

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: P799479

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799479
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 EU6259027 6LBMDSWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

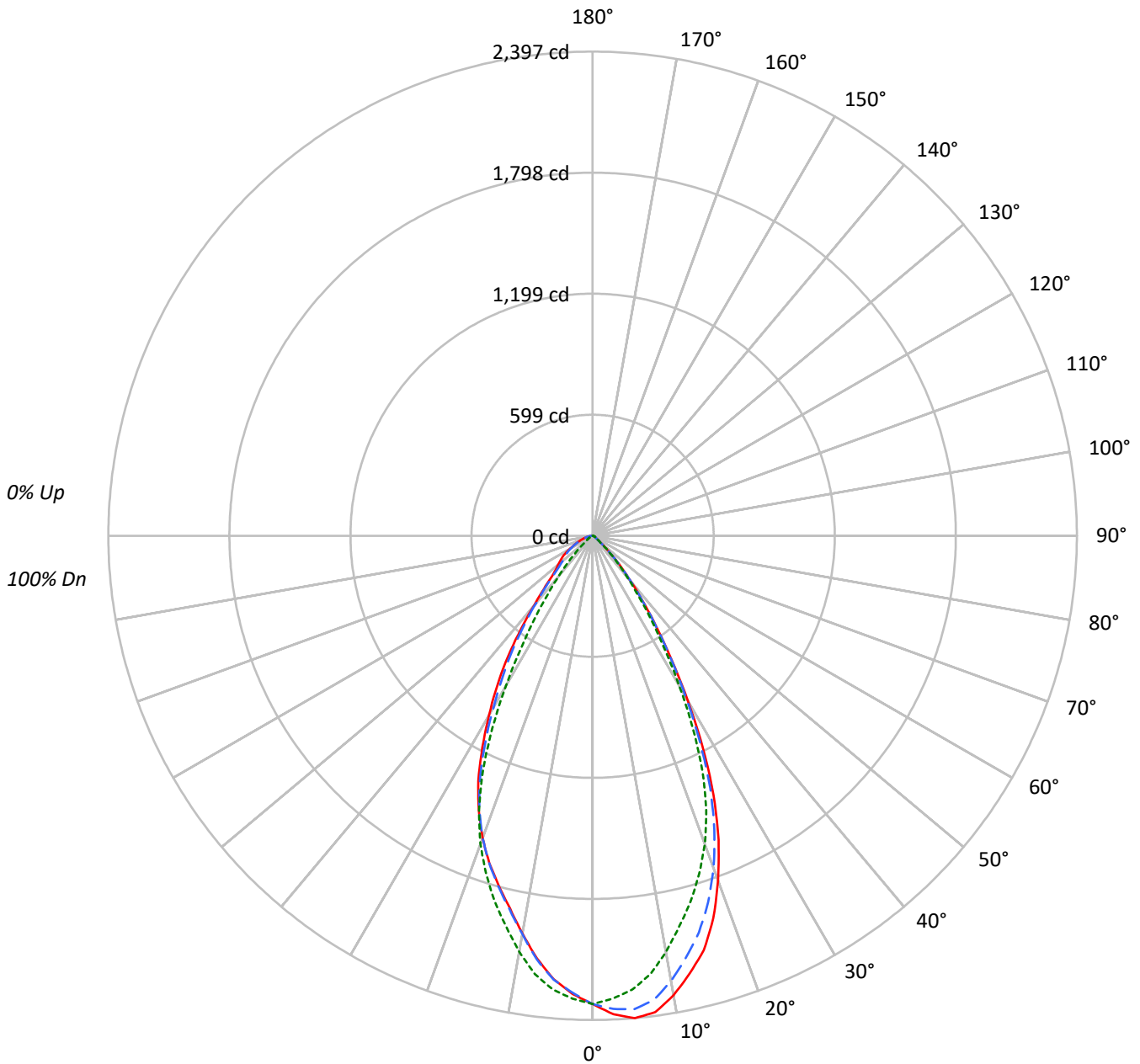
Lumens per Lamp: N/A
Luminaire Lumens: 1996.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	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°	127090	127090	127090
5°	131922	124108	121302
10°	128549	116414	111293
15°	120563	106374	101777
20°	105843	94695	92886
25°	85602	77799	81005
30°	59509	54192	64826
35°	36681	33201	48927
40°	20753	18606	32497
45°	10079	9613	22173
50°	3838	3838	18848
55°	2103	2485	17395
60°	1535	1974	14253
65°	1297	1686	11674
70°	1122	1443	9617
75°	1059	1483	8261
80°	631	1263	5998
85°	629	2516	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.2	10.6
10°-20°	533.4	26.7
20°-30°	600.5	30.1
30°-40°	371.8	18.6
40°-50°	148.1	7.4
50°-60°	67.4	3.4
60°-70°	38.7	1.9
70°-80°	18.4	0.9
80°-90°	5.4	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°	1346.2	67.4
0°-40°	1718.0	86.1
0°-60°	1933.5	96.9
0°-90°	1996.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1996.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2318	2318	2318	2318	2318	
5°	2397	2353	2255	2206	2204	226
15°	2124	2032	1874	1798	1793	588
25°	1415	1377	1286	1318	1339	636
35°	548	545	496	691	731	352
45°	130	130	124	270	286	110
55°	22	21	26	160	182	22
65°	10	9	13	89	90	10
75°	5	5	7	38	39	5
85°	1	1	4	9	9	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°	2318.3	2318.3	2318.3	2318.3	2318.3	2318.3	2318.3	2318.3	2318.3
2.5°	2371.3	2349.3	2344.3	2325.3	2293.3	2275.3	2264.3	2256.3	2270.3
5°	2397.3	2373.3	2353.3	2314.3	2255.3	2222.3	2206.3	2193.3	2204.3
7.5°	2378.3	2344.3	2317.3	2263.3	2188.3	2137.3	2115.3	2100.3	2110.3
10°	2309.3	2268.3	2237.3	2173.3	2091.3	2030.3	2003.3	1989.3	1999.3
12.5°	2219.3	2185.3	2138.3	2068.3	1980.3	1916.3	1896.3	1885.3	1889.3
15°	2124.3	2084.3	2032.3	1962.3	1874.3	1810.3	1798.3	1791.3	1793.3
17.5°	1986.3	1947.3	1902.3	1834.3	1753.2	1701.2	1701.2	1696.2	1699.2
20°	1814.3	1793.3	1749.2	1692.2	1623.2	1576.2	1591.2	1586.2	1592.2
22.5°	1628.2	1612.2	1574.2	1527.2	1469.2	1432.2	1465.2	1464.2	1472.2
25°	1415.2	1403.2	1377.2	1337.2	1286.2	1263.2	1318.2	1318.2	1339.2
27.5°	1180.2	1168.2	1150.2	1116.2	1074.2	1067.2	1148.2	1158.2	1181.2
30°	940.1	932.1	922.1	891.1	856.1	869.1	981.1	998.1	1024.1
32.5°	726.1	721.1	718.1	690.1	659.1	702.1	830.1	852.1	878.1
35°	548.1	537.1	545.1	524.1	496.1	550.1	691.1	710.1	731.1
37.5°	404.1	396.1	403.1	388.1	363.1	422.1	555.1	567.1	581.1
40°	290.0	283.0	289.0	280.0	260.0	315.0	435.1	448.1	454.1
42.5°	206.0	194.0	200.0	193.0	183.0	237.0	342.0	354.1	356.1
45°	130.0	126.0	130.0	126.0	124.0	176.0	270.0	281.0	286.0
47.5°	79.0	74.0	74.0	72.0	74.0	130.0	223.0	239.0	247.0
50°	45.0	43.0	42.0	41.0	45.0	102.0	193.0	211.0	221.0
52.5°	30.0	29.0	29.0	28.0	33.0	86.0	174.0	190.0	200.0
55°	22.0	21.0	21.0	21.0	26.0	74.0	160.0	173.0	182.0
57.5°	17.0	17.0	17.0	16.0	22.0	63.0	143.0	150.0	157.0
60°	14.0	13.0	13.0	13.0	18.0	54.0	123.0	126.0	130.0
62.5°	11.0	11.0	11.0	11.0	15.0	48.0	106.0	106.0	108.0
65°	10.0	9.0	9.0	9.0	13.0	42.0	89.0	88.0	90.0
67.5°	8.0	8.0	8.0	8.0	11.0	36.0	73.0	72.0	74.0
70°	7.0	7.0	7.0	7.0	9.0	30.0	59.0	58.0	60.0
72.5°	6.0	6.0	6.0	6.0	8.0	25.0	47.0	47.0	48.0
75°	5.0	5.0	5.0	5.0	7.0	19.0	38.0	38.0	39.0
77.5°	4.0	4.0	4.0	4.0	5.0	15.0	29.0	28.0	28.0
80°	2.0	3.0	3.0	3.0	4.0	11.0	21.0	19.0	19.0
82.5°	1.0	2.0	2.0	2.0	4.0	8.0	14.0	13.0	13.0
85°	1.0	1.0	1.0	3.0	4.0	6.0	9.0	9.0	9.0
87.5°	0.0	1.0	2.0	4.0	5.0	5.0	6.0	5.0	5.0
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)