

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: P799604

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799604
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: LD6C35D010 EU6359030 6LBMDDWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

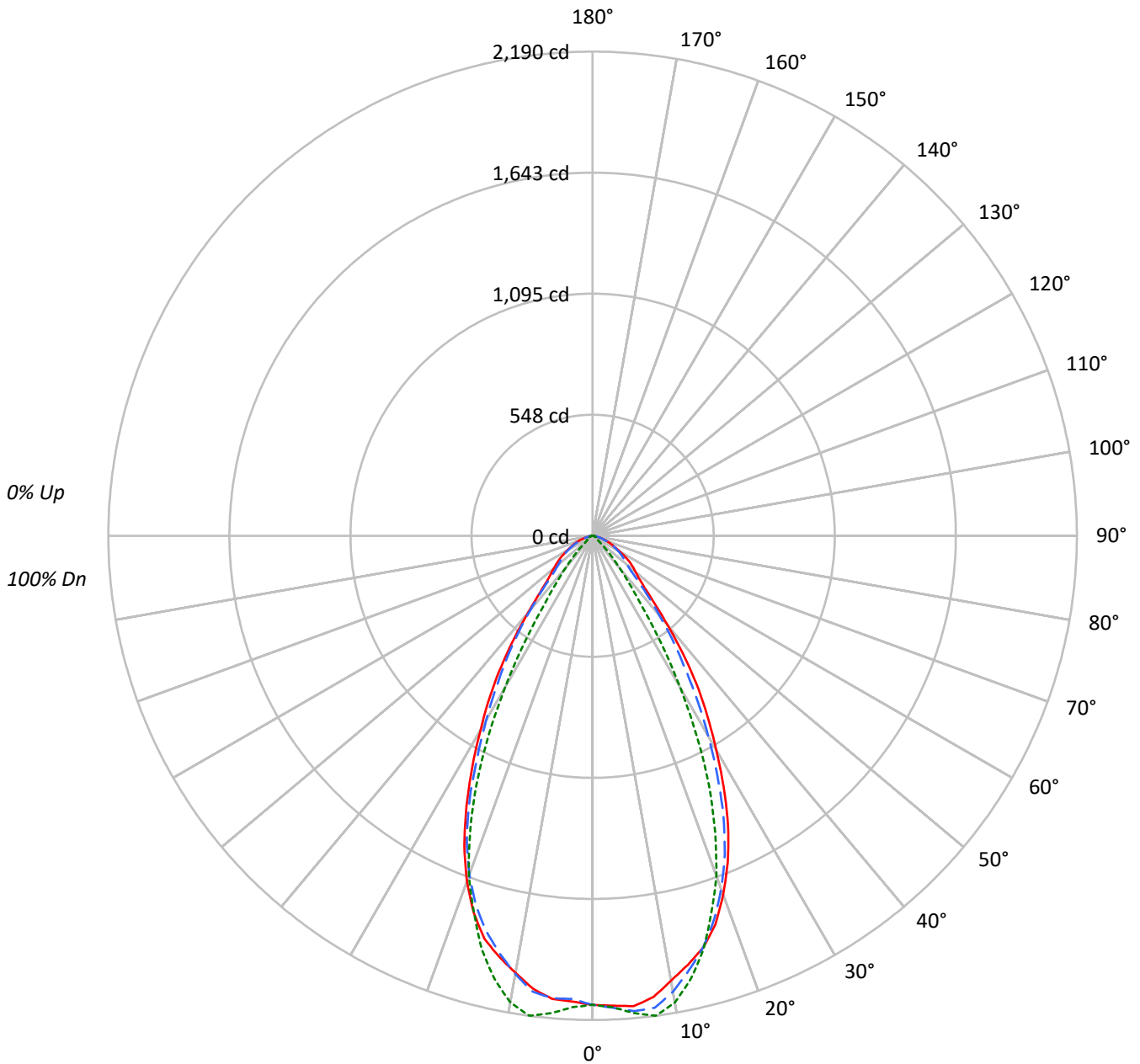
Lumens per Lamp: N/A
Luminaire Lumens: 2160.0 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	116312	116312	116312
5°	117527	119310	115689
10°	113720	119309	111738
15°	109450	109881	107123
20°	100733	95447	96958
25°	87670	75264	81664
30°	70707	50008	64149
35°	54817	25785	48171
40°	37613	13361	32439
45°	25770	6691	22754
50°	21449	2857	19513
55°	19287	2475	17433
60°	15262	2368	14549
65°	12595	2101	12453
70°	10210	1907	10210
75°	7540	2055	8006
80°	4420	1705	4767
85°	3397	2013	3397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.0	9.4
10°-20°	530.1	24.5
20°-30°	605.1	28.0
30°-40°	401.3	18.6
40°-50°	193.5	9.0
50°-60°	119.1	5.5
60°-70°	72.0	3.3
70°-80°	30.3	1.4
80°-90°	6.7	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°	1337.1	61.9
0°-40°	1738.4	80.5
0°-60°	2051.0	95.0
0°-90°	2160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2160.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2122	2122	2122	2122	2122	
5°	2136	2158	2168	2099	2102	201
15°	1928	1928	1936	1854	1888	537
25°	1449	1401	1244	1317	1350	657
35°	819	722	385	673	720	507
45°	332	291	86	272	294	271
55°	202	164	26	164	182	177
65°	97	93	16	87	96	98
75°	36	36	10	34	38	38
85°	5	8	3	5	5	7
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°	2121.7	2121.7	2121.7	2121.7	2121.7	2121.7	2121.7	2121.7	2121.7
2.5°	2127.1	2130.3	2136.8	2137.9	2134.6	2114.1	2096.9	2103.3	2108.7
5°	2135.7	2142.2	2158.4	2173.5	2168.1	2133.6	2099.0	2097.9	2102.3
7.5°	2104.4	2119.5	2153.0	2190.8	2189.7	2130.3	2079.6	2066.7	2066.7
10°	2042.9	2056.9	2093.6	2144.4	2143.3	2068.8	2012.7	2006.2	2007.3
12.5°	1987.9	1994.3	2012.7	2052.6	2052.6	1979.2	1936.1	1942.5	1951.2
15°	1928.5	1932.8	1928.5	1941.5	1936.1	1875.6	1854.1	1874.6	1887.5
17.5°	1844.3	1846.5	1823.8	1806.6	1786.1	1748.3	1753.7	1783.9	1787.1
20°	1726.7	1740.7	1699.7	1655.5	1636.1	1600.4	1630.7	1664.1	1662.0
22.5°	1597.2	1613.4	1560.5	1487.1	1447.2	1433.2	1487.1	1517.3	1516.3
25°	1449.4	1461.2	1400.8	1298.3	1244.3	1242.1	1316.6	1347.9	1350.1
27.5°	1283.2	1287.5	1219.5	1085.7	1018.8	1034.9	1128.8	1172.0	1177.4
30°	1117.0	1114.8	1044.7	878.5	790.0	834.2	960.5	1008.0	1013.4
32.5°	964.8	958.3	878.5	679.9	574.1	640.0	806.2	855.8	864.4
35°	819.1	808.3	722.0	502.9	385.3	483.5	673.4	716.6	719.8
37.5°	666.9	661.5	593.6	376.6	268.7	366.9	549.3	580.6	577.4
40°	525.6	525.6	469.4	279.5	186.7	273.0	434.9	463.0	453.3
42.5°	412.3	417.6	370.2	206.1	132.7	202.9	344.3	370.2	359.4
45°	332.4	332.4	291.4	153.2	86.3	151.1	272.0	295.7	293.5
47.5°	281.7	277.4	236.3	112.2	47.5	113.3	228.8	257.9	256.8
50°	251.5	245.0	202.9	88.5	33.5	93.9	200.7	227.7	228.8
52.5°	227.7	218.0	182.4	78.8	29.1	82.0	182.4	204.0	204.0
55°	201.8	196.4	164.0	70.1	25.9	73.4	164.0	183.5	182.4
57.5°	170.5	169.4	146.8	63.7	23.7	64.8	146.8	158.6	154.3
60°	139.2	143.5	127.3	57.2	21.6	58.3	125.2	134.9	132.7
62.5°	116.6	121.9	111.2	50.7	18.3	51.8	105.8	115.5	113.3
65°	97.1	101.4	92.8	43.2	16.2	43.2	87.4	96.0	96.0
67.5°	79.9	83.1	76.6	35.6	14.0	35.6	71.2	78.8	79.9
70°	63.7	65.8	60.4	28.1	11.9	29.1	56.1	63.7	63.7
72.5°	49.6	50.7	47.5	22.7	10.8	22.7	43.2	49.6	49.6
75°	35.6	37.8	35.6	17.3	9.7	17.3	33.5	36.7	37.8
77.5°	20.5	25.9	25.9	14.0	7.6	13.0	23.7	24.8	24.8
80°	14.0	16.2	18.3	9.7	5.4	9.7	15.1	16.2	15.1
82.5°	9.7	10.8	10.8	6.5	4.3	6.5	9.7	10.8	9.7
85°	5.4	7.6	7.6	5.4	3.2	4.3	5.4	6.5	5.4
87.5°	3.2	4.3	5.4	4.3	3.2	3.2	3.2	3.2	2.2
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)