

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: P799447

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20D010 EU6209035 6LBMDSWWMH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

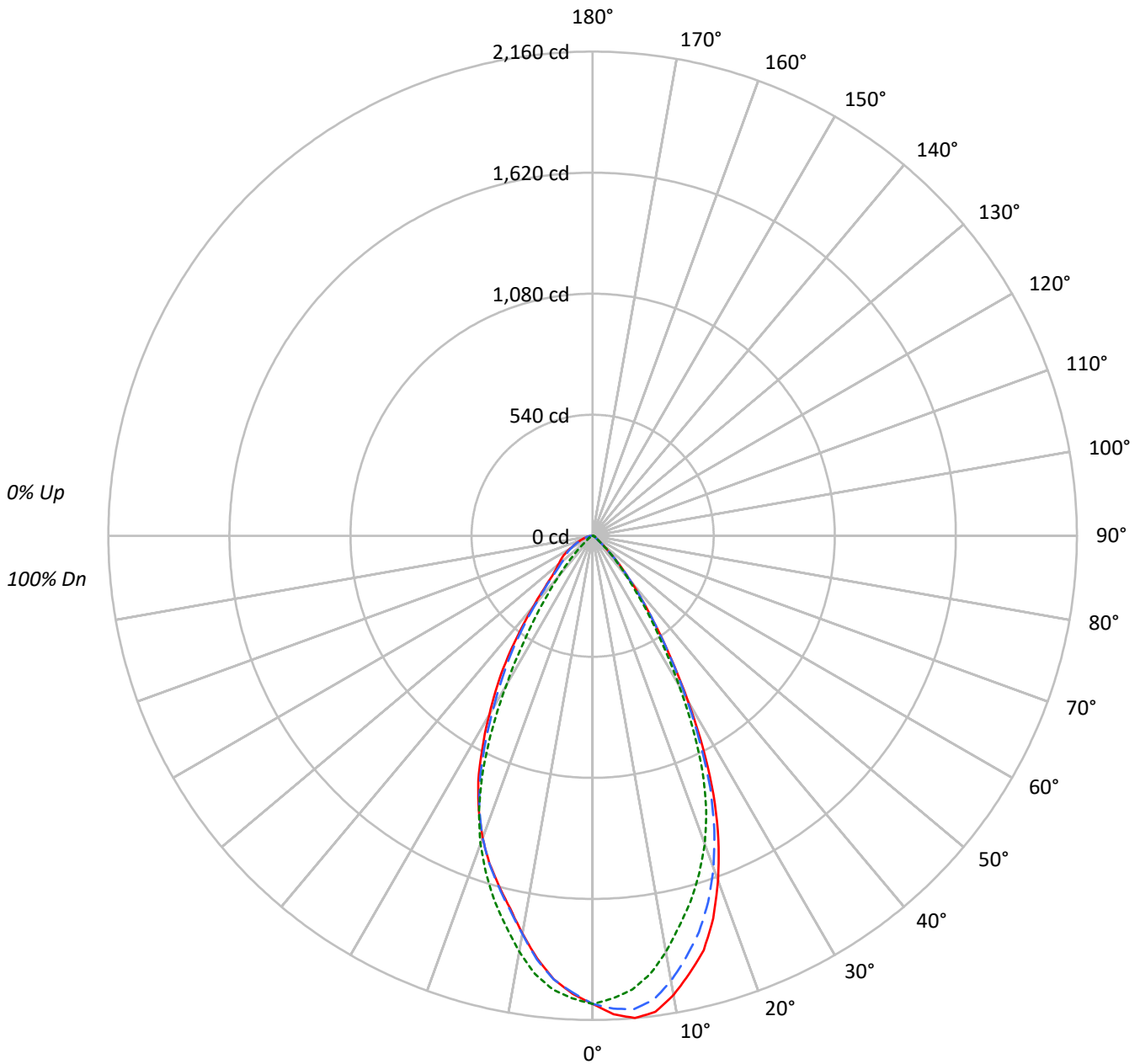
Lumens per Lamp: N/A
Luminaire Lumens: 1798.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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: P799447

CATALOG NUMBER: LD6C20D010 EU6209035 6LBMDSWWMH

Luminous Intensity Polar Plot





TEST NUMBER: P799447

CATALOG NUMBER: LD6C20D010 EU6209035 6LBMDSWWMH

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	114486	114486	114486
5°	118836	111798	109267
10°	115796	104863	100254
15°	108604	95818	91680
20°	95342	85302	83675
25°	77109	70081	72966
30°	53610	48818	58401
35°	33040	29908	44076
40°	18699	16760	29269
45°	9078	8660	19979
50°	3454	3454	16980
55°	1892	2236	15674
60°	1381	1776	12839
65°	1167	1518	10520
70°	1010	1298	8671
75°	953	1334	7434
80°	568	1137	5398
85°	566	2264	5095



TEST NUMBER: P799447

CATALOG NUMBER: LD6C20D010 EU6209035 6LBMDSWWMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	10.6
10°-20°	480.5	26.7
20°-30°	540.9	30.1
30°-40°	335.0	18.6
40°-50°	133.4	7.4
50°-60°	60.7	3.4
60°-70°	34.9	1.9
70°-80°	16.6	0.9
80°-90°	4.8	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°	1212.6	67.4
0°-40°	1547.6	86.1
0°-60°	1741.7	96.9
0°-90°	1798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2088	2088	2088	2088	2088	
5°	2160	2120	2032	1988	1986	203
15°	1914	1831	1688	1620	1615	529
25°	1275	1241	1159	1187	1206	573
35°	494	491	447	622	659	317
45°	117	117	112	243	258	99
55°	20	19	23	144	164	20
65°	9	8	12	80	81	9
75°	4	4	6	34	35	5
85°	1	1	4	8	8	1
90°	0	0	0	0	0	



TEST NUMBER: P799447

CATALOG NUMBER: LD6C20D010 EU6209035 6LBMSWWMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4	2088.4
2.5°	2136.1	2116.3	2111.8	2094.7	2065.8	2049.6	2039.7	2032.5	2045.1
5°	2159.5	2137.9	2119.9	2084.8	2031.6	2001.9	1987.5	1975.7	1985.6
7.5°	2142.4	2111.8	2087.5	2038.8	1971.2	1925.3	1905.5	1892.0	1901.0
10°	2080.2	2043.3	2015.4	1957.7	1883.8	1828.9	1804.6	1791.9	1801.0
12.5°	1999.2	1968.5	1926.2	1863.1	1783.8	1726.2	1708.2	1698.3	1701.9
15°	1913.6	1877.5	1830.7	1767.6	1688.3	1630.7	1619.9	1613.6	1615.4
17.5°	1789.2	1754.1	1713.6	1652.3	1579.3	1532.5	1532.5	1528.0	1530.7
20°	1634.3	1615.4	1575.7	1524.4	1462.2	1419.9	1433.4	1428.9	1434.3
22.5°	1466.7	1452.3	1418.1	1375.7	1323.5	1290.1	1319.9	1319.0	1326.2
25°	1274.8	1264.0	1240.6	1204.5	1158.6	1137.9	1187.4	1187.4	1206.3
27.5°	1063.1	1052.3	1036.1	1005.4	967.6	961.3	1034.3	1043.3	1064.0
30°	846.9	839.7	830.7	802.7	771.2	782.9	883.8	899.1	922.6
32.5°	654.1	649.6	646.9	621.6	593.7	632.5	747.8	767.6	791.0
35°	493.7	483.8	491.0	472.1	446.9	495.5	622.5	639.7	658.6
37.5°	364.0	356.8	363.1	349.6	327.0	380.2	500.0	510.8	523.4
40°	261.3	255.0	260.4	252.3	234.2	283.8	391.9	403.6	409.0
42.5°	185.6	174.8	180.2	173.9	164.9	213.5	308.1	318.9	320.7
45°	117.1	113.5	117.1	113.5	111.7	158.6	243.3	253.2	257.7
47.5°	71.2	66.7	66.7	64.9	66.7	117.1	200.9	215.3	222.5
50°	40.5	38.7	37.8	36.9	40.5	91.9	173.9	190.1	199.1
52.5°	27.0	26.1	26.1	25.2	29.7	77.5	156.8	171.2	180.2
55°	19.8	18.9	18.9	18.9	23.4	66.7	144.1	155.9	164.0
57.5°	15.3	15.3	15.3	14.4	19.8	56.8	128.8	135.1	141.4
60°	12.6	11.7	11.7	11.7	16.2	48.7	110.8	113.5	117.1
62.5°	9.9	9.9	9.9	9.9	13.5	43.2	95.5	95.5	97.3
65°	9.0	8.1	8.1	8.1	11.7	37.8	80.2	79.3	81.1
67.5°	7.2	7.2	7.2	7.2	9.9	32.4	65.8	64.9	66.7
70°	6.3	6.3	6.3	6.3	8.1	27.0	53.2	52.3	54.1
72.5°	5.4	5.4	5.4	5.4	7.2	22.5	42.3	42.3	43.2
75°	4.5	4.5	4.5	4.5	6.3	17.1	34.2	34.2	35.1
77.5°	3.6	3.6	3.6	3.6	4.5	13.5	26.1	25.2	25.2
80°	1.8	2.7	2.7	2.7	3.6	9.9	18.9	17.1	17.1
82.5°	0.9	1.8	1.8	1.8	3.6	7.2	12.6	11.7	11.7
85°	0.9	0.9	0.9	2.7	3.6	5.4	8.1	8.1	8.1
87.5°	0.0	0.9	1.8	3.6	4.5	4.5	5.4	4.5	4.5
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)