

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: P799664

Luminaire Tested: **LD6C40D010 EU6409030 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799664
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 EU6409030 6LBMDDWGPH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

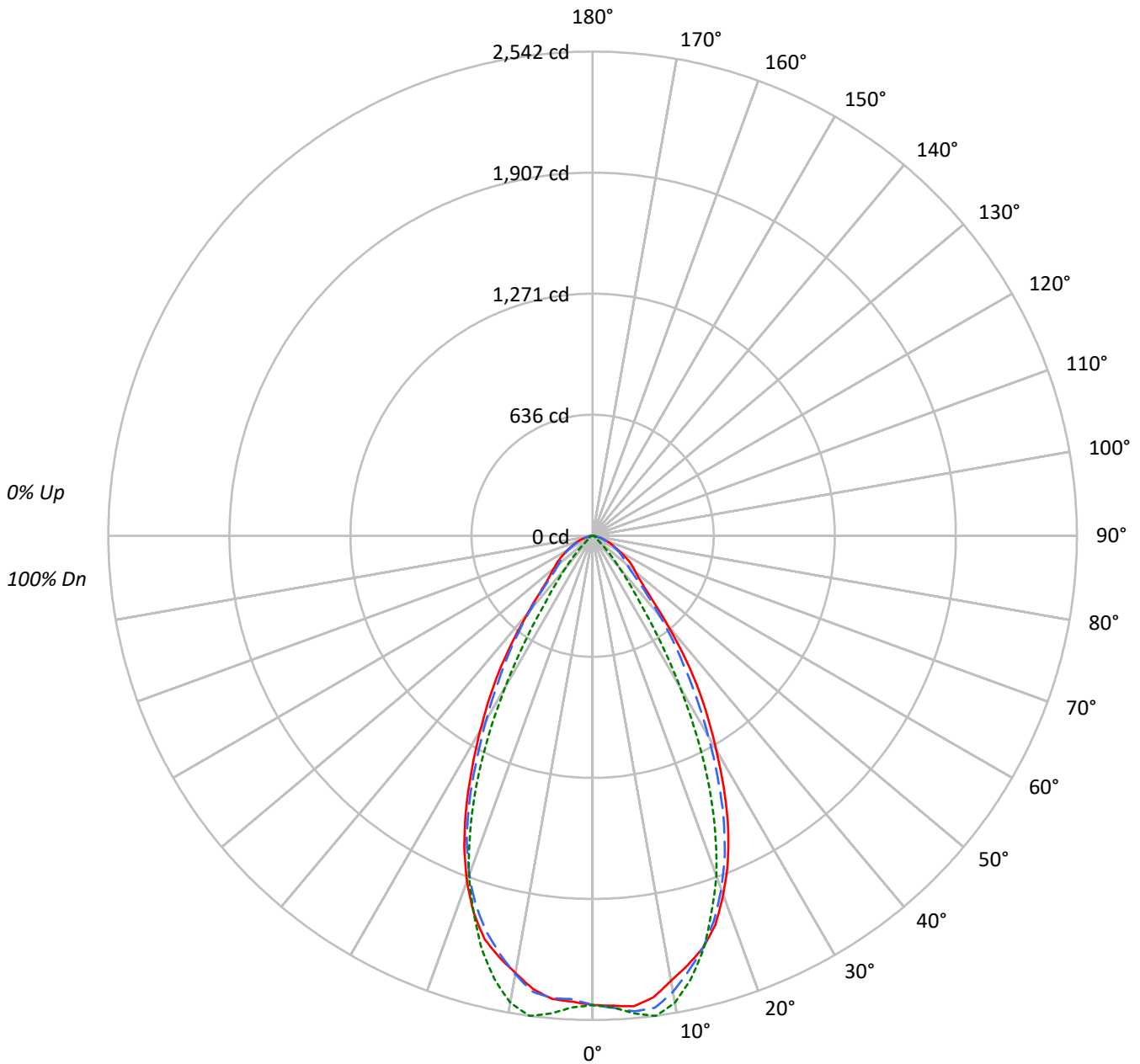
Lumens per Lamp: N/A
Luminaire Lumens: 2508.0 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P799664

CATALOG NUMBER: LD6C40D010 EU6409030 6LBMDDWGPH

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°	135049	135049	135049
5°	136462	138531	134327
10°	132039	138530	129740
15°	127084	127583	124382
20°	116963	110820	112576
25°	101794	87392	94820
30°	82095	58060	74480
35°	63651	29935	55934
40°	43668	15515	37663
45°	29918	7768	26421
50°	24903	3309	22652
55°	22393	2877	20243
60°	17718	2752	16896
65°	14632	2439	14463
70°	11845	2212	11845
75°	8769	2393	9298
80°	5146	1989	5525
85°	3963	2390	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.5	9.4
10°-20°	615.5	24.5
20°-30°	702.5	28.0
30°-40°	465.9	18.6
40°-50°	224.7	9.0
50°-60°	138.2	5.5
60°-70°	83.6	3.3
70°-80°	35.2	1.4
80°-90°	7.8	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°	1552.5	61.9
0°-40°	2018.4	80.5
0°-60°	2381.4	95.0
0°-90°	2508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2464	2464	2464	2464	2464	
5°	2480	2506	2517	2437	2441	233
15°	2239	2239	2248	2153	2192	624
25°	1683	1626	1445	1529	1568	763
35°	951	838	447	782	836	588
45°	386	338	100	316	341	315
55°	234	190	30	190	212	206
65°	113	108	19	102	112	113
75°	41	41	11	39	44	44
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°	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5	2463.5
2.5°	2469.8	2473.5	2481.1	2482.3	2478.6	2454.7	2434.7	2442.2	2448.5
5°	2479.8	2487.3	2506.1	2523.7	2517.4	2477.3	2437.2	2436.0	2441.0
7.5°	2443.5	2461.0	2499.9	2543.7	2542.5	2473.5	2414.6	2399.6	2399.6
10°	2372.0	2388.3	2430.9	2489.8	2488.6	2402.1	2337.0	2329.4	2330.7
12.5°	2308.1	2315.7	2337.0	2383.3	2383.3	2298.1	2248.0	2255.5	2265.5
15°	2239.2	2244.2	2239.2	2254.3	2248.0	2177.8	2152.8	2176.6	2191.6
17.5°	2141.5	2144.0	2117.7	2097.6	2073.8	2030.0	2036.2	2071.3	2075.1
20°	2004.9	2021.2	1973.6	1922.2	1899.6	1858.3	1893.4	1932.2	1929.7
22.5°	1854.5	1873.3	1811.9	1726.7	1680.4	1664.1	1726.7	1761.8	1760.6
25°	1682.9	1696.6	1626.5	1507.4	1444.8	1442.3	1528.7	1565.1	1567.6
27.5°	1489.9	1494.9	1416.0	1260.6	1182.9	1201.7	1310.7	1360.8	1367.1
30°	1296.9	1294.4	1213.0	1020.0	917.2	968.6	1115.2	1170.4	1176.6
32.5°	1120.2	1112.7	1020.0	789.4	666.6	743.1	936.0	993.7	1003.7
35°	951.1	938.5	838.3	583.9	447.3	561.4	781.9	832.0	835.8
37.5°	774.4	768.1	689.2	437.3	312.0	426.0	637.8	674.1	670.4
40°	610.2	610.2	545.1	324.5	216.8	317.0	505.0	537.6	526.3
42.5°	478.7	484.9	429.8	239.3	154.1	235.6	399.7	429.8	417.3
45°	385.9	385.9	338.3	177.9	100.2	175.4	315.8	343.3	340.8
47.5°	327.0	322.0	274.4	130.3	55.1	131.6	265.6	299.5	298.2
50°	292.0	284.4	235.6	102.8	38.8	109.0	233.1	264.4	265.6
52.5°	264.4	253.1	211.8	91.5	33.8	95.2	211.8	236.8	236.8
55°	234.3	228.1	190.5	81.4	30.1	85.2	190.5	213.0	211.8
57.5°	198.0	196.7	170.4	73.9	27.6	75.2	170.4	184.2	179.2
60°	161.6	166.7	147.9	66.4	25.1	67.7	145.4	156.6	154.1
62.5°	135.3	141.6	129.1	58.9	21.3	60.1	122.8	134.1	131.6
65°	112.8	117.8	107.8	50.1	18.8	50.1	101.5	111.5	111.5
67.5°	92.7	96.5	89.0	41.4	16.3	41.4	82.7	91.5	92.7
70°	73.9	76.4	70.2	32.6	13.8	33.8	65.2	73.9	73.9
72.5°	57.6	58.9	55.1	26.3	12.5	26.3	50.1	57.6	57.6
75°	41.4	43.9	41.4	20.0	11.3	20.0	38.8	42.6	43.9
77.5°	23.8	30.1	30.1	16.3	8.8	15.0	27.6	28.8	28.8
80°	16.3	18.8	21.3	11.3	6.3	11.3	17.5	18.8	17.5
82.5°	11.3	12.5	12.5	7.5	5.0	7.5	11.3	12.5	11.3
85°	6.3	8.8	8.8	6.3	3.8	5.0	6.3	7.5	6.3
87.5°	3.8	5.0	6.3	5.0	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)