

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: P799736

Luminaire Tested: **LD6C45D010 EU6459035 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799736
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: LD6C45D010 EU6459035 6LBMDDWGPH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

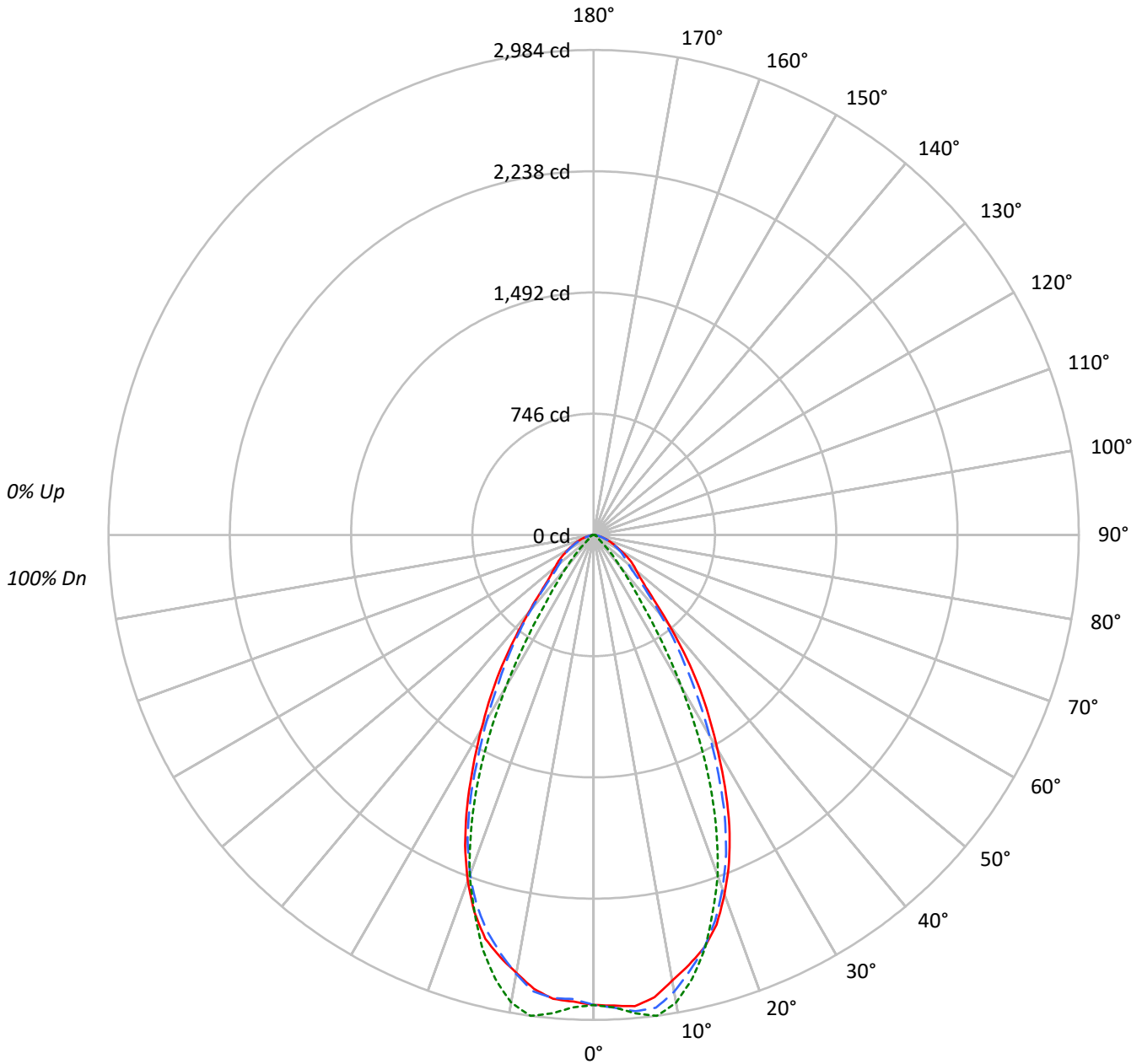
Lumens per Lamp: N/A
Luminaire Lumens: 2944.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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									
RC	80									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°	158529	158529	158529
5°	160186	162612	157676
10°	154996	162611	152296
15°	149178	149762	146005
20°	137294	130089	132148
25°	119487	102581	111303
30°	96369	68156	87431
35°	74713	35141	65658
40°	51260	18213	44211
45°	35120	9125	31019
50°	29227	3889	26592
55°	26293	3374	23760
60°	20799	3223	19834
65°	17174	2867	16980
70°	13913	2597	13913
75°	10273	2796	10908
80°	6030	2336	6503
85°	4655	2768	4655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.3	9.4
10°-20°	722.5	24.5
20°-30°	824.7	28.0
30°-40°	546.9	18.6
40°-50°	263.8	9.0
50°-60°	162.3	5.5
60°-70°	98.2	3.3
70°-80°	41.3	1.4
80°-90°	9.1	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°	1822.4	61.9
0°-40°	2369.3	80.5
0°-60°	2795.4	95.0
0°-90°	2944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2944.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2892	2892	2892	2892	2892	
5°	2911	2942	2955	2861	2865	274
15°	2628	2628	2639	2527	2573	732
25°	1975	1909	1696	1794	1840	896
35°	1116	984	525	918	981	691
45°	453	397	118	371	400	369
55°	275	224	35	224	249	242
65°	132	126	22	119	131	133
75°	48	48	13	46	52	52
85°	7	10	4	7	7	9
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°	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8
2.5°	2899.1	2903.6	2912.4	2913.8	2909.4	2881.5	2858.0	2866.8	2874.1
5°	2910.9	2919.7	2941.8	2962.4	2955.0	2908.0	2860.9	2859.4	2865.3
7.5°	2868.3	2888.8	2934.4	2985.9	2984.5	2903.6	2834.4	2816.8	2816.8
10°	2784.4	2803.5	2853.5	2922.7	2921.2	2819.7	2743.2	2734.4	2735.9
12.5°	2709.4	2718.2	2743.2	2797.6	2797.6	2697.6	2638.8	2647.6	2659.4
15°	2628.5	2634.4	2628.5	2646.1	2638.8	2556.4	2527.0	2554.9	2572.6
17.5°	2513.8	2516.7	2485.8	2462.3	2434.3	2382.9	2390.2	2431.4	2435.8
20°	2353.4	2372.6	2316.7	2256.4	2229.9	2181.3	2222.5	2268.1	2265.2
22.5°	2176.9	2199.0	2126.9	2026.9	1972.5	1953.4	2026.9	2068.1	2066.6
25°	1975.4	1991.6	1909.2	1769.5	1695.9	1693.0	1794.5	1837.2	1840.1
27.5°	1748.9	1754.8	1662.1	1479.7	1388.5	1410.6	1538.6	1597.4	1604.7
30°	1522.4	1519.4	1423.8	1197.3	1076.7	1137.0	1309.1	1373.8	1381.2
32.5°	1315.0	1306.2	1197.3	926.7	782.5	872.2	1098.8	1166.4	1178.2
35°	1116.4	1101.7	984.0	685.4	525.1	659.0	917.8	976.7	981.1
37.5°	909.0	901.7	809.0	513.3	366.3	500.1	748.7	791.3	786.9
40°	716.3	716.3	639.8	381.0	254.5	372.1	592.8	631.0	617.8
42.5°	561.9	569.2	504.5	280.9	180.9	276.5	469.2	504.5	489.8
45°	453.0	453.0	397.1	208.9	117.7	205.9	370.7	403.0	400.1
47.5°	383.9	378.0	322.1	153.0	64.7	154.4	311.8	351.5	350.1
50°	342.7	333.9	276.5	120.6	45.6	128.0	273.6	310.4	311.8
52.5°	310.4	297.1	248.6	107.4	39.7	111.8	248.6	278.0	278.0
55°	275.1	267.7	223.6	95.6	35.3	100.0	223.6	250.1	248.6
57.5°	232.4	230.9	200.0	86.8	32.4	88.3	200.0	216.2	210.3
60°	189.7	195.6	173.6	78.0	29.4	79.4	170.6	183.9	180.9
62.5°	158.9	166.2	151.5	69.1	25.0	70.6	144.1	157.4	154.4
65°	132.4	138.3	126.5	58.8	22.1	58.8	119.1	130.9	130.9
67.5°	108.8	113.3	104.4	48.5	19.1	48.5	97.1	107.4	108.8
70°	86.8	89.7	82.4	38.2	16.2	39.7	76.5	86.8	86.8
72.5°	67.7	69.1	64.7	30.9	14.7	30.9	58.8	67.7	67.7
75°	48.5	51.5	48.5	23.5	13.2	23.5	45.6	50.0	51.5
77.5°	27.9	35.3	35.3	19.1	10.3	17.7	32.4	33.8	33.8
80°	19.1	22.1	25.0	13.2	7.4	13.2	20.6	22.1	20.6
82.5°	13.2	14.7	14.7	8.8	5.9	8.8	13.2	14.7	13.2
85°	7.4	10.3	10.3	7.4	4.4	5.9	7.4	8.8	7.4
87.5°	4.4	5.9	7.4	5.9	4.4	4.4	4.4	4.4	2.9
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)