

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: P799458

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDSWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799458  
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 EU6209040 6LBMDSWWH  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

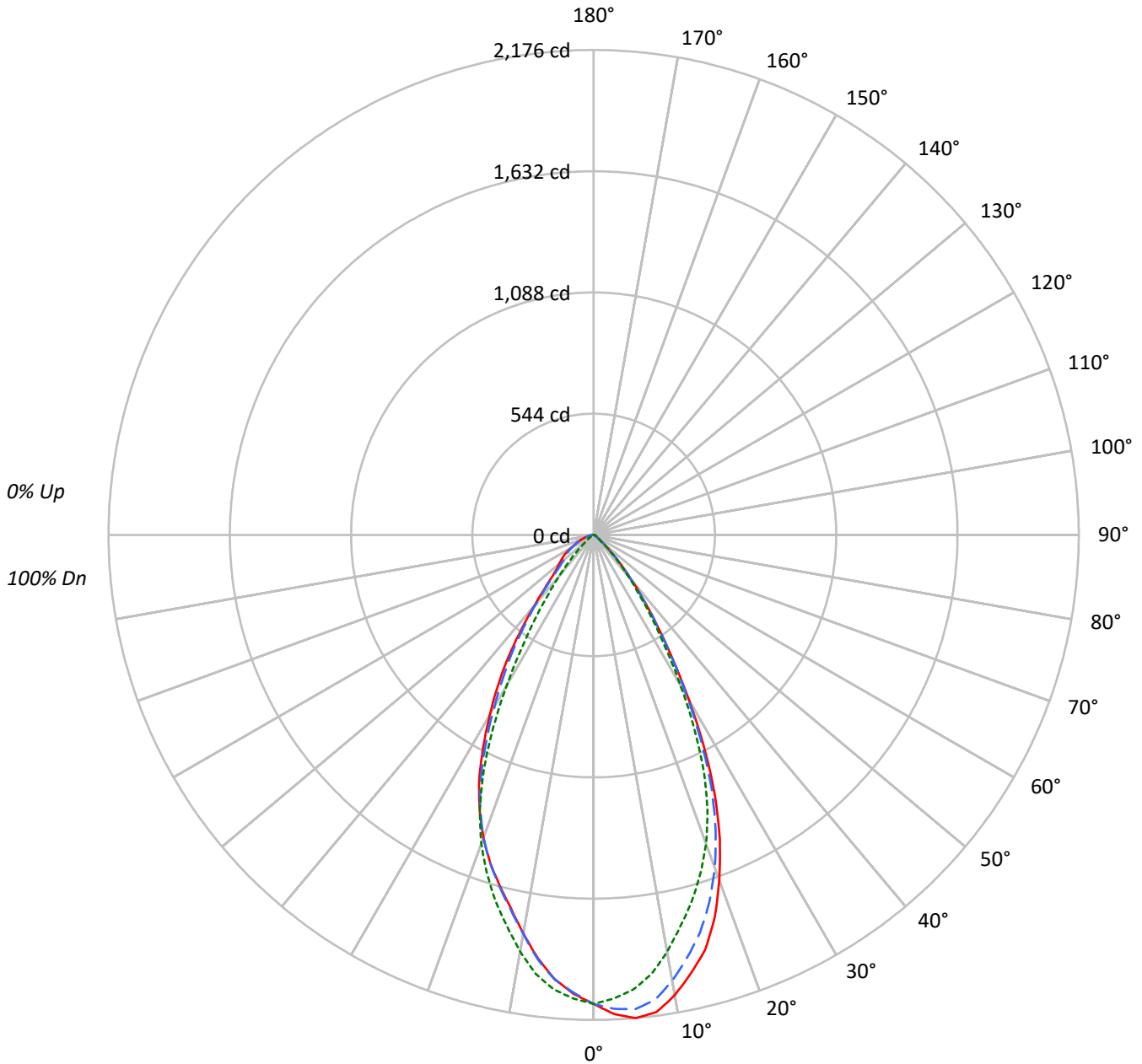
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1812.0 lumens  
Efficiency: N/A  
Efficacy: 83.1 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	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°	115375	115375	115375
5°	119761	112668	110120
10°	116698	105682	101034
15°	109450	96567	92390
20°	96083	85967	84322
25°	77708	70625	73534
30°	54027	49197	58851
35°	33301	30135	44417
40°	18842	16896	29498
45°	9148	8730	20134
50°	3488	3488	17117
55°	1912	2256	15789
60°	1392	1787	12938
65°	1180	1531	10598
70°	1026	1314	8735
75°	953	1356	7498
80°	568	1137	5462
85°	566	2264	5158



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.7	10.6
10°-20°	484.3	26.7
20°-30°	545.1	30.1
30°-40°	337.6	18.6
40°-50°	134.4	7.4
50°-60°	61.2	3.4
60°-70°	35.2	1.9
70°-80°	16.7	0.9
80°-90°	4.9	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°	1222.1	67.4
0°-40°	1559.6	86.1
0°-60°	1755.2	96.9
0°-90°	1812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1812.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2105	2105	2105	2105	2105	
5°	2176	2136	2047	2003	2001	205
15°	1928	1845	1702	1632	1628	534
25°	1285	1250	1168	1197	1216	578
35°	498	495	450	627	664	320
45°	118	118	113	245	260	100
55°	20	19	24	145	165	20
65°	9	8	12	81	82	9
75°	4	4	6	34	35	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°	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6
2.5°	2152.7	2132.8	2128.2	2111.0	2081.9	2065.6	2055.6	2048.3	2061.0
5°	2176.3	2154.6	2136.4	2101.0	2047.4	2017.5	2002.9	1991.1	2001.1
7.5°	2159.1	2128.2	2103.7	2054.7	1986.6	1940.3	1920.3	1906.7	1915.8
10°	2096.4	2059.2	2031.1	1973.0	1898.5	1843.1	1818.6	1805.9	1815.0
12.5°	2014.7	1983.9	1941.2	1877.6	1797.7	1739.6	1721.5	1711.5	1715.1
15°	1928.5	1892.2	1844.9	1781.4	1701.5	1643.4	1632.5	1626.1	1627.9
17.5°	1803.2	1767.8	1726.9	1665.2	1591.6	1544.4	1544.4	1539.9	1542.6
20°	1647.0	1627.9	1588.0	1536.2	1473.6	1430.9	1444.5	1440.0	1445.4
22.5°	1478.1	1463.6	1429.1	1386.4	1333.8	1300.2	1330.1	1329.2	1336.5
25°	1284.7	1273.8	1250.2	1213.9	1167.6	1146.7	1196.7	1196.7	1215.7
27.5°	1071.4	1060.5	1044.1	1013.3	975.1	968.8	1042.3	1051.4	1072.3
30°	853.5	846.2	837.1	809.0	777.2	789.0	890.7	906.1	929.7
32.5°	659.2	654.6	651.9	626.5	598.3	637.4	753.6	773.6	797.2
35°	497.6	487.6	494.8	475.8	450.3	499.4	627.4	644.6	663.7
37.5°	366.8	359.5	365.9	352.3	329.6	383.2	503.9	514.8	527.5
40°	263.3	256.9	262.4	254.2	236.1	286.0	395.0	406.8	412.2
42.5°	187.0	176.1	181.6	175.2	166.2	215.2	310.5	321.4	323.2
45°	118.0	114.4	118.0	114.4	112.6	159.8	245.1	255.1	259.7
47.5°	71.7	67.2	67.2	65.4	67.2	118.0	202.5	217.0	224.3
50°	40.9	39.0	38.1	37.2	40.9	92.6	175.2	191.6	200.7
52.5°	27.2	26.3	26.3	25.4	30.0	78.1	158.0	172.5	181.6
55°	20.0	19.1	19.1	19.1	23.6	67.2	145.3	157.1	165.2
57.5°	15.4	15.4	15.4	14.5	20.0	57.2	129.8	136.2	142.5
60°	12.7	11.8	11.8	11.8	16.3	49.0	111.7	114.4	118.0
62.5°	10.0	10.0	10.0	10.0	13.6	43.6	96.2	96.2	98.1
65°	9.1	8.2	8.2	8.2	11.8	38.1	80.8	79.9	81.7
67.5°	7.3	7.3	7.3	7.3	10.0	32.7	66.3	65.4	67.2
70°	6.4	6.4	6.4	6.4	8.2	27.2	53.6	52.7	54.5
72.5°	5.4	5.4	5.4	5.4	7.3	22.7	42.7	42.7	43.6
75°	4.5	4.5	4.5	4.5	6.4	17.3	34.5	34.5	35.4
77.5°	3.6	3.6	3.6	3.6	4.5	13.6	26.3	25.4	25.4
80°	1.8	2.7	2.7	2.7	3.6	10.0	19.1	17.3	17.3
82.5°	0.9	1.8	1.8	1.8	3.6	7.3	12.7	11.8	11.8
85°	0.9	0.9	0.9	2.7	3.6	5.4	8.2	8.2	8.2
87.5°	0.0	0.9	1.8	3.6	4.5	4.5	5.4	4.5	4.5
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)