

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: P799431

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799431
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 EU6209030 6LBMDSWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

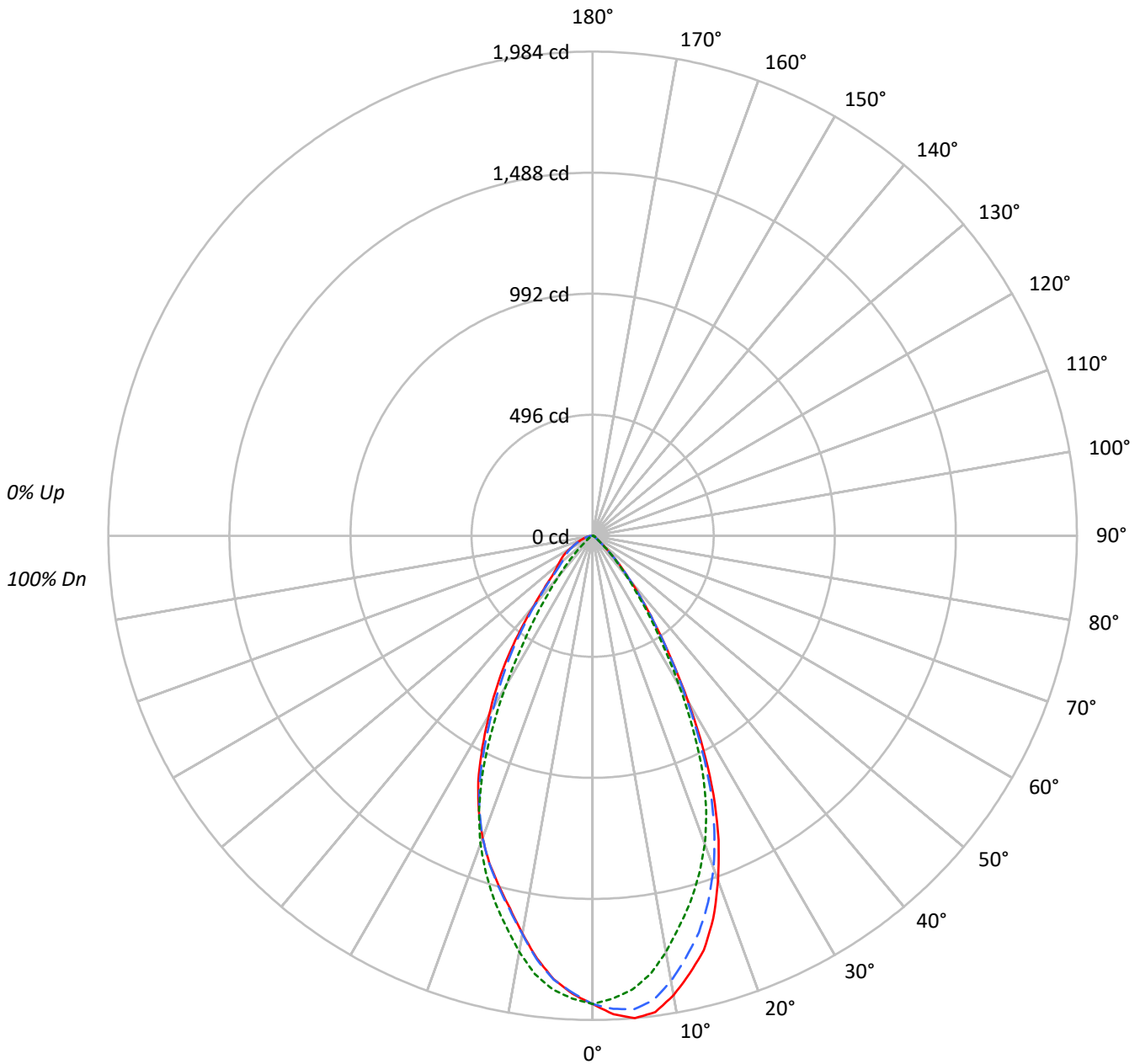
Lumens per Lamp: N/A
Luminaire Lumens: 1652.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	105189	105189	105189
5°	109190	102718	100396
10°	106394	96352	92110
15°	99785	88037	84234
20°	87601	78378	76878
25°	70849	64389	67044
30°	49254	44855	53654
35°	30356	27479	40495
40°	17182	15400	26893
45°	8342	7954	18351
50°	3173	3173	15599
55°	1739	2055	14403
60°	1272	1634	11797
65°	1077	1401	9664
70°	930	1186	7966
75°	868	1228	6841
80°	537	1042	4956
85°	503	2076	4655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.7	10.6
10°-20°	441.5	26.7
20°-30°	497.0	30.1
30°-40°	307.7	18.6
40°-50°	122.6	7.4
50°-60°	55.8	3.4
60°-70°	32.1	1.9
70°-80°	15.2	0.9
80°-90°	4.4	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°	1114.2	67.4
0°-40°	1421.9	86.1
0°-60°	1600.3	96.9
0°-90°	1652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1919	1919	1919	1919	1919	
5°	1984	1948	1867	1826	1824	187
15°	1758	1682	1551	1488	1484	486
25°	1171	1140	1064	1091	1108	527
35°	454	451	411	572	605	292
45°	108	108	103	224	237	91
55°	18	17	22	132	151	18
65°	8	7	11	74	74	8
75°	4	4	6	32	32	4
85°	1	1	3	7	7	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°	1918.8	1918.8	1918.8	1918.8	1918.8	1918.8	1918.8	1918.8	1918.8
2.5°	1962.6	1944.4	1940.3	1924.6	1898.1	1883.2	1874.1	1867.5	1879.0
5°	1984.2	1964.3	1947.7	1915.5	1866.6	1839.3	1826.1	1815.3	1824.4
7.5°	1968.4	1940.3	1917.9	1873.2	1811.2	1769.0	1750.7	1738.3	1746.6
10°	1911.3	1877.4	1851.7	1798.7	1730.9	1680.4	1658.0	1646.4	1654.7
12.5°	1836.8	1808.7	1769.8	1711.8	1639.0	1586.0	1569.5	1560.4	1563.7
15°	1758.2	1725.1	1682.0	1624.1	1551.2	1498.3	1488.3	1482.5	1484.2
17.5°	1644.0	1611.7	1574.4	1518.1	1451.1	1408.0	1408.0	1403.9	1406.4
20°	1501.6	1484.2	1447.8	1400.6	1343.5	1304.6	1317.0	1312.8	1317.8
22.5°	1347.6	1334.4	1302.9	1264.0	1216.0	1185.4	1212.7	1211.9	1218.5
25°	1171.3	1161.4	1139.8	1106.7	1064.5	1045.5	1091.0	1091.0	1108.4
27.5°	976.8	966.8	951.9	923.8	889.0	883.2	950.3	958.6	977.6
30°	778.1	771.5	763.2	737.5	708.6	719.3	812.0	826.1	847.6
32.5°	601.0	596.8	594.3	571.2	545.5	581.1	687.1	705.3	726.8
35°	453.6	444.5	451.1	433.8	410.6	455.3	572.0	587.7	605.1
37.5°	334.4	327.8	333.6	321.2	300.5	349.3	459.4	469.3	480.9
40°	240.1	234.3	239.2	231.8	215.2	260.7	360.1	370.8	375.8
42.5°	170.5	160.6	165.6	159.8	151.5	196.2	283.1	293.0	294.7
45°	107.6	104.3	107.6	104.3	102.6	145.7	223.5	232.6	236.7
47.5°	65.4	61.3	61.3	59.6	61.3	107.6	184.6	197.8	204.5
50°	37.2	35.6	34.8	33.9	37.2	84.4	159.8	174.7	182.9
52.5°	24.8	24.0	24.0	23.2	27.3	71.2	144.0	157.3	165.6
55°	18.2	17.4	17.4	17.4	21.5	61.3	132.4	143.2	150.7
57.5°	14.1	14.1	14.1	13.2	18.2	52.1	118.4	124.2	130.0
60°	11.6	10.8	10.8	10.8	14.9	44.7	101.8	104.3	107.6
62.5°	9.1	9.1	9.1	9.1	12.4	39.7	87.7	87.7	89.4
65°	8.3	7.4	7.4	7.4	10.8	34.8	73.7	72.8	74.5
67.5°	6.6	6.6	6.6	6.6	9.1	29.8	60.4	59.6	61.3
70°	5.8	5.8	5.8	5.8	7.4	24.8	48.8	48.0	49.7
72.5°	5.0	5.0	5.0	5.0	6.6	20.7	38.9	38.9	39.7
75°	4.1	4.1	4.1	4.1	5.8	15.7	31.5	31.5	32.3
77.5°	3.3	3.3	3.3	3.3	4.1	12.4	24.0	23.2	23.2
80°	1.7	2.5	2.5	2.5	3.3	9.1	17.4	15.7	15.7
82.5°	0.8	1.7	1.7	1.7	3.3	6.6	11.6	10.8	10.8
85°	0.8	0.8	0.8	2.5	3.3	5.0	7.4	7.4	7.4
87.5°	0.0	0.8	1.7	3.3	4.1	4.1	5.0	4.1	4.1
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)