

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: P799577

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799577
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 EU6309040 6LBMDSWMW
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

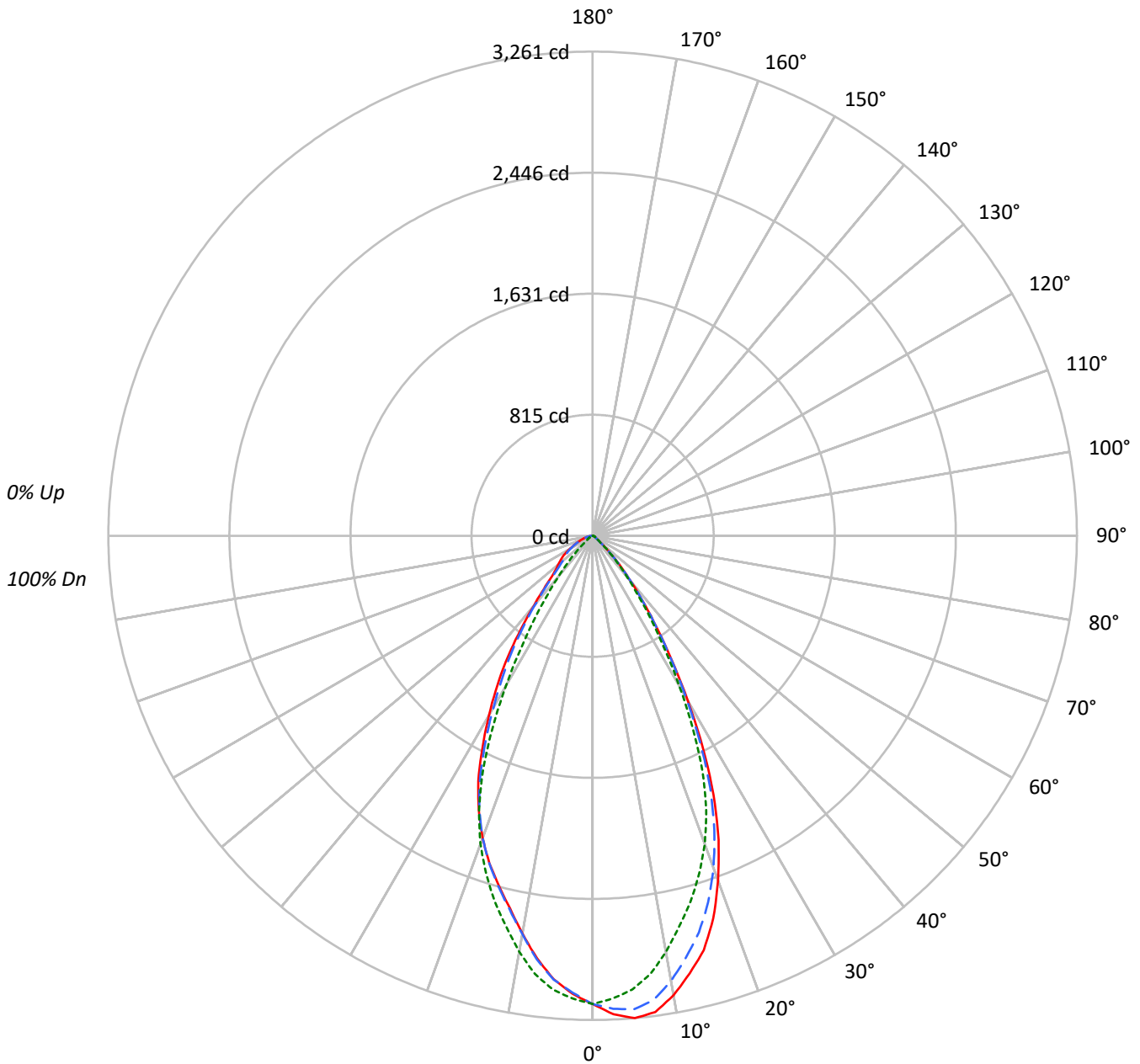
Lumens per Lamp: N/A
Luminaire Lumens: 2715.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799577

CATALOG NUMBER: LD6C30D010 EU6309040 6LBMDSWMW

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	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°	172870	172870	172870
5°	179446	168814	165001
10°	174858	158347	151383
15°	163991	144689	138434
20°	143968	128811	126349
25°	116438	105823	110184
30°	80949	73714	88184
35°	49891	45160	66555
40°	28231	25312	44197
45°	13715	13079	30166
50°	5219	5219	25645
55°	2858	3383	23665
60°	2083	2686	19395
65°	1764	2296	15877
70°	1523	1955	13079
75°	1440	2012	11247
80°	852	1705	8145
85°	881	3397	7674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	10.6
10°-20°	725.6	26.7
20°-30°	816.8	30.1
30°-40°	505.8	18.6
40°-50°	201.4	7.4
50°-60°	91.7	3.4
60°-70°	52.7	1.9
70°-80°	25.0	0.9
80°-90°	7.3	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°	1831.1	67.4
0°-40°	2336.8	86.1
0°-60°	2630.0	96.9
0°-90°	2715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2715.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3153	3153	3153	3153	3153	
5°	3261	3201	3068	3001	2998	307
15°	2890	2764	2549	2446	2439	799
25°	1925	1873	1750	1793	1822	865
35°	746	741	675	940	994	479
45°	177	177	169	367	389	150
55°	30	29	35	218	248	30
65°	14	12	18	121	122	13
75°	7	7	10	52	53	7
85°	1	1	5	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°	3153.4	3153.4	3153.4	3153.4	3153.4	3153.4	3153.4	3153.4	3153.4
2.5°	3225.5	3195.6	3188.8	3163.0	3119.4	3094.9	3080.0	3069.1	3088.1
5°	3260.9	3228.3	3201.1	3148.0	3067.7	3022.8	3001.1	2983.4	2998.4
7.5°	3235.1	3188.8	3152.1	3078.6	2976.6	2907.2	2877.3	2856.9	2870.5
10°	3141.2	3085.4	3043.2	2956.2	2844.6	2761.6	2724.9	2705.9	2719.5
12.5°	3018.8	2972.5	2908.6	2813.3	2693.6	2606.6	2579.3	2564.4	2569.8
15°	2889.5	2835.1	2764.4	2669.1	2549.4	2462.3	2446.0	2436.5	2439.2
17.5°	2701.8	2648.7	2587.5	2495.0	2384.8	2314.1	2314.1	2307.3	2311.3
20°	2467.8	2439.2	2379.4	2301.8	2208.0	2144.0	2164.4	2157.6	2165.8
22.5°	2214.8	2193.0	2141.3	2077.4	1998.4	1948.1	1993.0	1991.6	2002.5
25°	1925.0	1908.7	1873.3	1818.9	1749.5	1718.2	1793.0	1793.0	1821.6
27.5°	1605.3	1589.0	1564.5	1518.2	1461.1	1451.6	1561.8	1575.4	1606.6
30°	1278.8	1267.9	1254.3	1212.1	1164.5	1182.2	1334.6	1357.7	1393.1
32.5°	987.7	980.9	976.8	938.7	896.5	955.0	1129.1	1159.1	1194.4
35°	745.5	730.5	741.4	712.9	674.8	748.2	940.0	965.9	994.5
37.5°	549.6	538.7	548.2	527.8	493.8	574.1	755.0	771.4	790.4
40°	394.5	385.0	393.2	380.9	353.7	428.5	591.8	609.5	617.6
42.5°	280.2	263.9	272.1	262.6	249.0	322.4	465.3	481.6	484.3
45°	176.9	171.4	176.9	171.4	168.7	239.4	367.3	382.3	389.1
47.5°	107.5	100.7	100.7	97.9	100.7	176.9	303.4	325.1	336.0
50°	61.2	58.5	57.1	55.8	61.2	138.8	262.6	287.0	300.7
52.5°	40.8	39.5	39.5	38.1	44.9	117.0	236.7	258.5	272.1
55°	29.9	28.6	28.6	28.6	35.4	100.7	217.7	235.4	247.6
57.5°	23.1	23.1	23.1	21.8	29.9	85.7	194.5	204.1	213.6
60°	19.0	17.7	17.7	17.7	24.5	73.5	167.3	171.4	176.9
62.5°	15.0	15.0	15.0	15.0	20.4	65.3	144.2	144.2	146.9
65°	13.6	12.2	12.2	12.2	17.7	57.1	121.1	119.7	122.4
67.5°	10.9	10.9	10.9	10.9	15.0	49.0	99.3	97.9	100.7
70°	9.5	9.5	9.5	9.5	12.2	40.8	80.3	78.9	81.6
72.5°	8.2	8.2	8.2	8.2	10.9	34.0	63.9	63.9	65.3
75°	6.8	6.8	6.8	6.8	9.5	25.8	51.7	51.7	53.1
77.5°	5.4	5.4	5.4	5.4	6.8	20.4	39.5	38.1	38.1
80°	2.7	4.1	4.1	4.1	5.4	15.0	28.6	25.8	25.8
82.5°	1.4	2.7	2.7	2.7	5.4	10.9	19.0	17.7	17.7
85°	1.4	1.4	1.4	4.1	5.4	8.2	12.2	12.2	12.2
87.5°	0.0	1.4	2.7	5.4	6.8	6.8	8.2	6.8	6.8
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)