

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: P799470

Luminaire Tested: **LD6C20D010 EU6209050 6LBMDSWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799470  
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 6LBMDSWWH  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

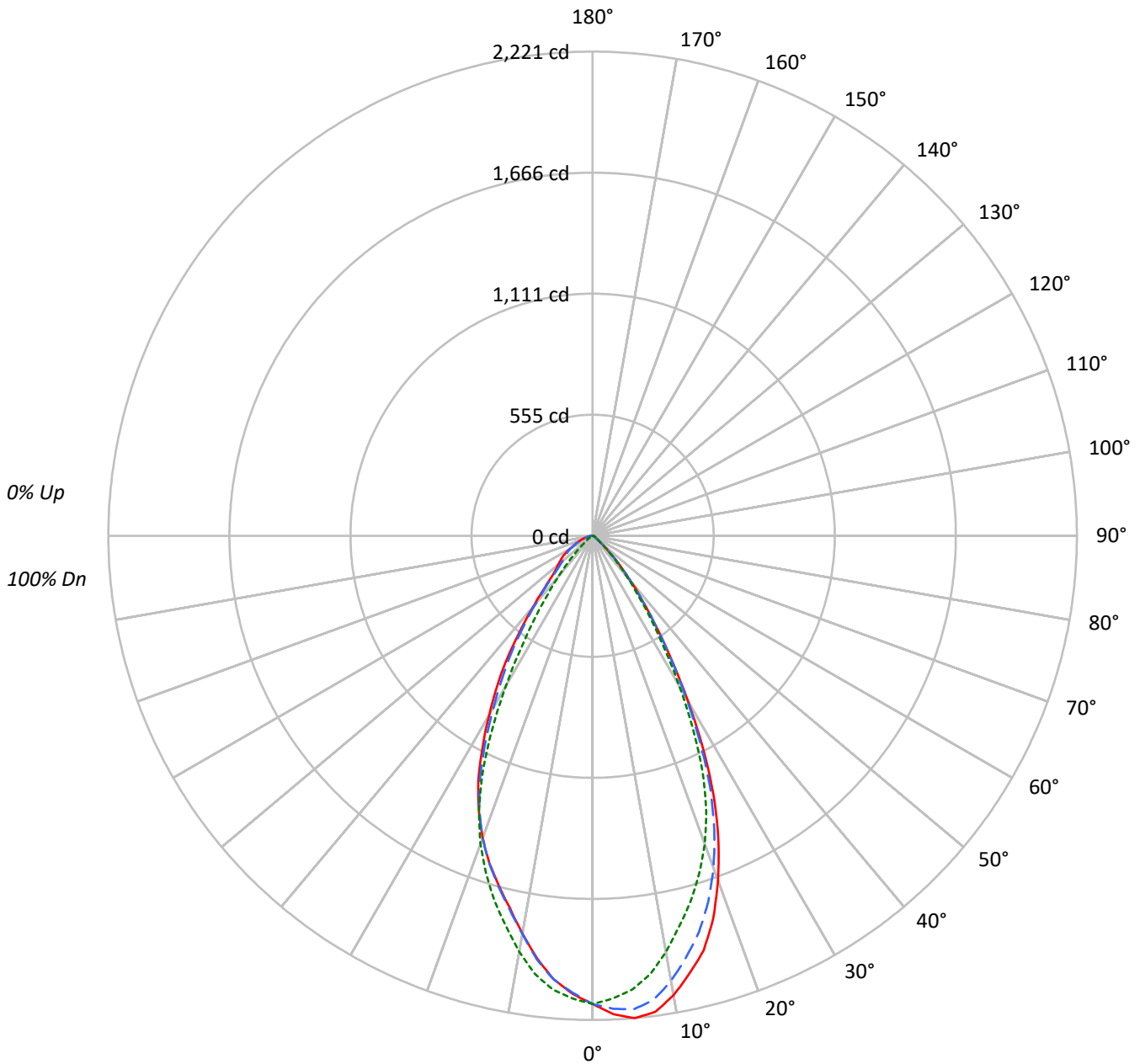
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1849.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 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<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					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°	117732	117732	117732
5°	122210	114968	112370
10°	119086	107841	103093
15°	111686	98536	94280
20°	98044	87723	86049
25°	79299	72071	75041
30°	55129	50204	60054
35°	33977	30751	45327
40°	19229	17239	30099
45°	9334	8908	20545
50°	3556	3556	17466
55°	1950	2303	16114
60°	1425	1831	13201
65°	1206	1557	10818
70°	1042	1330	8912
75°	974	1377	7646
80°	600	1168	5556
85°	566	2327	5221



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.6	10.6
10°-20°	494.1	26.7
20°-30°	556.3	30.1
30°-40°	344.5	18.6
40°-50°	137.2	7.4
50°-60°	62.5	3.4
60°-70°	35.9	1.9
70°-80°	17.0	0.9
80°-90°	5.0	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°	1247.0	67.4
0°-40°	1591.5	86.1
0°-60°	1791.1	96.9
0°-90°	1849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2148	2148	2148	2148	2148	
5°	2221	2180	2089	2044	2042	209
15°	1968	1883	1736	1666	1661	544
25°	1311	1276	1192	1221	1241	589
35°	508	505	460	640	677	326
45°	120	120	115	250	265	102
55°	20	20	24	148	169	20
65°	9	8	12	82	83	9
75°	5	5	6	35	36	5
85°	1	1	4	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°	2147.6	2147.6	2147.6	2147.6	2147.6	2147.6	2147.6	2147.6	2147.6
2.5°	2196.7	2176.3	2171.7	2154.1	2124.4	2107.8	2097.6	2090.1	2103.1
5°	2220.8	2198.5	2180.0	2143.9	2089.2	2058.6	2043.8	2031.8	2042.0
7.5°	2203.2	2171.7	2146.7	2096.6	2027.1	1979.9	1959.5	1945.6	1954.9
10°	2139.3	2101.3	2072.5	2013.2	1937.3	1880.8	1855.7	1842.8	1852.0
12.5°	2055.9	2024.4	1980.8	1916.0	1834.4	1775.1	1756.6	1746.4	1750.1
15°	1967.9	1930.8	1882.6	1817.8	1736.2	1676.9	1665.8	1659.3	1661.2
17.5°	1840.0	1803.9	1762.2	1699.2	1624.1	1575.9	1575.9	1571.3	1574.1
20°	1680.6	1661.2	1620.4	1567.6	1503.7	1460.1	1474.0	1469.4	1475.0
22.5°	1508.3	1493.5	1458.3	1414.7	1361.0	1326.7	1357.3	1356.4	1363.8
25°	1311.0	1299.9	1275.8	1238.7	1191.5	1170.1	1221.1	1221.1	1240.6
27.5°	1093.3	1082.1	1065.5	1034.0	995.0	988.6	1063.6	1072.9	1094.2
30°	870.9	863.5	854.2	825.5	793.1	805.1	908.9	924.6	948.7
32.5°	672.6	668.0	665.2	639.3	610.6	650.4	769.0	789.4	813.5
35°	507.7	497.5	504.9	485.5	459.5	509.6	640.2	657.8	677.3
37.5°	374.3	366.9	373.4	359.5	336.3	391.0	514.2	525.3	538.3
40°	268.7	262.2	267.8	259.4	240.9	291.8	403.0	415.1	420.6
42.5°	190.9	179.7	185.3	178.8	169.5	219.6	316.9	328.0	329.8
45°	120.4	116.7	120.4	116.7	114.9	163.1	250.2	260.3	265.0
47.5°	73.2	68.6	68.6	66.7	68.6	120.4	206.6	221.4	228.8
50°	41.7	39.8	38.9	38.0	41.7	94.5	178.8	195.5	204.8
52.5°	27.8	26.9	26.9	25.9	30.6	79.7	161.2	176.0	185.3
55°	20.4	19.5	19.5	19.5	24.1	68.6	148.2	160.3	168.6
57.5°	15.8	15.8	15.8	14.8	20.4	58.4	132.5	139.0	145.5
60°	13.0	12.0	12.0	12.0	16.7	50.0	114.0	116.7	120.4
62.5°	10.2	10.2	10.2	10.2	13.9	44.5	98.2	98.2	100.1
65°	9.3	8.3	8.3	8.3	12.0	38.9	82.5	81.5	83.4
67.5°	7.4	7.4	7.4	7.4	10.2	33.4	67.6	66.7	68.6
70°	6.5	6.5	6.5	6.5	8.3	27.8	54.7	53.7	55.6
72.5°	5.6	5.6	5.6	5.6	7.4	23.2	43.5	43.5	44.5
75°	4.6	4.6	4.6	4.6	6.5	17.6	35.2	35.2	36.1
77.5°	3.7	3.7	3.7	3.7	4.6	13.9	26.9	25.9	25.9
80°	1.9	2.8	2.8	2.8	3.7	10.2	19.5	17.6	17.6
82.5°	0.9	1.9	1.9	1.9	3.7	7.4	13.0	12.0	12.0
85°	0.9	0.9	0.9	2.8	3.7	5.6	8.3	8.3	8.3
87.5°	0.0	0.9	1.9	3.7	4.6	4.6	5.6	4.6	4.6
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)