

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: P799434

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDSWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799434  
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 6LBMDSWWH  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

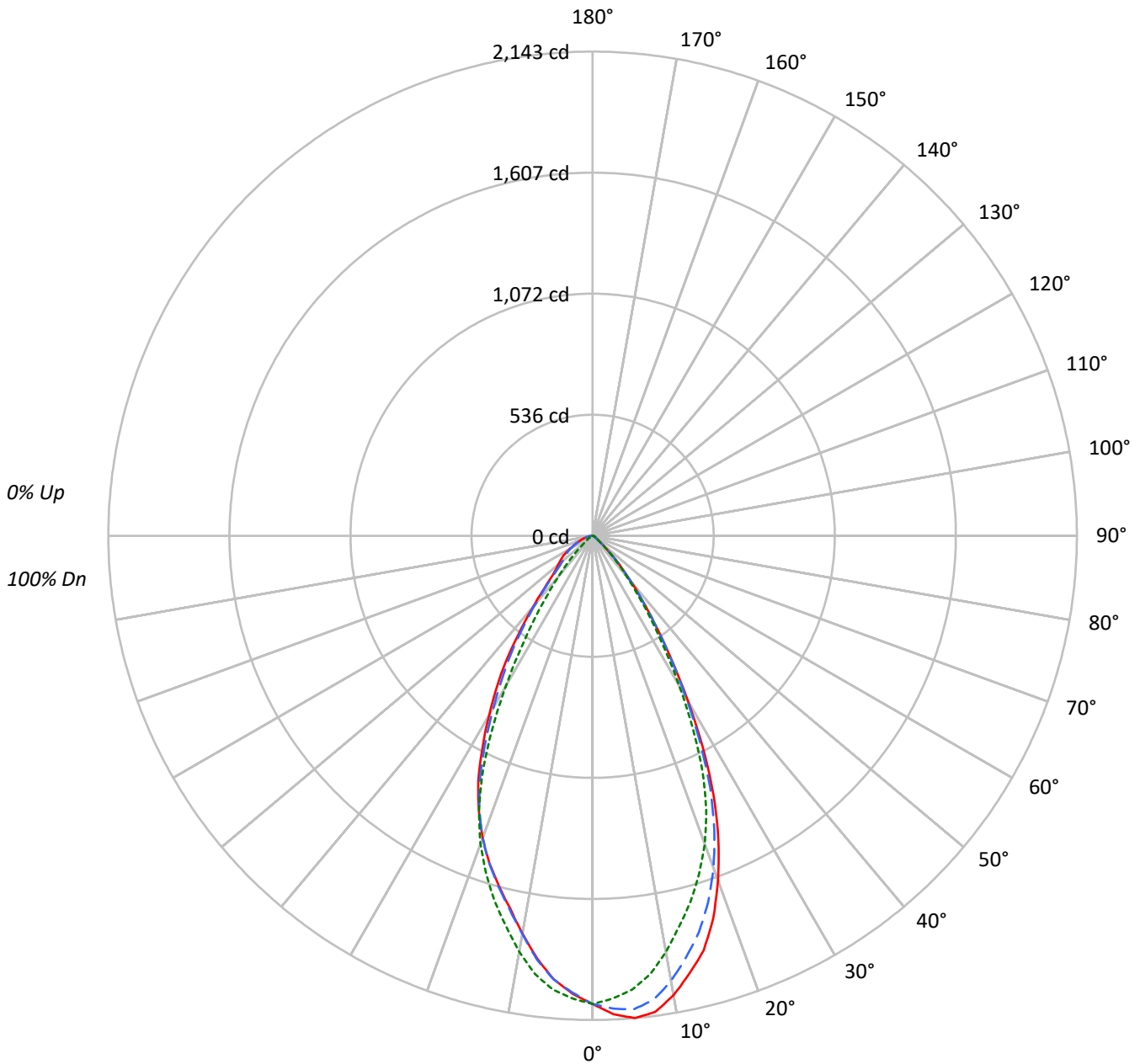
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1784.0 lumens  
Efficiency: N/A  
Efficacy: 81.8 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

TEST NUMBER: P799434

CATALOG NUMBER: LD6C20D010 EU6209030 6LBMDSWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P799434

CATALOG NUMBER: LD6C20D010 EU6209030 6LBMDSWWH

**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°	113593	113593	113593
5°	117912	110929	108419
10°	114894	104051	99469
15°	107759	95074	90965
20°	94602	84637	83021
25°	76510	69536	72403
30°	53192	48438	57946
35°	32786	29674	43734
40°	18549	16631	29040
45°	9009	8590	19824
50°	3428	3428	16852
55°	1883	2217	15550
60°	1371	1765	12740
65°	1154	1505	10442
70°	1010	1282	8591
75°	953	1334	7392
80°	568	1137	5367
85°	566	2264	5032



TEST NUMBER: P799434

CATALOG NUMBER: LD6C20D010 EU6209030 6LBMDSWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.7	10.6
10°-20°	476.8	26.7
20°-30°	536.7	30.1
30°-40°	332.3	18.6
40°-50°	132.3	7.4
50°-60°	60.2	3.4
60°-70°	34.6	1.9
70°-80°	16.5	0.9
80°-90°	4.8	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°	1203.2	67.4
0°-40°	1535.5	86.1
0°-60°	1728.1	96.9
0°-90°	1784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1784.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2072	2072	2072	2072	2072	
5°	2143	2103	2016	1972	1970	202
15°	1899	1816	1675	1607	1603	525
25°	1265	1231	1150	1178	1197	569
35°	490	487	443	618	654	315
45°	116	116	111	241	256	98
55°	20	19	23	143	163	20
65°	9	8	12	80	80	9
75°	4	4	6	34	35	5
85°	1	1	4	8	8	1
90°	0	0	0	0	0	



TEST NUMBER: P799434

CATALOG NUMBER: LD6C20D010 EU6209030 6LBMDSWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1
2.5°	2119.5	2099.8	2095.3	2078.4	2049.7	2033.7	2023.8	2016.7	2029.2
5°	2142.7	2121.3	2103.4	2068.5	2015.8	1986.3	1972.0	1960.4	1970.2
7.5°	2125.7	2095.3	2071.2	2022.9	1955.9	1910.3	1890.6	1877.2	1886.2
10°	2064.0	2027.4	1999.7	1942.5	1869.2	1814.6	1790.5	1778.0	1786.9
12.5°	1983.6	1953.2	1911.2	1848.6	1770.0	1712.7	1694.9	1685.0	1688.6
15°	1898.7	1862.9	1816.4	1753.9	1675.2	1618.0	1607.3	1601.0	1602.8
17.5°	1775.3	1740.5	1700.2	1639.4	1567.0	1520.5	1520.5	1516.1	1518.8
20°	1621.6	1602.8	1563.5	1512.5	1450.8	1408.8	1422.2	1417.7	1423.1
22.5°	1455.3	1441.0	1407.0	1365.0	1313.2	1280.1	1309.6	1308.7	1315.8
25°	1264.9	1254.2	1230.9	1195.2	1149.6	1129.0	1178.2	1178.2	1197.0
27.5°	1054.8	1044.1	1028.0	997.6	960.1	953.8	1026.2	1035.2	1055.7
30°	840.3	833.1	824.2	796.5	765.2	776.8	876.9	892.1	915.4
32.5°	649.0	644.5	641.8	616.8	589.1	627.5	741.9	761.6	784.9
35°	489.9	480.0	487.2	468.4	443.4	491.7	617.7	634.7	653.5
37.5°	361.1	354.0	360.2	346.8	324.5	377.2	496.1	506.8	519.4
40°	259.2	253.0	258.3	250.3	232.4	281.6	388.9	400.5	405.8
42.5°	184.1	173.4	178.8	172.5	163.6	211.9	305.7	316.4	318.2
45°	116.2	112.6	116.2	112.6	110.8	157.3	241.4	251.2	255.7
47.5°	70.6	66.1	66.1	64.4	66.1	116.2	199.3	213.6	220.8
50°	40.2	38.4	37.5	36.7	40.2	91.2	172.5	188.6	197.6
52.5°	26.8	25.9	25.9	25.0	29.5	76.9	155.5	169.8	178.8
55°	19.7	18.8	18.8	18.8	23.2	66.1	143.0	154.6	162.7
57.5°	15.2	15.2	15.2	14.3	19.7	56.3	127.8	134.1	140.3
60°	12.5	11.6	11.6	11.6	16.1	48.3	110.0	112.6	116.2
62.5°	9.8	9.8	9.8	9.8	13.4	42.9	94.8	94.8	96.5
65°	8.9	8.0	8.0	8.0	11.6	37.5	79.6	78.7	80.5
67.5°	7.2	7.2	7.2	7.2	9.8	32.2	65.3	64.4	66.1
70°	6.3	6.3	6.3	6.3	8.0	26.8	52.7	51.8	53.6
72.5°	5.4	5.4	5.4	5.4	7.2	22.3	42.0	42.0	42.9
75°	4.5	4.5	4.5	4.5	6.3	17.0	34.0	34.0	34.9
77.5°	3.6	3.6	3.6	3.6	4.5	13.4	25.9	25.0	25.0
80°	1.8	2.7	2.7	2.7	3.6	9.8	18.8	17.0	17.0
82.5°	0.9	1.8	1.8	1.8	3.6	7.2	12.5	11.6	11.6
85°	0.9	0.9	0.9	2.7	3.6	5.4	8.0	8.0	8.0
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)