

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: P799592

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799592
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 EU6359027 6LBMDDWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

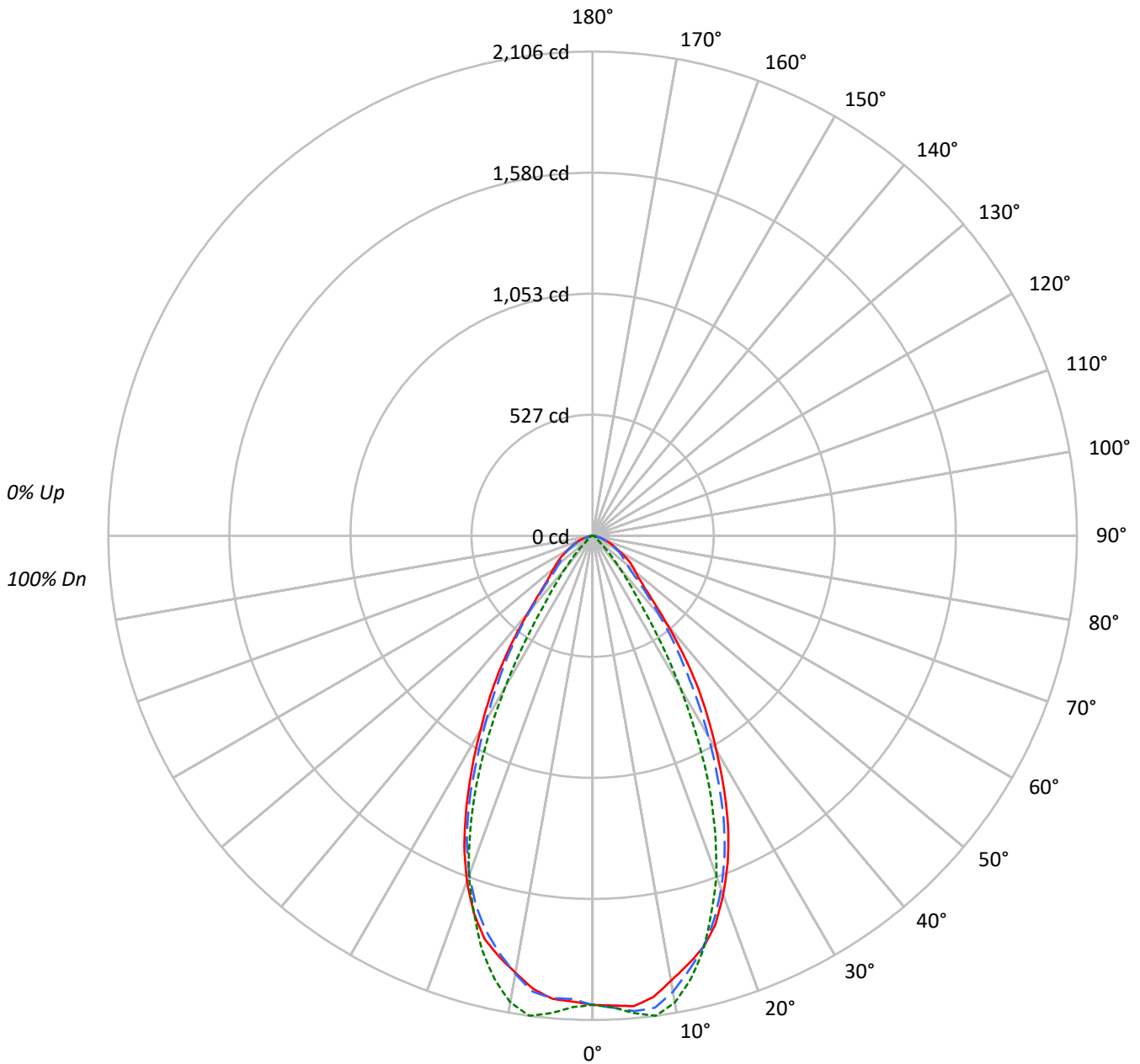
Lumens per Lamp: N/A
Luminaire Lumens: 2077.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	111844	111844	111844
5°	113014	114726	111242
10°	109350	114722	107446
15°	105245	105659	103009
20°	96865	91778	93231
25°	84301	72373	78525
30°	67985	48083	61680
35°	52709	24795	46324
40°	36168	12845	31187
45°	24778	6435	21886
50°	20622	2746	18763
55°	18551	2380	16764
60°	14681	2281	13990
65°	12115	2024	11986
70°	9809	1827	9809
75°	7244	1970	7689
80°	4262	1642	4578
85°	3271	1950	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	9.4
10°-20°	509.7	24.5
20°-30°	581.8	28.0
30°-40°	385.8	18.6
40°-50°	186.1	9.0
50°-60°	114.5	5.5
60°-70°	69.3	3.3
70°-80°	29.1	1.4
80°-90°	6.4	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°	1285.7	61.9
0°-40°	1671.6	80.5
0°-60°	1972.2	95.0
0°-90°	2077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2077.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2040	2040	2040	2040	2040	
5°	2054	2075	2085	2018	2022	193
15°	1854	1854	1862	1783	1815	517
25°	1394	1347	1196	1266	1298	632
35°	788	694	370	648	692	487
45°	320	280	83	262	282	261
55°	194	158	25	158	175	171
65°	93	89	16	84	92	94
75°	34	34	9	32	36	37
85°	5	7	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°	2040.2	2040.2	2040.2	2040.2	2040.2	2040.2	2040.2	2040.2	2040.2
2.5°	2045.4	2048.5	2054.7	2055.7	2052.6	2032.9	2016.3	2022.5	2027.7
5°	2053.7	2059.9	2075.4	2090.0	2084.8	2051.6	2018.4	2017.3	2021.5
7.5°	2023.6	2038.1	2070.3	2106.6	2105.5	2048.5	1999.7	1987.2	1987.2
10°	1964.4	1977.9	2013.2	2062.0	2060.9	1989.3	1935.4	1929.1	1930.2
12.5°	1911.5	1917.7	1935.4	1973.7	1973.7	1903.2	1861.7	1867.9	1876.2
15°	1854.4	1858.6	1854.4	1866.9	1861.7	1803.6	1782.8	1802.5	1815.0
17.5°	1773.5	1775.5	1753.8	1737.1	1717.4	1681.1	1686.3	1715.4	1718.5
20°	1660.4	1673.8	1634.4	1591.9	1573.2	1538.9	1568.0	1600.2	1598.1
22.5°	1535.8	1551.4	1500.5	1430.0	1391.6	1378.1	1430.0	1459.0	1458.0
25°	1393.7	1405.1	1347.0	1248.4	1196.5	1194.4	1266.0	1296.1	1298.2
27.5°	1233.9	1238.0	1172.6	1043.9	979.6	995.2	1085.5	1127.0	1132.2
30°	1074.0	1072.0	1004.5	844.7	759.6	802.2	923.6	969.2	974.4
32.5°	927.7	921.5	844.7	653.8	552.1	615.4	775.2	822.9	831.2
35°	787.6	777.3	694.2	483.6	370.5	464.9	647.5	689.0	692.2
37.5°	641.3	636.1	570.7	362.2	258.4	352.8	528.2	558.3	555.2
40°	505.4	505.4	451.4	268.8	179.5	262.5	418.2	445.2	435.8
42.5°	396.4	401.6	355.9	198.2	127.6	195.1	331.0	355.9	345.6
45°	319.6	319.6	280.2	147.4	83.0	145.3	261.5	284.3	282.3
47.5°	270.8	266.7	227.3	107.9	45.7	109.0	220.0	248.0	247.0
50°	241.8	235.6	195.1	85.1	32.2	90.3	193.0	219.0	220.0
52.5°	219.0	209.6	175.4	75.8	28.0	78.9	175.4	196.1	196.1
55°	194.1	188.9	157.7	67.5	24.9	70.6	157.7	176.4	175.4
57.5°	164.0	162.9	141.1	61.2	22.8	62.3	141.1	152.5	148.4
60°	133.9	138.0	122.5	55.0	20.8	56.0	120.4	129.7	127.6
62.5°	112.1	117.3	106.9	48.8	17.6	49.8	101.7	111.0	109.0
65°	93.4	97.5	89.2	41.5	15.6	41.5	84.1	92.4	92.4
67.5°	76.8	79.9	73.7	34.2	13.5	34.2	68.5	75.8	76.8
70°	61.2	63.3	58.1	27.0	11.4	28.0	54.0	61.2	61.2
72.5°	47.7	48.8	45.7	21.8	10.4	21.8	41.5	47.7	47.7
75°	34.2	36.3	34.2	16.6	9.3	16.6	32.2	35.3	36.3
77.5°	19.7	24.9	24.9	13.5	7.3	12.5	22.8	23.9	23.9
80°	13.5	15.6	17.6	9.3	5.2	9.3	14.5	15.6	14.5
82.5°	9.3	10.4	10.4	6.2	4.2	6.2	9.3	10.4	9.3
85°	5.2	7.3	7.3	5.2	3.1	4.2	5.2	6.2	5.2
87.5°	3.1	4.2	5.2	4.2	3.1	3.1	3.1	3.1	2.1
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)