

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: P799589

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799589
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: LD6C30D010 EU6309050 6LBMDSWMW
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

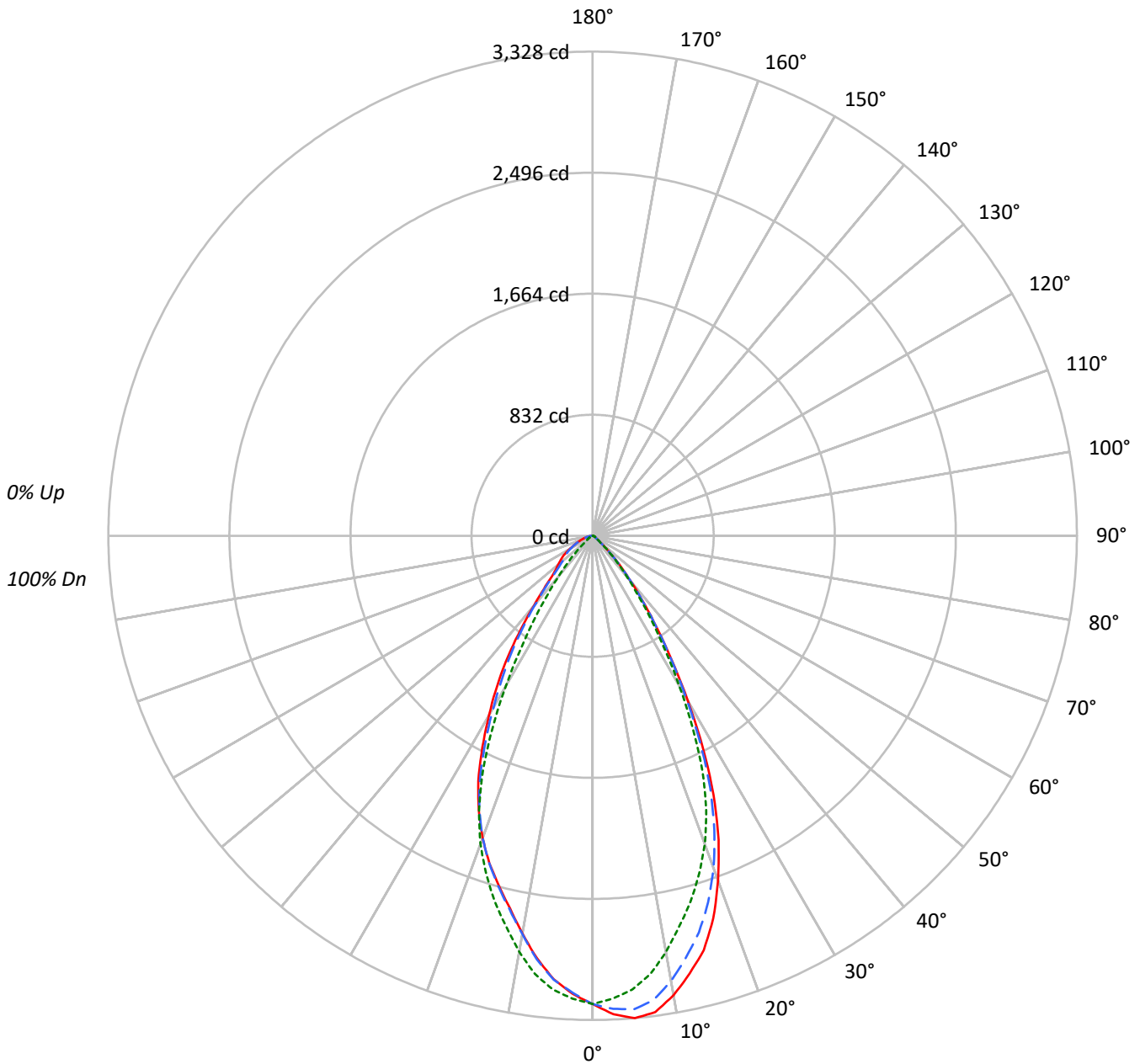
Lumens per Lamp: N/A
Luminaire Lumens: 2771.0 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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			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	57	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°	176439	176439	176439
5°	183149	172298	168402
10°	178465	161615	154506
15°	167373	147674	141289
20°	146937	131466	128951
25°	118840	108006	112458
30°	82620	75233	90001
35°	50922	46090	67927
40°	28818	25834	45113
45°	13994	13350	30786
50°	5330	5330	26174
55°	2915	3450	24152
60°	2127	2741	19790
65°	1803	2348	16214
70°	1555	2004	13352
75°	1461	2055	11480
80°	884	1768	8334
85°	881	3522	7862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.6	10.6
10°-20°	740.5	26.7
20°-30°	833.6	30.1
30°-40°	516.2	18.6
40°-50°	205.6	7.4
50°-60°	93.6	3.4
60°-70°	53.8	1.9
70°-80°	25.6	0.9
80°-90°	7.5	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°	1868.8	67.4
0°-40°	2385.0	86.1
0°-60°	2684.2	96.9
0°-90°	2771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2771.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3218	3218	3218	3218	3218	
5°	3328	3267	3131	3063	3060	313
15°	2949	2821	2602	2496	2490	816
25°	1965	1912	1786	1830	1859	883
35°	761	757	689	959	1015	489
45°	180	180	172	375	397	153
55°	30	29	36	222	253	30
65°	14	12	18	124	125	14
75°	7	7	10	53	54	7
85°	1	1	6	12	12	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°	3218.5	3218.5	3218.5	3218.5	3218.5	3218.5	3218.5	3218.5	3218.5
2.5°	3292.1	3261.5	3254.6	3228.2	3183.8	3158.8	3143.5	3132.4	3151.8
5°	3328.2	3294.8	3267.1	3212.9	3131.0	3085.2	3063.0	3044.9	3060.2
7.5°	3301.8	3254.6	3217.1	3142.1	3038.0	2967.2	2936.6	2915.8	2929.7
10°	3206.0	3149.1	3106.0	3017.2	2903.3	2818.6	2781.1	2761.7	2775.6
12.5°	3081.0	3033.8	2968.6	2871.4	2749.2	2660.3	2632.5	2617.3	2622.8
15°	2949.1	2893.6	2821.4	2724.2	2602.0	2513.1	2496.5	2486.8	2489.5
17.5°	2757.5	2703.4	2640.9	2546.5	2434.0	2361.8	2361.8	2354.9	2359.0
20°	2518.7	2489.5	2428.4	2349.3	2253.5	2188.2	2209.1	2202.1	2210.4
22.5°	2260.4	2238.2	2185.5	2120.2	2039.7	1988.3	2034.1	2032.7	2043.8
25°	1964.7	1948.0	1911.9	1856.4	1785.6	1753.6	1830.0	1830.0	1859.2
27.5°	1638.4	1621.7	1596.7	1549.5	1491.2	1481.5	1594.0	1607.9	1639.8
30°	1305.2	1294.1	1280.2	1237.1	1188.5	1206.6	1362.1	1385.7	1421.8
32.5°	1008.0	1001.1	996.9	958.0	915.0	974.7	1152.4	1183.0	1219.1
35°	760.9	745.6	756.7	727.6	688.7	763.7	959.4	985.8	1015.0
37.5°	560.9	549.8	559.6	538.7	504.0	585.9	770.6	787.3	806.7
40°	402.7	392.9	401.3	388.8	361.0	437.4	604.0	622.0	630.4
42.5°	286.0	269.4	277.7	268.0	254.1	329.1	474.9	491.5	494.3
45°	180.5	174.9	180.5	174.9	172.2	244.4	374.9	390.2	397.1
47.5°	109.7	102.7	102.7	100.0	102.7	180.5	309.6	331.8	343.0
50°	62.5	59.7	58.3	56.9	62.5	141.6	268.0	293.0	306.9
52.5°	41.7	40.3	40.3	38.9	45.8	119.4	241.6	263.8	277.7
55°	30.5	29.2	29.2	29.2	36.1	102.7	222.2	240.2	252.7
57.5°	23.6	23.6	23.6	22.2	30.5	87.5	198.6	208.3	218.0
60°	19.4	18.1	18.1	18.1	25.0	75.0	170.8	174.9	180.5
62.5°	15.3	15.3	15.3	15.3	20.8	66.6	147.2	147.2	150.0
65°	13.9	12.5	12.5	12.5	18.1	58.3	123.6	122.2	125.0
67.5°	11.1	11.1	11.1	11.1	15.3	50.0	101.4	100.0	102.7
70°	9.7	9.7	9.7	9.7	12.5	41.7	81.9	80.5	83.3
72.5°	8.3	8.3	8.3	8.3	11.1	34.7	65.3	65.3	66.6
75°	6.9	6.9	6.9	6.9	9.7	26.4	52.8	52.8	54.2
77.5°	5.6	5.6	5.6	5.6	6.9	20.8	40.3	38.9	38.9
80°	2.8	4.2	4.2	4.2	5.6	15.3	29.2	26.4	26.4
82.5°	1.4	2.8	2.8	2.8	5.6	11.1	19.4	18.1	18.1
85°	1.4	1.4	1.4	4.2	5.6	8.3	12.5	12.5	12.5
87.5°	0.0	1.4	2.8	5.6	6.9	6.9	8.3	6.9	6.9
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)