

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: P799475

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25D010 EU6259027 6LBMDDWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

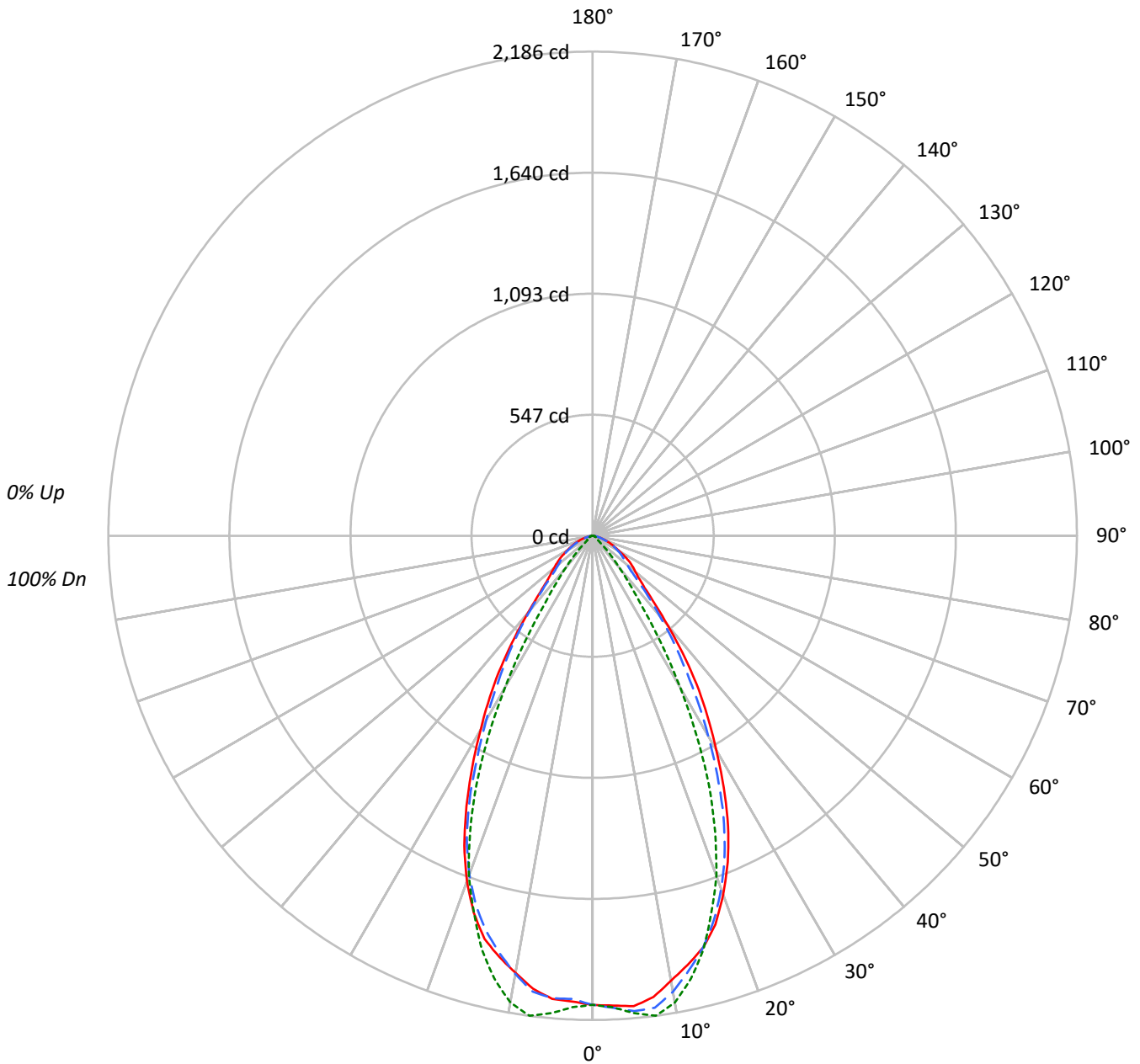
Lumens per Lamp: N/A
Luminaire Lumens: 2156.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	116098	116098	116098
5°	117312	119089	115474
10°	113508	119086	111532
15°	109246	109677	106925
20°	100546	95267	96778
25°	87507	75125	81513
30°	70574	49913	64029
35°	54716	25739	48084
40°	37542	13339	32375
45°	25724	6683	22716
50°	21407	2849	19479
55°	19249	2475	17395
60°	15240	2357	14527
65°	12569	2101	12440
70°	10194	1891	10194
75°	7519	2055	7985
80°	4420	1705	4767
85°	3397	2013	3397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.6	9.4
10°-20°	529.1	24.5
20°-30°	603.9	28.0
30°-40°	400.5	18.6
40°-50°	193.2	9.0
50°-60°	118.8	5.5
60°-70°	71.9	3.3
70°-80°	30.3	1.4
80°-90°	6.7	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°	1334.6	61.9
0°-40°	1735.2	80.5
0°-60°	2047.2	95.0
0°-90°	2156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2156.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2118	2118	2118	2118	2118	
5°	2132	2154	2164	2095	2098	200
15°	1925	1925	1932	1851	1884	536
25°	1447	1398	1242	1314	1348	656
35°	818	721	385	672	718	506
45°	332	291	86	272	293	271
55°	201	164	26	164	182	177
65°	97	93	16	87	96	97
75°	36	36	10	33	38	38
85°	5	8	3	5	5	7
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°	2117.8	2117.8	2117.8	2117.8	2117.8	2117.8	2117.8	2117.8	2117.8
2.5°	2123.1	2126.4	2132.8	2133.9	2130.7	2110.2	2093.0	2099.4	2104.8
5°	2131.8	2138.2	2154.4	2169.5	2164.1	2129.6	2095.1	2094.1	2098.4
7.5°	2100.5	2115.6	2149.0	2186.7	2185.6	2126.4	2075.8	2062.8	2062.8
10°	2039.1	2053.1	2089.8	2140.4	2139.3	2065.0	2009.0	2002.5	2003.6
12.5°	1984.2	1990.7	2009.0	2048.8	2048.8	1975.6	1932.5	1938.9	1947.6
15°	1924.9	1929.3	1924.9	1937.9	1932.5	1872.2	1850.6	1871.1	1884.0
17.5°	1840.9	1843.1	1820.5	1803.2	1782.8	1745.1	1750.4	1780.6	1783.8
20°	1723.5	1737.5	1696.6	1652.4	1633.0	1597.5	1627.6	1661.0	1658.9
22.5°	1594.2	1610.4	1557.6	1484.4	1444.5	1430.5	1484.4	1514.5	1513.5
25°	1446.7	1458.5	1398.2	1295.9	1242.0	1239.8	1314.2	1345.4	1347.6
27.5°	1280.8	1285.1	1217.2	1083.7	1016.9	1033.0	1126.7	1169.8	1175.2
30°	1114.9	1112.7	1042.7	876.8	788.5	832.7	958.7	1006.1	1011.5
32.5°	963.0	956.5	876.8	678.6	573.1	638.8	804.7	854.2	862.8
35°	817.6	806.8	720.6	502.0	384.6	482.6	672.2	715.3	718.5
37.5°	665.7	660.3	592.5	375.9	268.2	366.2	548.3	579.5	576.3
40°	524.6	524.6	468.6	279.0	186.4	272.5	434.1	462.1	452.4
42.5°	411.5	416.9	369.5	205.7	132.5	202.5	343.6	369.5	358.7
45°	331.8	331.8	290.8	153.0	86.2	150.8	271.5	295.2	293.0
47.5°	281.1	276.8	235.9	112.0	47.4	113.1	228.4	257.4	256.4
50°	251.0	244.5	202.5	88.3	33.4	93.7	200.4	227.3	228.4
52.5°	227.3	217.6	182.0	78.6	29.1	81.9	182.0	203.6	203.6
55°	201.4	196.0	163.7	70.0	25.9	73.2	163.7	183.1	182.0
57.5°	170.2	169.1	146.5	63.6	23.7	64.6	146.5	158.3	154.0
60°	139.0	143.3	127.1	57.1	21.5	58.2	125.0	134.6	132.5
62.5°	116.3	121.7	111.0	50.6	18.3	51.7	105.6	115.3	113.1
65°	96.9	101.3	92.6	43.1	16.2	43.1	87.3	95.9	95.9
67.5°	79.7	82.9	76.5	35.5	14.0	35.5	71.1	78.6	79.7
70°	63.6	65.7	60.3	28.0	11.8	29.1	56.0	63.6	63.6
72.5°	49.6	50.6	47.4	22.6	10.8	22.6	43.1	49.6	49.6
75°	35.5	37.7	35.5	17.2	9.7	17.2	33.4	36.6	37.7
77.5°	20.5	25.9	25.9	14.0	7.5	12.9	23.7	24.8	24.8
80°	14.0	16.2	18.3	9.7	5.4	9.7	15.1	16.2	15.1
82.5°	9.7	10.8	10.8	6.5	4.3	6.5	9.7	10.8	9.7
85°	5.4	7.5	7.5	5.4	3.2	4.3	5.4	6.5	5.4
87.5°	3.2	4.3	5.4	4.3	3.2	3.2	3.2	3.2	2.2
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)