

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: P799437

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799437
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: LD6C20D010 EU6209035 6LBMDDWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

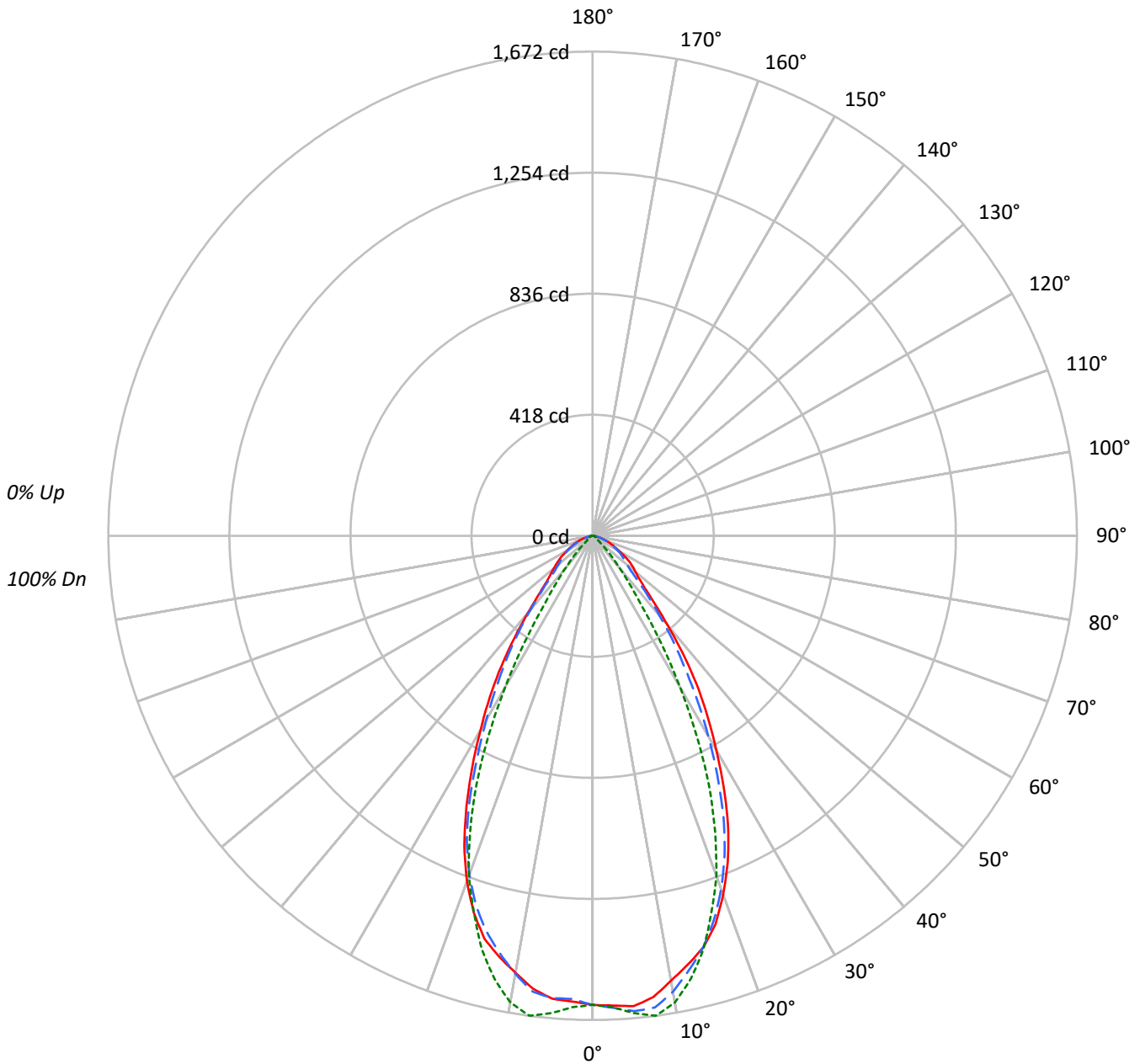
Lumens per Lamp: N/A
Luminaire Lumens: 1649.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P799437

CATALOG NUMBER: LD6C20D010 EU6209035 6LBMDDWH

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°	88798	88798	88798
5°	89726	91085	88317
10°	86816	91080	85302
15°	83559	83882	81783
20°	76902	72865	74020
25°	66929	57457	62344
30°	53977	38177	48970
35°	41847	19682	36774
40°	28711	10198	24761
45°	19676	5109	17374
50°	16375	2175	14899
55°	14728	1892	13304
60°	11655	1809	11107
65°	9612	1608	9508
70°	7790	1459	7790
75°	5761	1567	6100
80°	3378	1294	3631
85°	2579	1572	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	9.4
10°-20°	404.7	24.5
20°-30°	461.9	28.0
30°-40°	306.3	18.6
40°-50°	147.7	9.0
50°-60°	90.9	5.5
60°-70°	55.0	3.3
70°-80°	23.1	1.4
80°-90°	5.1	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°	1020.8	61.9
0°-40°	1327.1	80.5
0°-60°	1565.7	95.0
0°-90°	1649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1649.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1620	1620	1620	1620	1620	
5°	1630	1648	1655	1602	1605	153
15°	1472	1472	1478	1415	1441	410
25°	1106	1069	950	1005	1031	502
35°	625	551	294	514	550	387
45°	254	222	66	208	224	207
55°	154	125	20	125	139	135
65°	74	71	12	67	73	74
75°	27	27	7	26	29	29
85°	4	6	2	4	4	5
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°	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8
2.5°	1623.9	1626.3	1631.3	1632.1	1629.6	1614.0	1600.8	1605.7	1609.9
5°	1630.5	1635.4	1647.8	1659.3	1655.2	1628.8	1602.5	1601.6	1604.9
7.5°	1606.6	1618.1	1643.6	1672.5	1671.7	1626.3	1587.6	1577.7	1577.7
10°	1559.6	1570.3	1598.3	1637.1	1636.2	1579.4	1536.5	1531.6	1532.4
12.5°	1517.6	1522.5	1536.5	1567.0	1567.0	1511.0	1478.0	1483.0	1489.6
15°	1472.3	1475.6	1472.3	1482.2	1478.0	1431.9	1415.4	1431.1	1441.0
17.5°	1408.0	1409.7	1392.4	1379.2	1363.5	1334.7	1338.8	1361.9	1364.3
20°	1318.2	1328.9	1297.6	1263.8	1249.0	1221.8	1244.9	1270.4	1268.8
22.5°	1219.3	1231.7	1191.3	1135.3	1104.8	1094.1	1135.3	1158.4	1157.6
25°	1106.5	1115.5	1069.4	991.1	949.9	948.3	1005.1	1029.0	1030.7
27.5°	979.6	982.9	931.0	828.8	777.7	790.1	861.8	894.7	898.9
30°	852.7	851.1	797.5	670.6	603.1	636.9	733.3	769.5	773.6
32.5°	736.6	731.6	670.6	519.0	438.3	488.6	615.4	653.3	659.9
35°	625.3	617.1	551.2	383.9	294.1	369.1	514.1	547.1	549.5
37.5°	509.2	505.0	453.1	287.5	205.1	280.1	419.4	443.2	440.8
40°	401.2	401.2	358.4	213.4	142.5	208.4	332.0	353.4	346.0
42.5°	314.7	318.8	282.6	157.4	101.3	154.9	262.8	282.6	274.4
45°	253.8	253.8	222.4	117.0	65.9	115.3	207.6	225.7	224.1
47.5°	215.0	211.7	180.4	85.7	36.3	86.5	174.7	196.9	196.1
50°	192.0	187.0	154.9	67.6	25.5	71.7	153.2	173.8	174.7
52.5°	173.8	166.4	139.2	60.1	22.2	62.6	139.2	155.7	155.7
55°	154.1	149.9	125.2	53.6	19.8	56.0	125.2	140.1	139.2
57.5°	130.2	129.3	112.0	48.6	18.1	49.4	112.0	121.1	117.8
60°	106.3	109.6	97.2	43.7	16.5	44.5	95.6	103.0	101.3
62.5°	89.0	93.1	84.9	38.7	14.0	39.5	80.7	88.2	86.5
65°	74.1	77.4	70.9	33.0	12.4	33.0	66.7	73.3	73.3
67.5°	61.0	63.4	58.5	27.2	10.7	27.2	54.4	60.1	61.0
70°	48.6	50.3	46.1	21.4	9.1	22.2	42.8	48.6	48.6
72.5°	37.9	38.7	36.3	17.3	8.2	17.3	33.0	37.9	37.9
75°	27.2	28.8	27.2	13.2	7.4	13.2	25.5	28.0	28.8
77.5°	15.7	19.8	19.8	10.7	5.8	9.9	18.1	18.9	18.9
80°	10.7	12.4	14.0	7.4	4.1	7.4	11.5	12.4	11.5
82.5°	7.4	8.2	8.2	4.9	3.3	4.9	7.4	8.2	7.4
85°	4.1	5.8	5.8	4.1	2.5	3.3	4.1	4.9	4.1
87.5°	2.5	3.3	4.1	3.3	2.5	2.5	2.5	2.5	1.6
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)