

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: P799480

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799480
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 6LBMDSWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

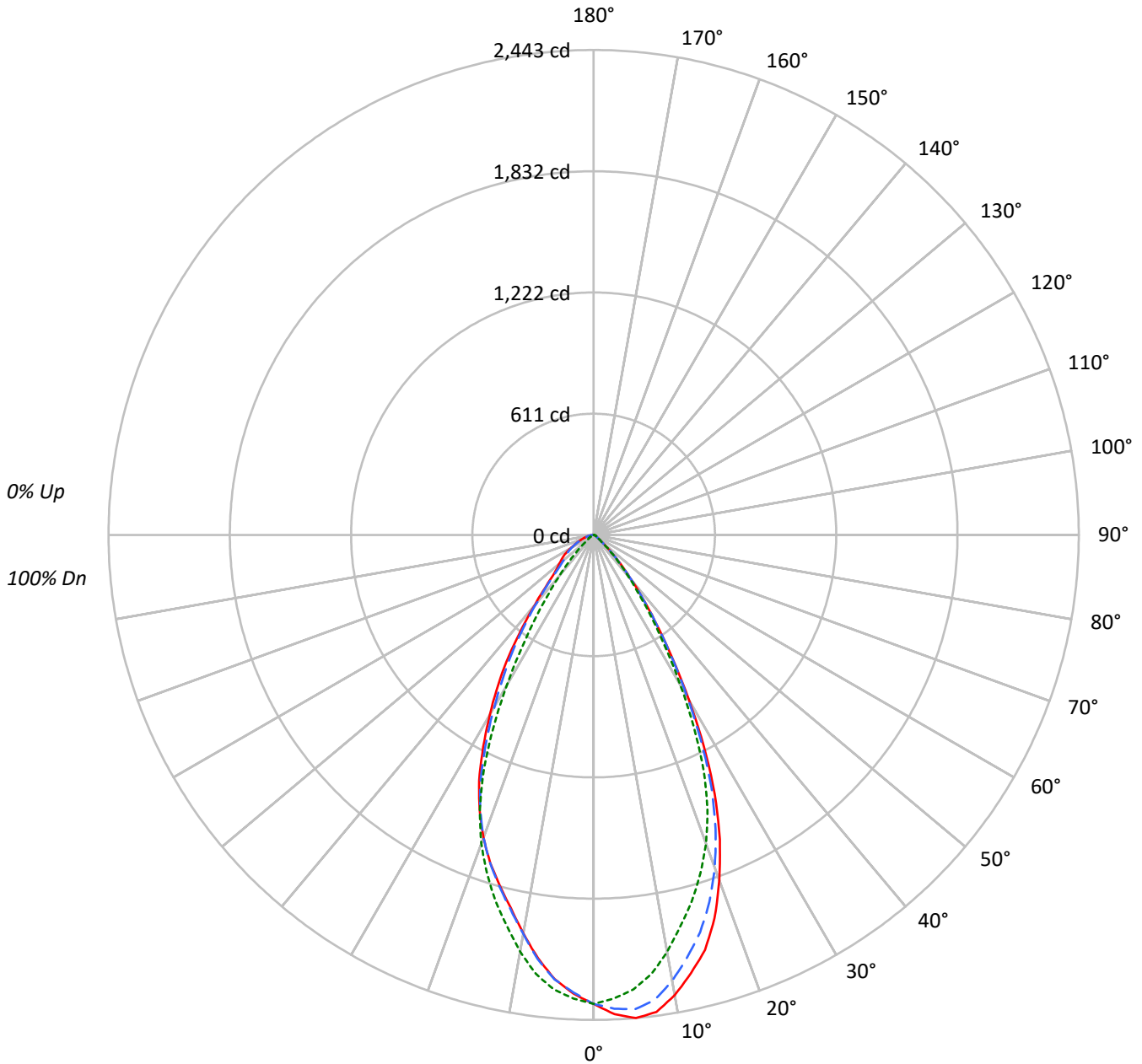
Lumens per Lamp: N/A
Luminaire Lumens: 2034.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	129513	129513	129513
5°	134437	126474	123613
10°	130998	118630	113408
15°	122855	108394	103712
20°	107856	96498	94654
25°	87229	79281	82547
30°	60642	55224	66061
35°	37377	33830	49858
40°	21154	18964	33112
45°	10272	9799	22599
50°	3915	3915	19206
55°	2141	2533	17729
60°	1568	2006	14527
65°	1323	1712	11895
70°	1138	1475	9809
75°	1080	1504	8409
80°	631	1294	6125
85°	629	2579	5787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	10.6
10°-20°	543.6	26.7
20°-30°	611.9	30.1
30°-40°	378.9	18.6
40°-50°	150.9	7.4
50°-60°	68.7	3.4
60°-70°	39.5	1.9
70°-80°	18.8	0.9
80°-90°	5.5	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°	1371.8	67.4
0°-40°	1750.7	86.1
0°-60°	1970.3	96.9
0°-90°	2034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2034.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2362	2362	2362	2362	2362	
5°	2443	2398	2298	2248	2246	230
15°	2165	2071	1910	1832	1827	599
25°	1442	1403	1311	1343	1365	648
35°	558	556	506	704	745	359
45°	132	132	126	275	292	112
55°	22	21	26	163	186	22
65°	10	9	13	91	92	10
75°	5	5	7	39	40	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°	2362.5	2362.5	2362.5	2362.5	2362.5	2362.5	2362.5	2362.5	2362.5
2.5°	2416.5	2394.1	2389.0	2369.6	2337.0	2318.6	2307.4	2299.3	2313.5
5°	2443.0	2418.5	2398.1	2358.4	2298.3	2264.6	2248.3	2235.1	2246.3
7.5°	2423.6	2389.0	2361.4	2306.4	2230.0	2178.0	2155.6	2140.3	2150.5
10°	2353.3	2311.5	2279.9	2214.7	2131.1	2068.9	2041.4	2027.2	2037.3
12.5°	2261.6	2226.9	2179.0	2107.7	2018.0	1952.8	1932.4	1921.2	1925.2
15°	2164.7	2124.0	2071.0	1999.6	1909.9	1844.7	1832.5	1825.4	1827.4
17.5°	2024.1	1984.3	1938.5	1869.2	1786.6	1733.6	1733.6	1728.5	1731.6
20°	1848.8	1827.4	1782.6	1724.5	1654.1	1606.2	1621.5	1616.4	1622.5
22.5°	1659.2	1642.9	1604.2	1556.3	1497.2	1459.5	1493.1	1492.1	1500.2
25°	1442.1	1429.9	1403.4	1362.6	1310.7	1287.2	1343.3	1343.3	1364.7
27.5°	1202.6	1190.4	1172.1	1137.4	1094.6	1087.5	1170.0	1180.2	1203.7
30°	958.0	949.9	939.7	908.1	872.4	885.7	999.8	1017.1	1043.6
32.5°	739.9	734.8	731.8	703.2	671.6	715.5	845.9	868.3	894.8
35°	558.5	547.3	555.5	534.1	505.5	560.6	704.3	723.6	745.0
37.5°	411.7	403.6	410.7	395.4	370.0	430.1	565.6	577.9	592.1
40°	295.6	288.4	294.5	285.4	265.0	321.0	443.3	456.6	462.7
42.5°	210.0	197.7	203.8	196.7	186.5	241.5	348.6	360.8	362.8
45°	132.5	128.4	132.5	128.4	126.4	179.4	275.2	286.4	291.5
47.5°	80.5	75.4	75.4	73.4	75.4	132.5	227.3	243.6	251.7
50°	45.9	43.8	42.8	41.8	45.9	104.0	196.7	215.0	225.2
52.5°	30.6	29.6	29.6	28.5	33.6	87.6	177.3	193.6	203.8
55°	22.4	21.4	21.4	21.4	26.5	75.4	163.1	176.3	185.5
57.5°	17.3	17.3	17.3	16.3	22.4	64.2	145.7	152.9	160.0
60°	14.3	13.2	13.2	13.2	18.3	55.0	125.4	128.4	132.5
62.5°	11.2	11.2	11.2	11.2	15.3	48.9	108.0	108.0	110.1
65°	10.2	9.2	9.2	9.2	13.2	42.8	90.7	89.7	91.7
67.5°	8.2	8.2	8.2	8.2	11.2	36.7	74.4	73.4	75.4
70°	7.1	7.1	7.1	7.1	9.2	30.6	60.1	59.1	61.2
72.5°	6.1	6.1	6.1	6.1	8.2	25.5	47.9	47.9	48.9
75°	5.1	5.1	5.1	5.1	7.1	19.4	38.7	38.7	39.7
77.5°	4.1	4.1	4.1	4.1	5.1	15.3	29.6	28.5	28.5
80°	2.0	3.1	3.1	3.1	4.1	11.2	21.4	19.4	19.4
82.5°	1.0	2.0	2.0	2.0	4.1	8.2	14.3	13.2	13.2
85°	1.0	1.0	1.0	3.1	4.1	6.1	9.2	9.2	9.2
87.5°	0.0	1.0	2.0	4.1	5.1	5.1	6.1	5.1	5.1
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)