

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: P799652

Luminaire Tested: **LD6C40D010 EU6409027 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799652
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 EU6409027 6LBMDDWGPH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

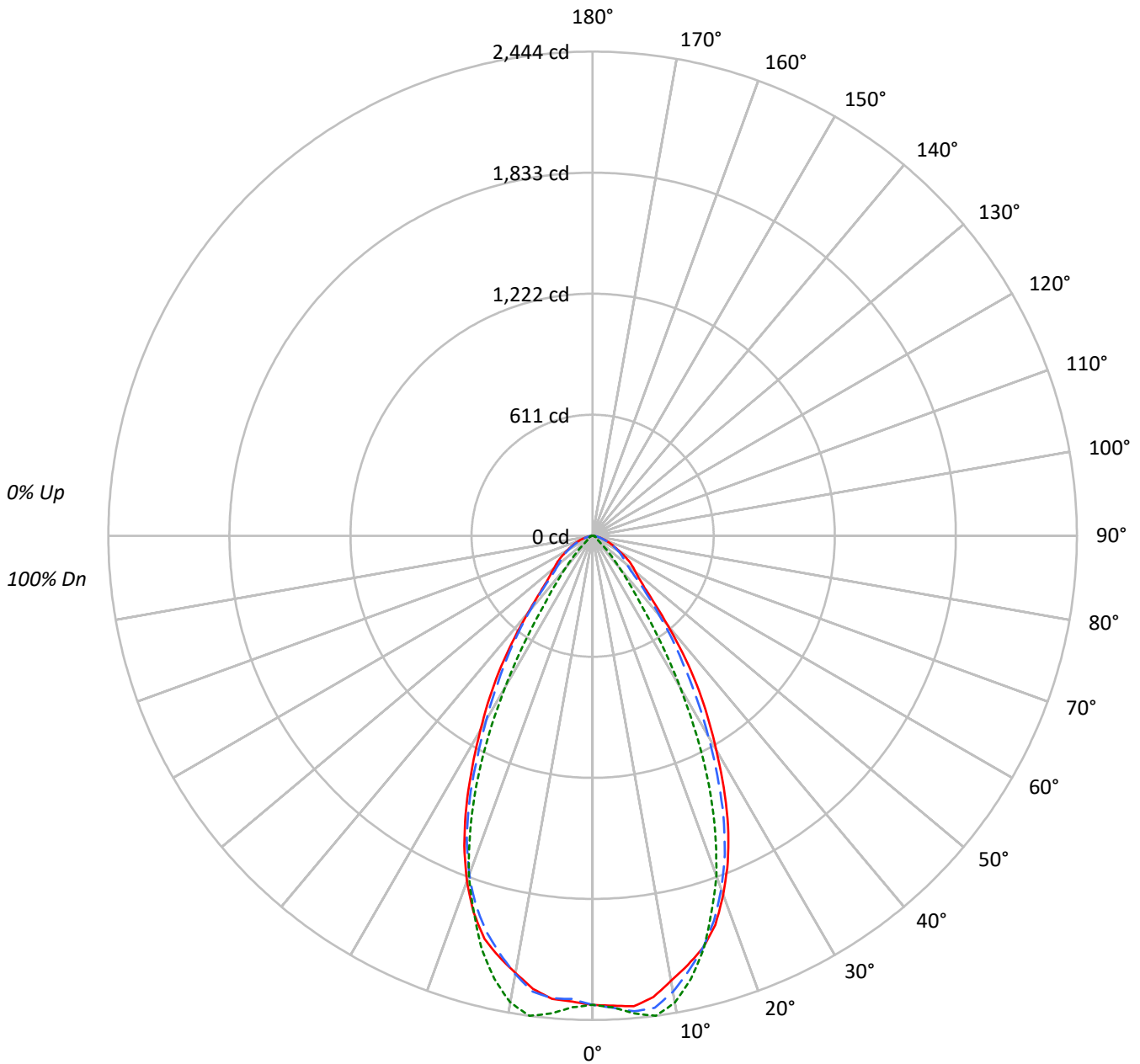
Lumens per Lamp: N/A
Luminaire Lumens: 2411.0 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	129825	129825	129825
5°	131185	133172	129132
10°	126935	133169	124725
15°	122169	122645	119569
20°	112441	106538	108224
25°	97856	84011	91154
30°	78924	55819	71600
35°	61188	28777	53773
40°	41979	14914	36204
45°	28763	7474	25406
50°	23940	3181	21782
55°	21533	2762	19459
60°	17038	2642	16249
65°	14061	2348	13906
70°	11396	2132	11396
75°	8430	2288	8938
80°	4956	1894	5335
85°	3774	2264	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	9.4
10°-20°	591.7	24.5
20°-30°	675.4	28.0
30°-40°	447.9	18.6
40°-50°	216.0	9.0
50°-60°	132.9	5.5
60°-70°	80.4	3.3
70°-80°	33.8	1.4
80°-90°	7.4	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°	1492.5	61.9
0°-40°	1940.4	80.5
0°-60°	2289.3	95.0
0°-90°	2411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2411.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2368	2368	2368	2368	2368	
5°	2384	2409	2420	2343	2347	224
15°	2153	2153	2161	2070	2107	600
25°	1618	1564	1389	1470	1507	734
35°	914	806	430	752	804	565
45°	371	325	96	304	328	303
55°	225	183	29	183	204	198
65°	108	104	18	98	107	109
75°	40	40	11	37	42	42
85°	6	8	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°	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2
2.5°	2374.3	2377.9	2385.1	2386.3	2382.7	2359.8	2340.5	2347.8	2353.8
5°	2383.9	2391.1	2409.2	2426.1	2420.0	2381.5	2342.9	2341.7	2346.6
7.5°	2349.0	2365.8	2403.2	2445.3	2444.1	2377.9	2321.3	2306.8	2306.8
10°	2280.3	2296.0	2336.9	2393.5	2392.3	2309.2	2246.6	2239.3	2240.6
12.5°	2218.9	2226.1	2246.6	2291.1	2291.1	2209.2	2161.0	2168.3	2177.9
15°	2152.6	2157.4	2152.6	2167.1	2161.0	2093.6	2069.5	2092.4	2106.8
17.5°	2058.7	2061.1	2035.8	2016.5	1993.6	1951.4	1957.5	1991.2	1994.8
20°	1927.4	1943.0	1897.2	1847.9	1826.2	1786.4	1820.1	1857.5	1855.1
22.5°	1782.8	1800.9	1741.8	1659.9	1615.4	1599.7	1659.9	1693.7	1692.5
25°	1617.8	1631.0	1563.6	1449.1	1388.9	1386.5	1469.6	1504.5	1507.0
27.5°	1432.3	1437.1	1361.2	1211.8	1137.1	1155.2	1260.0	1308.2	1314.2
30°	1246.8	1244.3	1166.1	980.5	881.8	931.2	1072.1	1125.1	1131.1
32.5°	1076.9	1069.7	980.5	758.9	640.8	714.3	899.8	955.2	964.9
35°	914.3	902.2	805.9	561.3	430.0	539.7	751.7	799.9	803.5
37.5°	744.4	738.4	662.5	420.4	299.9	409.6	613.1	648.1	644.5
40°	586.6	586.6	524.0	312.0	208.4	304.8	485.5	516.8	505.9
42.5°	460.2	466.2	413.2	230.1	148.2	226.5	384.3	413.2	401.1
45°	371.0	371.0	325.2	171.1	96.4	168.6	303.6	330.1	327.7
47.5°	314.4	309.6	263.8	125.3	53.0	126.5	255.4	287.9	286.7
50°	280.7	273.4	226.5	98.8	37.3	104.8	224.1	254.2	255.4
52.5°	254.2	243.3	203.6	87.9	32.5	91.5	203.6	227.7	227.7
55°	225.3	219.2	183.1	78.3	28.9	81.9	183.1	204.8	203.6
57.5°	190.3	189.1	163.8	71.1	26.5	72.3	163.8	177.1	172.3
60°	155.4	160.2	142.1	63.8	24.1	65.0	139.7	150.6	148.2
62.5°	130.1	136.1	124.1	56.6	20.5	57.8	118.1	128.9	126.5
65°	108.4	113.2	103.6	48.2	18.1	48.2	97.6	107.2	107.2
67.5°	89.1	92.8	85.5	39.8	15.7	39.8	79.5	87.9	89.1
70°	71.1	73.5	67.5	31.3	13.3	32.5	62.6	71.1	71.1
72.5°	55.4	56.6	53.0	25.3	12.0	25.3	48.2	55.4	55.4
75°	39.8	42.2	39.8	19.3	10.8	19.3	37.3	41.0	42.2
77.5°	22.9	28.9	28.9	15.7	8.4	14.5	26.5	27.7	27.7
80°	15.7	18.1	20.5	10.8	6.0	10.8	16.9	18.1	16.9
82.5°	10.8	12.0	12.0	7.2	4.8	7.2	10.8	12.0	10.8
85°	6.0	8.4	8.4	6.0	3.6	4.8	6.0	7.2	6.0
87.5°	3.6	4.8	6.0	4.8	3.6	3.6	3.6	3.6	2.4
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)