

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: P799428

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDDWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799428  
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 EU6209030 6LBMDDWWH  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

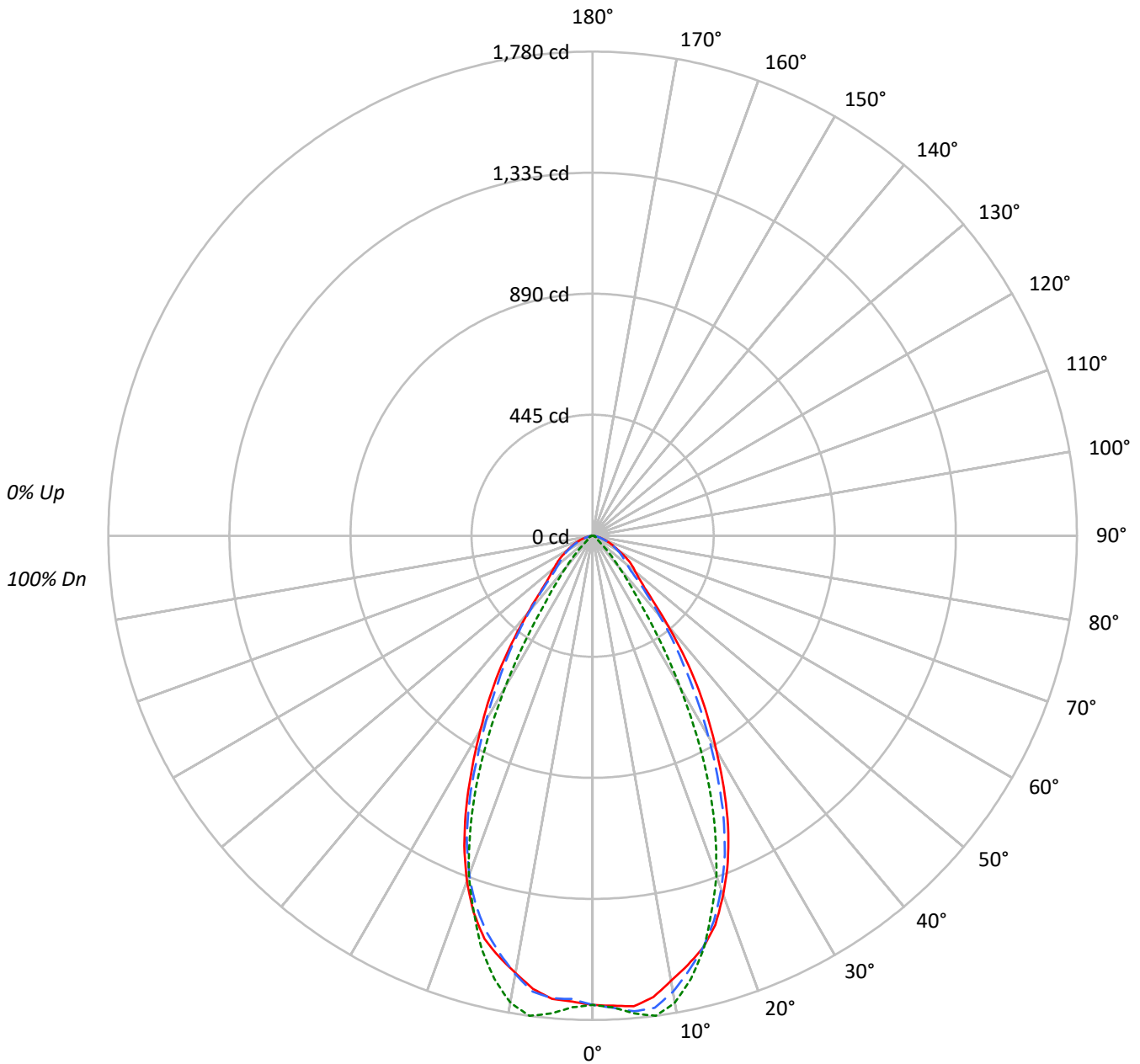
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1756.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 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<sub>in</sub>): 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									
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	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°	94559	94559	94559
5°	95548	96995	94051
10°	92450	96992	90841
15°	88979	89331	87089
20°	81890	77596	78821
25°	71272	61189	66391
30°	57477	40652	52147
35°	44564	20960	39163
40°	30579	10863	26371
45°	20948	5442	18498
50°	17432	2320	15863
55°	15684	2017	14174
60°	12411	1919	11830
65°	10248	1712	10131
70°	8303	1555	8303
75°	6142	1673	6503
80°	3599	1389	3883
85°	2768	1635	2768



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.2	9.4
10°-20°	430.9	24.5
20°-30°	491.9	28.0
30°-40°	326.2	18.6
40°-50°	157.3	9.0
50°-60°	96.8	5.5
60°-70°	58.6	3.3
70°-80°	24.6	1.4
80°-90°	5.4	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°	1087.0	61.9
0°-40°	1413.2	80.5
0°-60°	1667.4	95.0
0°-90°	1756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1756.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1725	1725	1725	1725	1725	
5°	1736	1755	1763	1706	1709	163
15°	1568	1568	1574	1507	1534	437
25°	1178	1139	1012	1070	1098	534
35°	666	587	313	548	585	412
45°	270	237	70	221	239	220
55°	164	133	21	133	148	144
65°	79	76	13	71	78	79
75°	29	29	8	27	31	31
85°	4	6	3	4	4	6
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°	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9	1724.9
2.5°	1729.2	1731.9	1737.1	1738.0	1735.4	1718.7	1704.7	1709.9	1714.3
5°	1736.3	1741.5	1754.7	1767.0	1762.6	1734.5	1706.4	1705.6	1709.1
7.5°	1710.8	1723.1	1750.3	1781.0	1780.1	1731.9	1690.6	1680.1	1680.1
10°	1660.8	1672.2	1702.0	1743.3	1742.4	1681.9	1636.2	1631.0	1631.9
12.5°	1616.1	1621.3	1636.2	1668.7	1668.7	1609.0	1574.0	1579.2	1586.2
15°	1567.8	1571.3	1567.8	1578.3	1574.0	1524.8	1507.3	1523.9	1534.5
17.5°	1499.4	1501.1	1482.7	1468.7	1452.0	1421.3	1425.7	1450.2	1452.9
20°	1403.7	1415.2	1381.8	1345.8	1330.1	1301.1	1325.7	1352.9	1351.1
22.5°	1298.5	1311.6	1268.6	1209.0	1176.5	1165.1	1209.0	1233.5	1232.7
25°	1178.3	1187.9	1138.8	1055.4	1011.6	1009.8	1070.4	1095.8	1097.6
27.5°	1043.2	1046.7	991.4	882.6	828.2	841.4	917.7	952.8	957.2
30°	908.0	906.3	849.3	714.2	642.2	678.2	780.8	819.4	823.8
32.5°	784.3	779.1	714.2	552.7	466.7	520.3	655.4	695.7	702.8
35°	665.9	657.1	586.9	408.8	313.2	393.0	547.5	582.6	585.2
37.5°	542.2	537.8	482.5	306.2	218.5	298.3	446.6	472.0	469.4
40°	427.3	427.3	381.6	227.2	151.8	222.0	353.6	376.4	368.5
42.5°	335.1	339.5	300.9	167.6	107.9	164.9	279.9	300.9	292.2
45°	270.2	270.2	236.9	124.6	70.2	122.8	221.1	240.4	238.6
47.5°	229.0	225.5	192.1	91.2	38.6	92.1	186.0	209.7	208.8
50°	204.4	199.2	164.9	71.9	27.2	76.3	163.2	185.1	186.0
52.5°	185.1	177.2	148.3	64.0	23.7	66.7	148.3	165.8	165.8
55°	164.1	159.7	133.4	57.0	21.1	59.7	133.4	149.1	148.3
57.5°	138.6	137.7	119.3	51.8	19.3	52.6	119.3	129.0	125.5
60°	113.2	116.7	103.5	46.5	17.5	47.4	101.8	109.7	107.9
62.5°	94.8	99.1	90.4	41.2	14.9	42.1	86.0	93.9	92.1
65°	79.0	82.5	75.5	35.1	13.2	35.1	71.1	78.1	78.1
67.5°	64.9	67.6	62.3	29.0	11.4	29.0	57.9	64.0	64.9
70°	51.8	53.5	49.1	22.8	9.7	23.7	45.6	51.8	51.8
72.5°	40.4	41.2	38.6	18.4	8.8	18.4	35.1	40.4	40.4
75°	29.0	30.7	29.0	14.0	7.9	14.0	27.2	29.8	30.7
77.5°	16.7	21.1	21.1	11.4	6.1	10.5	19.3	20.2	20.2
80°	11.4	13.2	14.9	7.9	4.4	7.9	12.3	13.2	12.3
82.5°	7.9	8.8	8.8	5.3	3.5	5.3	7.9	8.8	7.9
85°	4.4	6.1	6.1	4.4	2.6	3.5	4.4	5.3	4.4
87.5°	2.6	3.5	4.4	3.5	2.6	2.6	2.6	2.6	1.8
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)