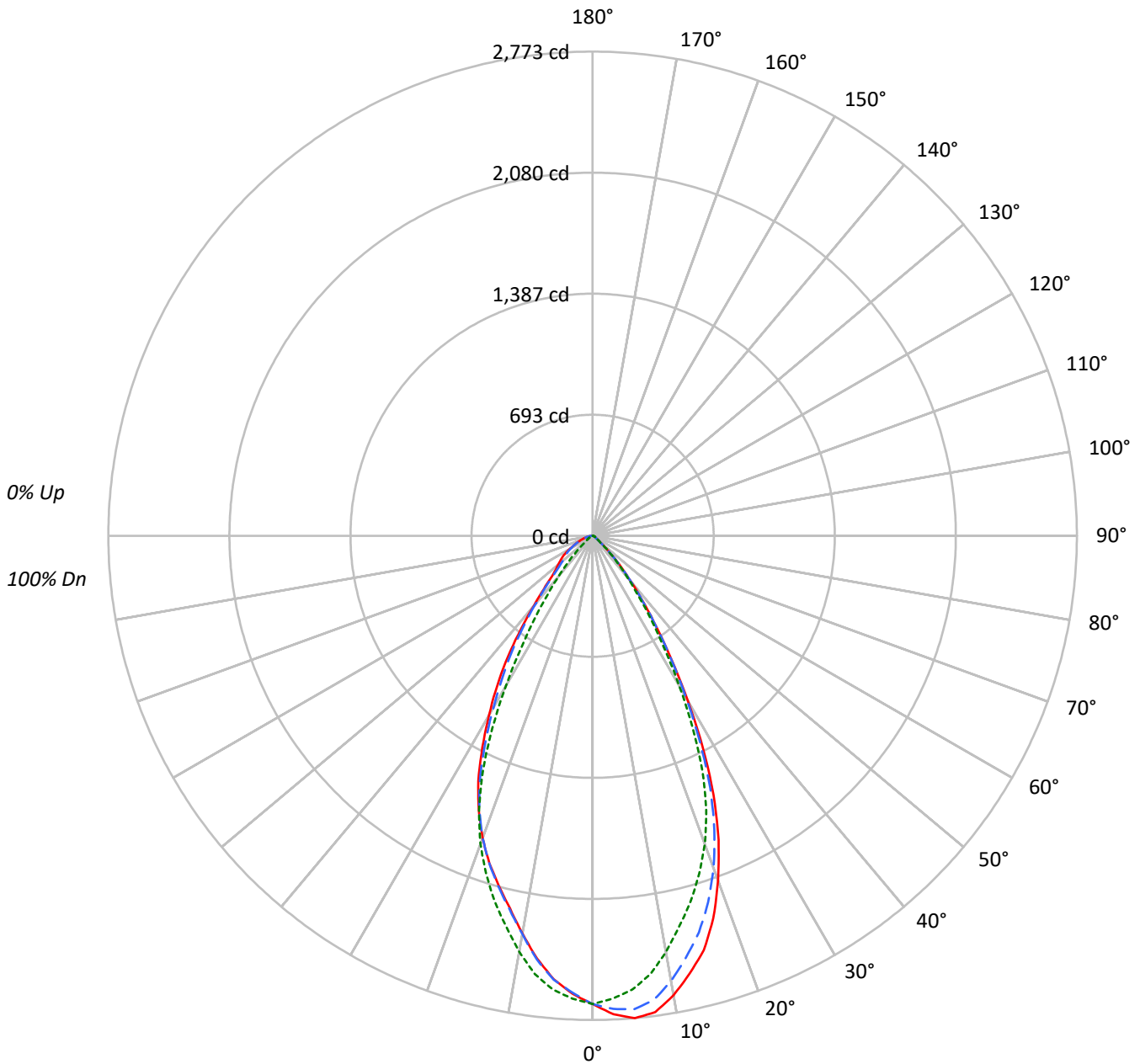
Lumens per Lamp: N/A
Luminaire Lumens: 2309.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	147022	147022	147022
5°	152614	143572	140325
10°	148711	134667	128744
15°	139467	123054	117736
20°	122441	109548	107454
25°	99024	89999	93707
30°	68846	62693	74993
35°	42429	38407	56604
40°	24009	21526	37592
45°	11660	11125	25654
50°	4443	4443	21807
55°	2437	2877	20128
60°	1776	2281	16490
65°	1505	1946	13503
70°	1298	1667	11124
75°	1228	1716	9553
80°	726	1452	6945
85°	755	2893	6542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.5	10.6
10°-20°	617.1	26.7
20°-30°	694.7	30.1
30°-40°	430.1	18.6
40°-50°	171.3	7.4
50°-60°	78.0	3.4
60°-70°	44.8	1.9
70°-80°	21.3	0.9
80°-90°	6.2	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°	1557.3	67.4
0°-40°	1987.4	86.1
0°-60°	2236.7	96.9
0°-90°	2309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2309.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2682	2682	2682	2682	2682	
5°	2773	2722	2609	2552	2550	261
15°	2457	2351	2168	2080	2074	680
25°	1637	1593	1488	1525	1549	736
35°	634	631	574	800	846	407
45°	150	150	144	312	331	127
55°	26	24	30	185	211	25
65°	12	10	15	103	104	11
75°	6	6	8	44	45	6
85°	1	1	5	10	10	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9
2.5°	2743.2	2717.7	2712.0	2690.0	2652.9	2632.1	2619.4	2610.1	2626.3
5°	2773.3	2745.5	2722.4	2677.2	2609.0	2570.8	2552.3	2537.3	2550.0
7.5°	2751.3	2712.0	2680.7	2618.2	2531.5	2472.5	2447.0	2429.7	2441.2
10°	2671.5	2624.0	2588.2	2514.1	2419.2	2348.7	2317.4	2301.2	2312.8
12.5°	2567.3	2528.0	2473.6	2392.6	2290.8	2216.8	2193.6	2180.9	2185.5
15°	2457.4	2411.1	2351.0	2270.0	2168.2	2094.1	2080.2	2072.1	2074.5
17.5°	2297.8	2252.6	2200.6	2121.9	2028.2	1968.0	1968.0	1962.2	1965.7
20°	2098.8	2074.5	2023.6	1957.6	1877.8	1823.4	1840.8	1835.0	1841.9
22.5°	1883.6	1865.0	1821.1	1766.7	1699.6	1656.8	1695.0	1693.8	1703.1
25°	1637.1	1623.2	1593.2	1546.9	1487.9	1461.3	1524.9	1524.9	1549.2
27.5°	1365.2	1351.3	1330.5	1291.2	1242.6	1234.5	1328.2	1339.8	1366.4
30°	1087.6	1078.3	1066.7	1030.9	990.4	1005.4	1135.0	1154.7	1184.7
32.5°	840.0	834.2	830.7	798.3	762.4	812.2	960.3	985.7	1015.8
35°	634.0	621.3	630.6	606.3	573.9	636.3	799.5	821.5	845.8
37.5°	467.4	458.2	466.3	448.9	420.0	488.2	642.1	656.0	672.2
40°	335.5	327.4	334.4	324.0	300.8	364.4	503.3	518.3	525.3
42.5°	238.3	224.5	231.4	223.3	211.7	274.2	395.7	409.6	411.9
45°	150.4	145.8	150.4	145.8	143.5	203.6	312.4	325.1	330.9
47.5°	91.4	85.6	85.6	83.3	85.6	150.4	258.0	276.5	285.8
50°	52.1	49.8	48.6	47.4	52.1	118.0	223.3	244.1	255.7
52.5°	34.7	33.6	33.6	32.4	38.2	99.5	201.3	219.8	231.4
55°	25.5	24.3	24.3	24.3	30.1	85.6	185.1	200.2	210.6
57.5°	19.7	19.7	19.7	18.5	25.5	72.9	165.4	173.5	181.6
60°	16.2	15.0	15.0	15.0	20.8	62.5	142.3	145.8	150.4
62.5°	12.7	12.7	12.7	12.7	17.4	55.5	122.6	122.6	125.0
65°	11.6	10.4	10.4	10.4	15.0	48.6	103.0	101.8	104.1
67.5°	9.3	9.3	9.3	9.3	12.7	41.7	84.5	83.3	85.6
70°	8.1	8.1	8.1	8.1	10.4	34.7	68.3	67.1	69.4
72.5°	6.9	6.9	6.9	6.9	9.3	28.9	54.4	54.4	55.5
75°	5.8	5.8	5.8	5.8	8.1	22.0	44.0	44.0	45.1
77.5°	4.6	4.6	4.6	4.6	5.8	17.4	33.6	32.4	32.4
80°	2.3	3.5	3.5	3.5	4.6	12.7	24.3	22.0	22.0
82.5°	1.2	2.3	2.3	2.3	4.6	9.3	16.2	15.0	15.0
85°	1.2	1.2	1.2	3.5	4.6	6.9	10.4	10.4	10.4
87.5°	0.0	1.2	2.3	4.6	5.8	5.8	6.9	5.8	5.8
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)