

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: P799422

Luminaire Tested: **LD6C20D010 EU6209027 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799422
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 EU6209027 6LBMDSWWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

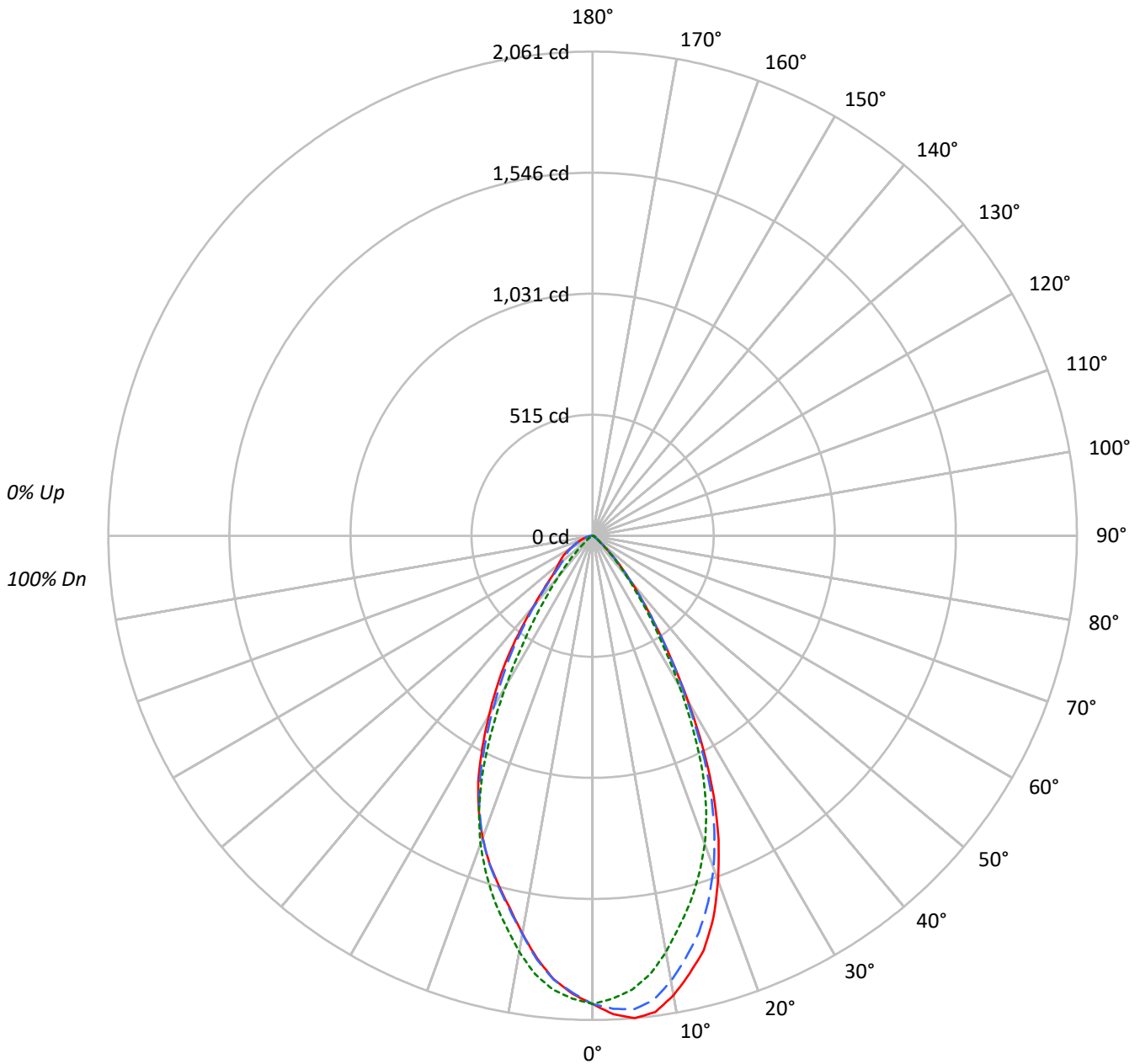
Lumens per Lamp: N/A
Luminaire Lumens: 1716.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	109262	109262	109262
5°	113416	106697	104287
10°	110519	100082	95678
15°	103650	91448	87498
20°	90996	81411	79859
25°	73595	66887	69639
30°	51166	46589	55736
35°	31534	28543	42061
40°	17848	16001	27938
45°	8668	8264	19064
50°	3301	3301	16204
55°	1806	2141	14958
60°	1316	1699	12258
65°	1116	1453	10040
70°	962	1234	8271
75°	911	1271	7096
80°	537	1073	5146
85°	566	2139	4843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	10.6
10°-20°	458.6	26.7
20°-30°	516.3	30.1
30°-40°	319.7	18.6
40°-50°	127.3	7.4
50°-60°	58.0	3.4
60°-70°	33.3	1.9
70°-80°	15.8	0.9
80°-90°	4.6	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°	1157.3	67.4
0°-40°	1477.0	86.1
0°-60°	1662.3	96.9
0°-90°	1716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1716.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1993	1993	1993	1993	1993	
5°	2061	2023	1939	1897	1895	194
15°	1826	1747	1611	1546	1542	505
25°	1217	1184	1106	1133	1151	547
35°	471	469	426	594	628	303
45°	112	112	107	232	246	95
55°	19	18	22	138	156	19
65°	9	8	11	76	77	8
75°	4	4	6	33	34	4
85°	1	1	3	8	8	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LD6C20D010 EU6209027 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1993.1	1993.1	1993.1	1993.1	1993.1	1993.1	1993.1	1993.1	1993.1
2.5°	2038.7	2019.8	2015.5	1999.1	1971.6	1956.1	1946.7	1939.8	1951.8
5°	2061.0	2040.4	2023.2	1989.7	1938.9	1910.6	1896.8	1885.6	1895.1
7.5°	2044.7	2015.5	1992.3	1945.8	1881.3	1837.5	1818.6	1805.7	1814.3
10°	1985.4	1950.1	1923.5	1868.4	1797.9	1745.5	1722.3	1710.2	1718.8
12.5°	1908.0	1878.8	1838.3	1778.2	1702.5	1647.5	1630.3	1620.8	1624.2
15°	1826.3	1791.9	1747.2	1687.0	1611.3	1556.3	1546.0	1540.0	1541.7
17.5°	1707.6	1674.1	1635.4	1576.9	1507.3	1462.6	1462.6	1458.3	1460.9
20°	1559.8	1541.7	1503.9	1454.9	1395.5	1355.1	1368.0	1363.7	1368.9
22.5°	1399.8	1386.1	1353.4	1313.0	1263.1	1231.3	1259.7	1258.8	1265.7
25°	1216.7	1206.4	1184.0	1149.6	1105.8	1086.0	1133.3	1133.3	1151.3
27.5°	1014.6	1004.3	988.8	959.6	923.5	917.5	987.1	995.7	1015.5
30°	808.3	801.4	792.8	766.1	736.0	747.2	843.5	858.1	880.5
32.5°	624.2	619.9	617.4	593.3	566.6	603.6	713.7	732.6	754.9
35°	471.2	461.7	468.6	450.6	426.5	472.9	594.2	610.5	628.5
37.5°	347.4	340.5	346.5	333.6	312.1	362.9	477.2	487.5	499.6
40°	249.4	243.3	248.5	240.8	223.6	270.9	374.0	385.2	390.4
42.5°	177.1	166.8	172.0	165.9	157.4	203.8	294.1	304.4	306.1
45°	111.8	108.3	111.8	108.3	106.6	151.3	232.2	241.6	245.9
47.5°	67.9	63.6	63.6	61.9	63.6	111.8	191.7	205.5	212.4
50°	38.7	37.0	36.1	35.3	38.7	87.7	165.9	181.4	190.0
52.5°	25.8	24.9	24.9	24.1	28.4	73.9	149.6	163.4	172.0
55°	18.9	18.1	18.1	18.1	22.4	63.6	137.6	148.8	156.5
57.5°	14.6	14.6	14.6	13.8	18.9	54.2	123.0	129.0	135.0
60°	12.0	11.2	11.2	11.2	15.5	46.4	105.8	108.3	111.8
62.5°	9.5	9.5	9.5	9.5	12.9	41.3	91.1	91.1	92.9
65°	8.6	7.7	7.7	7.7	11.2	36.1	76.5	75.7	77.4
67.5°	6.9	6.9	6.9	6.9	9.5	31.0	62.8	61.9	63.6
70°	6.0	6.0	6.0	6.0	7.7	25.8	50.7	49.9	51.6
72.5°	5.2	5.2	5.2	5.2	6.9	21.5	40.4	40.4	41.3
75°	4.3	4.3	4.3	4.3	6.0	16.3	32.7	32.7	33.5
77.5°	3.4	3.4	3.4	3.4	4.3	12.9	24.9	24.1	24.1
80°	1.7	2.6	2.6	2.6	3.4	9.5	18.1	16.3	16.3
82.5°	0.9	1.7	1.7	1.7	3.4	6.9	12.0	11.2	11.2
85°	0.9	0.9	0.9	2.6	3.4	5.2	7.7	7.7	7.7
87.5°	0.0	0.9	1.7	3.4	4.3	4.3	5.2	4.3	4.3
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)