

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: P799676

Luminaire Tested: **LD6C40D010 EU6409035 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799676
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: LD6C40D010 EU6409035 6LBMDDWGPH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

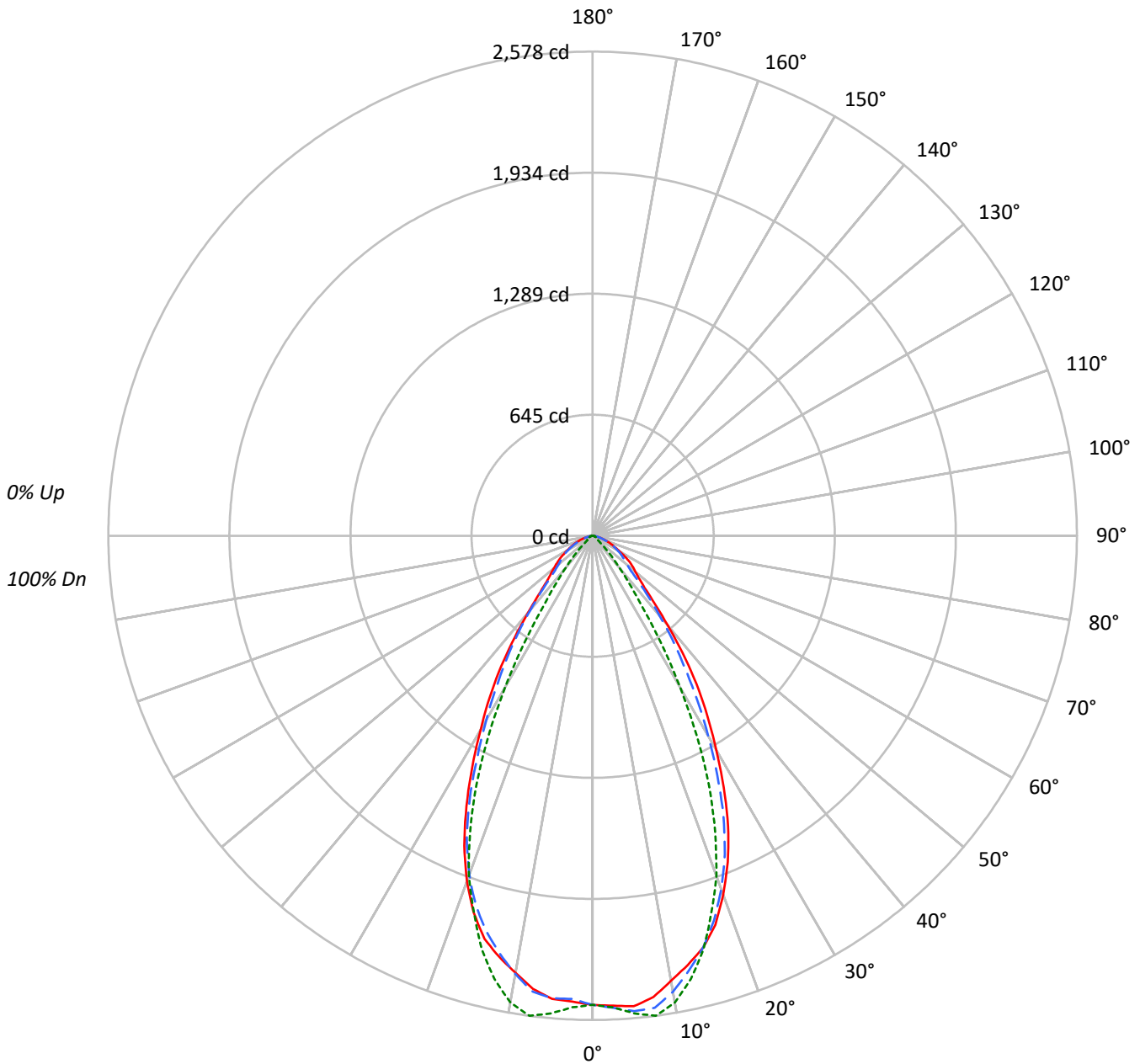
Lumens per Lamp: N/A
Luminaire Lumens: 2543.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	136935	136935	136935
5°	138366	140463	136198
10°	133882	140462	131550
15°	128860	129365	126119
20°	118596	112371	114145
25°	103210	88608	96145
30°	83241	58870	75518
35°	64534	30356	56717
40°	44283	15729	38186
45°	30336	7877	26793
50°	25244	3360	22976
55°	22709	2915	20520
60°	17970	2785	17137
65°	14826	2478	14671
70°	12021	2244	12021
75°	8875	2415	9425
80°	5209	2020	5619
85°	4026	2390	4026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	9.4
10°-20°	624.1	24.5
20°-30°	712.4	28.0
30°-40°	472.4	18.6
40°-50°	227.8	9.0
50°-60°	140.2	5.5
60°-70°	84.8	3.3
70°-80°	35.7	1.4
80°-90°	7.9	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°	1574.2	61.9
0°-40°	2046.6	80.5
0°-60°	2414.6	95.0
0°-90°	2543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2543.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2498	2498	2498	2498	2498	
5°	2514	2541	2552	2471	2475	236
15°	2270	2270	2279	2183	2222	633
25°	1706	1649	1465	1550	1590	774
35°	964	850	454	793	848	596
45°	391	343	102	320	346	319
55°	238	193	30	193	215	209
65°	114	109	19	103	113	115
75°	42	42	11	39	44	45
85°	6	9	4	6	6	8
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°	2497.9	2497.9	2497.9	2497.9	2497.9	2497.9	2497.9	2497.9	2497.9
2.5°	2504.2	2508.1	2515.7	2517.0	2513.1	2489.0	2468.7	2476.3	2482.7
5°	2514.4	2522.0	2541.1	2558.9	2552.5	2511.9	2471.2	2469.9	2475.0
7.5°	2477.6	2495.4	2534.7	2579.2	2577.9	2508.1	2448.3	2433.1	2433.1
10°	2405.1	2421.7	2464.9	2524.6	2523.3	2435.6	2369.6	2361.9	2363.2
12.5°	2340.3	2348.0	2369.6	2416.6	2416.6	2330.2	2279.4	2287.0	2297.2
15°	2270.5	2275.6	2270.5	2285.7	2279.4	2208.2	2182.8	2206.9	2222.2
17.5°	2171.4	2173.9	2147.2	2126.9	2102.8	2058.3	2064.6	2100.2	2104.0
20°	2032.9	2049.4	2001.1	1949.0	1926.2	1884.2	1919.8	1959.2	1956.6
22.5°	1880.4	1899.5	1837.2	1750.8	1703.8	1687.3	1750.8	1786.4	1785.1
25°	1706.3	1720.3	1649.2	1528.5	1464.9	1462.4	1550.1	1586.9	1589.5
27.5°	1510.7	1515.8	1435.7	1278.2	1199.4	1218.5	1329.0	1379.8	1386.2
30°	1315.0	1312.5	1229.9	1034.2	930.0	982.1	1130.8	1186.7	1193.0
32.5°	1135.9	1128.2	1034.2	800.4	675.9	753.4	949.1	1007.5	1017.7
35°	964.3	951.6	850.0	592.1	453.6	569.2	792.8	843.6	847.5
37.5°	785.2	778.8	698.8	443.4	316.4	432.0	646.7	683.6	679.7
40°	618.8	618.8	552.7	329.1	219.8	321.4	512.0	545.1	533.6
42.5°	485.3	491.7	435.8	242.7	156.3	238.9	405.3	435.8	423.1
45°	391.3	391.3	343.0	180.4	101.6	177.9	320.2	348.1	345.6
47.5°	331.6	326.5	278.2	132.1	55.9	133.4	269.4	303.7	302.4
50°	296.0	288.4	238.9	104.2	39.4	110.5	236.3	268.1	269.4
52.5°	268.1	256.7	214.7	92.7	34.3	96.6	214.7	240.1	240.1
55°	237.6	231.2	193.1	82.6	30.5	86.4	193.1	216.0	214.7
57.5°	200.7	199.5	172.8	75.0	28.0	76.2	172.8	186.8	181.7
60°	163.9	169.0	149.9	67.3	25.4	68.6	147.4	158.8	156.3
62.5°	137.2	143.6	130.9	59.7	21.6	61.0	124.5	135.9	133.4
65°	114.3	119.4	109.3	50.8	19.1	50.8	102.9	113.1	113.1
67.5°	94.0	97.8	90.2	41.9	16.5	41.9	83.9	92.7	94.0
70°	75.0	77.5	71.2	33.0	14.0	34.3	66.1	75.0	75.0
72.5°	58.4	59.7	55.9	26.7	12.7	26.7	50.8	58.4	58.4
75°	41.9	44.5	41.9	20.3	11.4	20.3	39.4	43.2	44.5
77.5°	24.1	30.5	30.5	16.5	8.9	15.2	28.0	29.2	29.2
80°	16.5	19.1	21.6	11.4	6.4	11.4	17.8	19.1	17.8
82.5°	11.4	12.7	12.7	7.6	5.1	7.6	11.4	12.7	11.4
85°	6.4	8.9	8.9	6.4	3.8	5.1	6.4	7.6	6.4
87.5°	3.8	5.1	6.4	5.1	3.8	3.8	3.8	3.8	2.5
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)