

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: P799499

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799499
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 EU6259035 6LBMDDWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

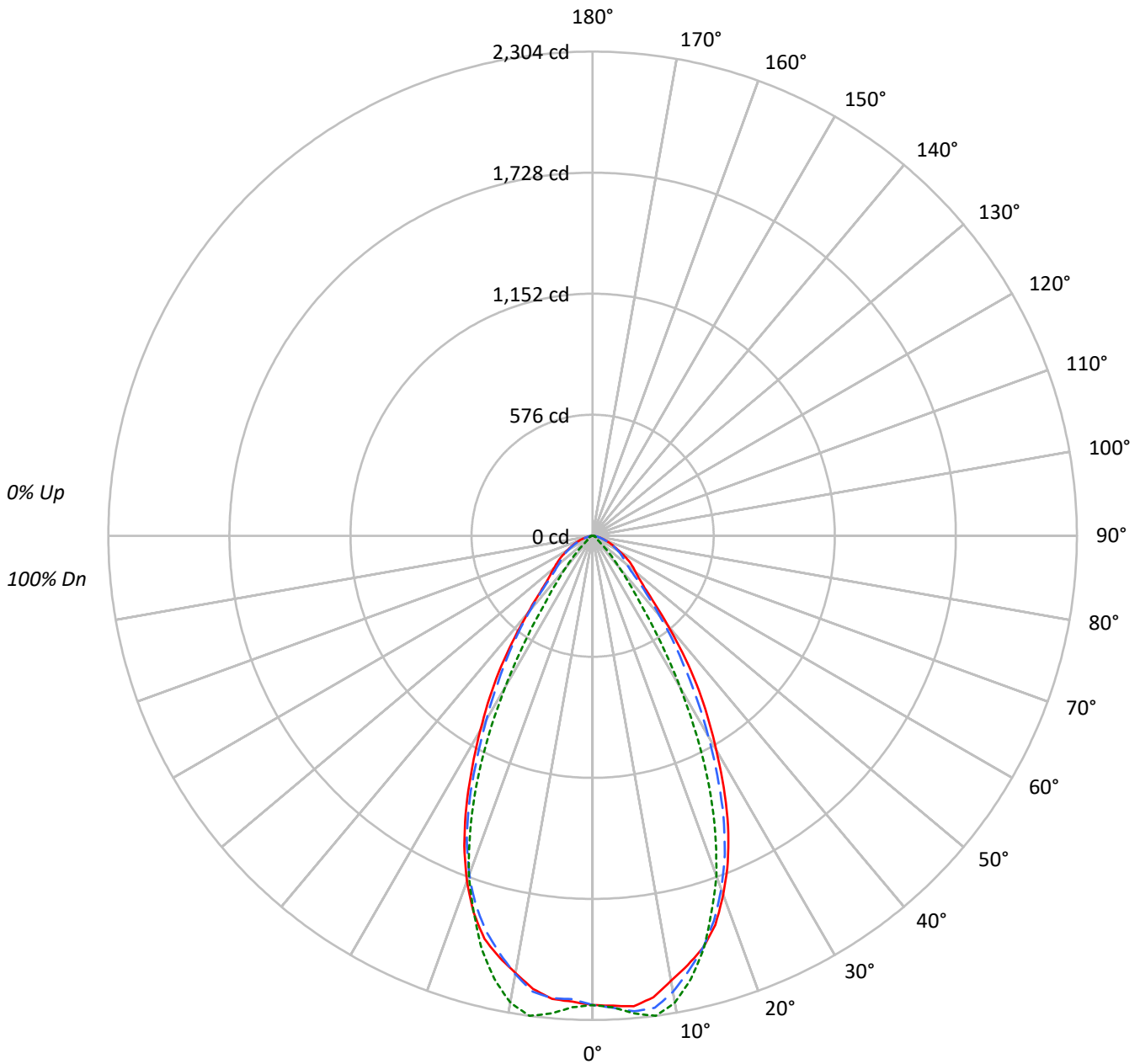
Lumens per Lamp: N/A
Luminaire Lumens: 2273.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	122397	122397	122397
5°	123673	125550	121736
10°	119670	125549	117583
15°	115177	115631	112731
20°	106001	100435	102028
25°	92255	79202	85934
30°	74404	52622	67504
35°	57688	27131	50694
40°	39581	14062	34135
45°	27119	7047	23948
50°	22566	3002	20537
55°	20300	2609	18341
60°	16062	2489	15317
65°	13257	2205	13114
70°	10739	2004	10739
75°	7943	2160	8409
80°	4672	1799	5020
85°	3585	2139	3585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	9.4
10°-20°	557.8	24.5
20°-30°	636.7	28.0
30°-40°	422.3	18.6
40°-50°	203.7	9.0
50°-60°	125.3	5.5
60°-70°	75.8	3.3
70°-80°	31.9	1.4
80°-90°	7.0	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°	1407.1	61.9
0°-40°	1829.3	80.5
0°-60°	2158.3	95.0
0°-90°	2273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2273.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2233	2233	2233	2233	2233	
5°	2247	2271	2282	2209	2212	211
15°	2029	2029	2037	1951	1986	566
25°	1525	1474	1309	1386	1421	692
35°	862	760	405	709	758	533
45°	350	307	91	286	309	285
55°	212	173	27	173	192	187
65°	102	98	17	92	101	103
75°	38	38	10	35	40	40
85°	6	8	3	6	6	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°	2232.7	2232.7	2232.7	2232.7	2232.7	2232.7	2232.7	2232.7	2232.7
2.5°	2238.4	2241.8	2248.6	2249.7	2246.3	2224.7	2206.6	2213.4	2219.1
5°	2247.4	2254.3	2271.3	2287.2	2281.5	2245.2	2208.8	2207.7	2212.2
7.5°	2214.5	2230.4	2265.6	2305.4	2304.2	2241.8	2188.4	2174.8	2174.8
10°	2149.8	2164.5	2203.2	2256.5	2255.4	2177.0	2118.0	2111.2	2112.3
12.5°	2091.9	2098.7	2118.0	2160.0	2160.0	2082.8	2037.4	2044.2	2053.3
15°	2029.4	2033.9	2029.4	2043.0	2037.4	1973.8	1951.0	1972.6	1986.3
17.5°	1940.8	1943.1	1919.2	1901.1	1879.5	1839.8	1845.4	1877.2	1880.6
20°	1817.0	1831.8	1788.6	1742.1	1721.6	1684.2	1716.0	1751.2	1748.9
22.5°	1680.8	1697.8	1642.1	1564.9	1522.9	1508.1	1564.9	1596.7	1595.6
25°	1525.2	1537.7	1474.1	1366.2	1309.4	1307.1	1385.5	1418.4	1420.7
27.5°	1350.3	1354.8	1283.3	1142.5	1072.1	1089.1	1187.9	1233.3	1239.0
30°	1175.4	1173.1	1099.3	924.4	831.3	877.9	1010.7	1060.7	1066.4
32.5°	1015.3	1008.5	924.4	715.5	604.2	673.4	848.3	900.6	909.7
35°	862.0	850.6	759.7	529.2	405.4	508.8	708.6	754.1	757.5
37.5°	701.8	696.2	624.6	396.3	282.8	386.1	578.0	611.0	607.6
40°	553.1	553.1	494.0	294.1	196.5	287.3	457.7	487.2	477.0
42.5°	433.8	439.5	389.5	216.9	139.7	213.5	362.3	389.5	378.2
45°	349.8	349.8	306.6	161.3	90.9	159.0	286.2	311.2	308.9
47.5°	296.4	291.9	248.7	118.1	50.0	119.2	240.8	271.4	270.3
50°	264.6	257.8	213.5	93.1	35.2	98.8	211.2	239.6	240.8
52.5°	239.6	229.4	191.9	82.9	30.7	86.3	191.9	214.6	214.6
55°	212.4	206.7	172.6	73.8	27.3	77.2	172.6	193.1	191.9
57.5°	179.4	178.3	154.4	67.0	25.0	68.1	154.4	166.9	162.4
60°	146.5	151.0	134.0	60.2	22.7	61.3	131.7	142.0	139.7
62.5°	122.7	128.3	117.0	53.4	19.3	54.5	111.3	121.5	119.2
65°	102.2	106.8	97.7	45.4	17.0	45.4	92.0	101.1	101.1
67.5°	84.0	87.4	80.6	37.5	14.8	37.5	75.0	82.9	84.0
70°	67.0	69.3	63.6	29.5	12.5	30.7	59.1	67.0	67.0
72.5°	52.2	53.4	50.0	23.8	11.4	23.8	45.4	52.2	52.2
75°	37.5	39.7	37.5	18.2	10.2	18.2	35.2	38.6	39.7
77.5°	21.6	27.3	27.3	14.8	7.9	13.6	25.0	26.1	26.1
80°	14.8	17.0	19.3	10.2	5.7	10.2	15.9	17.0	15.9
82.5°	10.2	11.4	11.4	6.8	4.5	6.8	10.2	11.4	10.2
85°	5.7	7.9	7.9	5.7	3.4	4.5	5.7	6.8	5.7
87.5°	3.4	4.5	5.7	4.5	3.4	3.4	3.4	3.4	2.3
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)