

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: P799467

Luminaire Tested: **LD6C20D010 EU6209050 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799467
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 EU6209050 6LBMDSWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

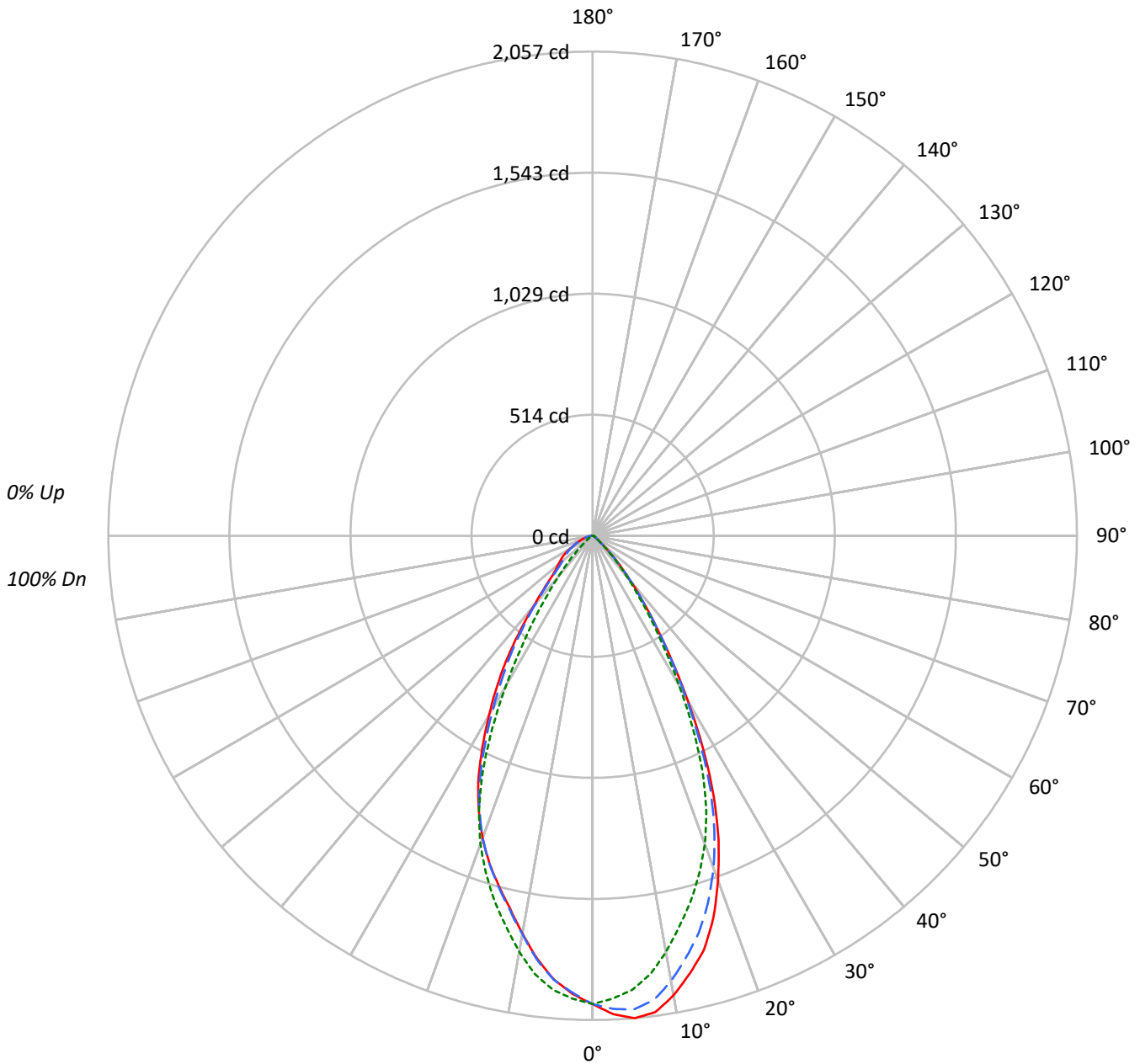
Lumens per Lamp: N/A
Luminaire Lumens: 1713.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	57	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°	109070	109070	109070
5°	113218	106515	104105
10°	110324	99909	95511
15°	103468	91289	87344
20°	90833	81271	79719
25°	73462	66766	69518
30°	51071	46507	55635
35°	31481	28489	41988
40°	17812	15973	27888
45°	8652	8249	19033
50°	3292	3292	16179
55°	1806	2131	14929
60°	1316	1699	12236
65°	1116	1453	10027
70°	962	1234	8255
75°	911	1271	7096
80°	537	1073	5146
85°	566	2139	4843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	10.6
10°-20°	457.8	26.7
20°-30°	515.3	30.1
30°-40°	319.1	18.6
40°-50°	127.1	7.4
50°-60°	57.9	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°	1155.3	67.4
0°-40°	1474.4	86.1
0°-60°	1659.4	96.9
0°-90°	1713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1713.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1990	1990	1990	1990	1990	
5°	2057	2020	1936	1894	1892	194
15°	1823	1744	1608	1543	1539	504
25°	1214	1182	1104	1131	1149	546
35°	470	468	426	593	627	302
45°	112	112	106	232	246	95
55°	19	18	22	137	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1989.6	1989.6	1989.6	1989.6	1989.6	1989.6	1989.6	1989.6	1989.6
2.5°	2035.1	2016.2	2011.9	1995.6	1968.2	1952.7	1943.3	1936.4	1948.4
5°	2057.4	2036.8	2019.7	1986.2	1935.6	1907.2	1893.5	1882.3	1891.8
7.5°	2041.1	2011.9	1988.8	1942.4	1878.0	1834.3	1815.4	1802.5	1811.1
10°	1981.9	1946.7	1920.1	1865.2	1794.8	1742.4	1719.3	1707.2	1715.8
12.5°	1904.7	1875.5	1835.1	1775.0	1699.5	1644.6	1627.4	1618.0	1621.4
15°	1823.1	1788.8	1744.1	1684.1	1608.5	1553.6	1543.3	1537.3	1539.0
17.5°	1704.7	1671.2	1632.6	1574.2	1504.7	1460.0	1460.0	1455.7	1458.3
20°	1557.0	1539.0	1501.2	1452.3	1393.1	1352.7	1365.6	1361.3	1366.5
22.5°	1397.4	1383.6	1351.0	1310.7	1260.9	1229.1	1257.5	1256.6	1263.5
25°	1214.5	1204.2	1181.9	1147.6	1103.8	1084.1	1131.3	1131.3	1149.3
27.5°	1012.8	1002.5	987.1	957.9	921.9	915.8	985.4	994.0	1013.7
30°	806.8	800.0	791.4	764.8	734.7	745.9	842.0	856.6	878.9
32.5°	623.2	618.9	616.3	592.3	565.6	602.6	712.4	731.3	753.6
35°	470.4	460.9	467.8	449.8	425.7	472.1	593.1	609.4	627.4
37.5°	346.8	339.9	345.9	333.0	311.6	362.2	476.4	486.7	498.7
40°	248.9	242.9	248.1	240.3	223.2	270.4	373.4	384.5	389.7
42.5°	176.8	166.5	171.7	165.7	157.1	203.4	293.6	303.9	305.6
45°	111.6	108.2	111.6	108.2	106.4	151.1	231.8	241.2	245.5
47.5°	67.8	63.5	63.5	61.8	63.5	111.6	191.4	205.1	212.0
50°	38.6	36.9	36.1	35.2	38.6	87.6	165.7	181.1	189.7
52.5°	25.8	24.9	24.9	24.0	28.3	73.8	149.4	163.1	171.7
55°	18.9	18.0	18.0	18.0	22.3	63.5	137.3	148.5	156.2
57.5°	14.6	14.6	14.6	13.7	18.9	54.1	122.7	128.8	134.8
60°	12.0	11.2	11.2	11.2	15.5	46.4	105.6	108.2	111.6
62.5°	9.4	9.4	9.4	9.4	12.9	41.2	91.0	91.0	92.7
65°	8.6	7.7	7.7	7.7	11.2	36.1	76.4	75.5	77.3
67.5°	6.9	6.9	6.9	6.9	9.4	30.9	62.7	61.8	63.5
70°	6.0	6.0	6.0	6.0	7.7	25.8	50.6	49.8	51.5
72.5°	5.2	5.2	5.2	5.2	6.9	21.5	40.3	40.3	41.2
75°	4.3	4.3	4.3	4.3	6.0	16.3	32.6	32.6	33.5
77.5°	3.4	3.4	3.4	3.4	4.3	12.9	24.9	24.0	24.0
80°	1.7	2.6	2.6	2.6	3.4	9.4	18.0	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)