

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: P799366

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDDWLI**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799366  
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: LD6C15D010 EU6159030 6LBMDDWLI  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

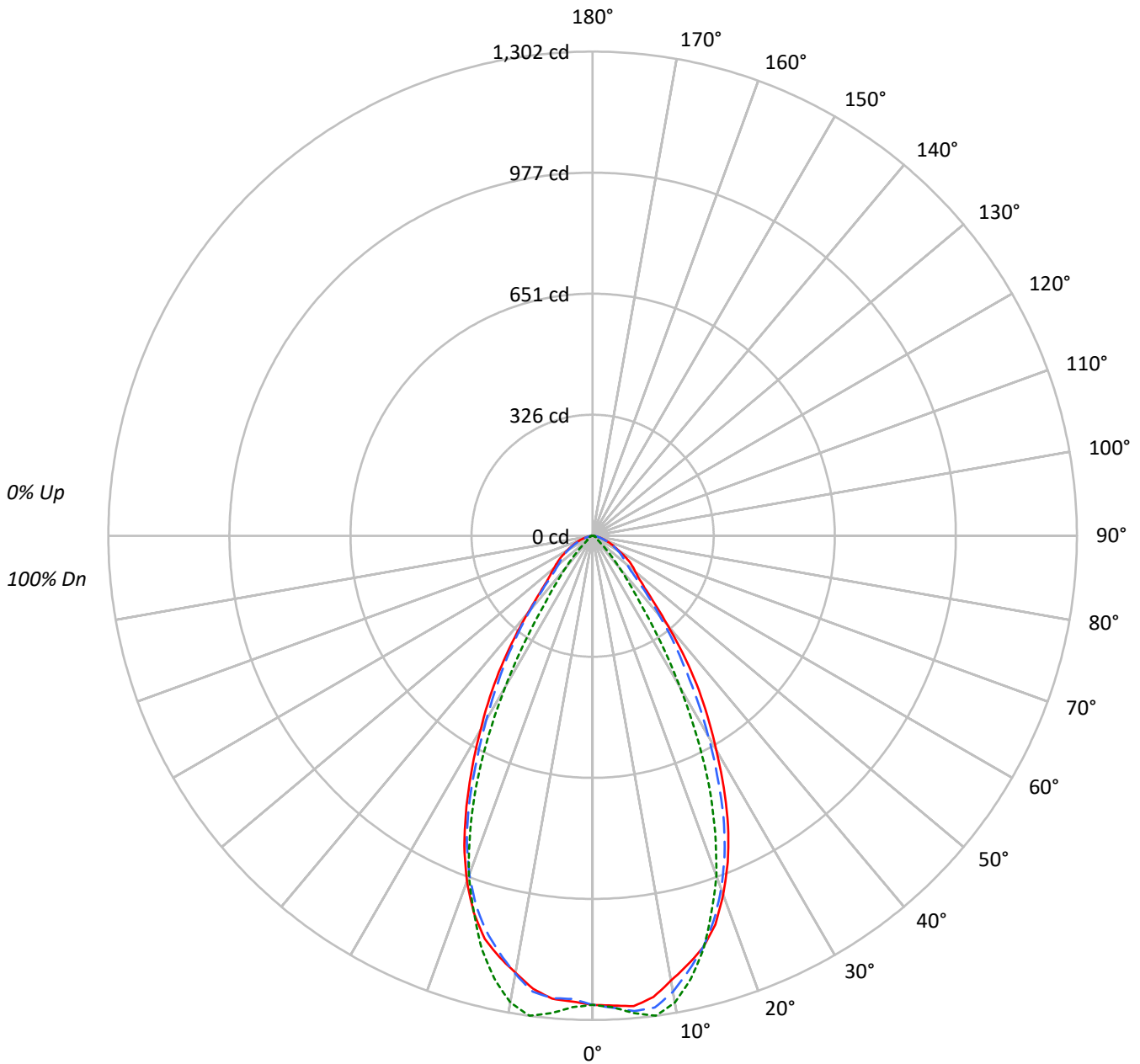
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1284.0 lumens  
Efficiency: N/A  
Efficacy: 81.3 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): 15.8  
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: P799366

CATALOG NUMBER: LD6C15D010 EU6159030 6LBMDDWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P799366

CATALOG NUMBER: LD6C15D010 EU6159030 6LBMDDWLI

**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			
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°	69139	69139	69139
5°	69866	70922	68770
10°	67601	70924	66421
15°	65063	65318	63678
20°	59879	56734	57633
25°	52116	44743	48541
30°	42032	29726	38132
35°	32585	15325	28636
40°	22356	7943	19279
45°	15319	3977	13529
50°	12750	1697	11599
55°	11469	1472	10360
60°	9078	1403	8651
65°	7485	1245	7407
70°	6059	1138	6059
75°	4490	1228	4766
80°	2620	1010	2841
85°	2013	1195	2013



TEST NUMBER: P799366

CATALOG NUMBER: LD6C15D010 EU6159030 6LBMDDWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.1	9.4
10°-20°	315.1	24.5
20°-30°	359.7	28.0
30°-40°	238.5	18.6
40°-50°	115.0	9.0
50°-60°	70.8	5.5
60°-70°	42.8	3.3
70°-80°	18.0	1.4
80°-90°	4.0	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°	794.8	61.9
0°-40°	1033.4	80.5
0°-60°	1219.2	95.0
0°-90°	1284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1261	1261	1261	1261	1261	
5°	1270	1283	1289	1248	1250	119
15°	1146	1146	1151	1102	1122	319
25°	862	833	740	783	802	391
35°	487	429	229	400	428	301
45°	198	173	51	162	174	161
55°	120	98	15	98	108	106
65°	58	55	10	52	57	58
75°	21	21	6	20	22	23
85°	3	4	2	3	3	4
90°	0	0	0	0	0	



TEST NUMBER: P799366

CATALOG NUMBER: LD6C15D010 EU6159030 6LBMDDWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2
2.5°	1264.4	1266.4	1270.2	1270.8	1268.9	1256.7	1246.5	1250.3	1253.5
5°	1269.6	1273.4	1283.0	1292.0	1288.8	1268.3	1247.8	1247.1	1249.7
7.5°	1251.0	1259.9	1279.8	1302.3	1301.6	1266.4	1236.2	1228.5	1228.5
10°	1214.4	1222.7	1244.5	1274.7	1274.1	1229.8	1196.4	1192.6	1193.2
12.5°	1181.7	1185.5	1196.4	1220.2	1220.2	1176.5	1150.9	1154.7	1159.9
15°	1146.4	1149.0	1146.4	1154.1	1150.9	1115.0	1102.1	1114.3	1122.0
17.5°	1096.4	1097.6	1084.2	1073.9	1061.7	1039.3	1042.5	1060.4	1062.4
20°	1026.4	1034.8	1010.4	984.1	972.5	951.4	969.3	989.2	987.9
22.5°	949.4	959.1	927.6	884.0	860.3	851.9	884.0	902.0	901.3
25°	861.6	868.6	832.7	771.7	739.7	738.4	782.7	801.3	802.5
27.5°	762.8	765.3	724.9	645.4	605.6	615.2	671.0	696.7	699.9
30°	664.0	662.7	621.0	522.2	469.6	495.9	571.0	599.2	602.4
32.5°	573.5	569.7	522.2	404.2	341.3	380.4	479.2	508.7	513.9
35°	486.9	480.5	429.2	298.9	229.0	287.4	400.3	426.0	427.9
37.5°	396.5	393.3	352.8	223.9	159.7	218.1	326.5	345.1	343.2
40°	312.4	312.4	279.1	166.2	111.0	162.3	258.5	275.2	269.4
42.5°	245.1	248.3	220.0	122.5	78.9	120.6	204.6	220.0	213.6
45°	197.6	197.6	173.2	91.1	51.3	89.8	161.7	175.8	174.5
47.5°	167.4	164.9	140.5	66.7	28.2	67.4	136.0	153.3	152.7
50°	149.5	145.6	120.6	52.6	19.9	55.8	119.3	135.4	136.0
52.5°	135.4	129.6	108.4	46.8	17.3	48.8	108.4	121.2	121.2
55°	120.0	116.8	97.5	41.7	15.4	43.6	97.5	109.1	108.4
57.5°	101.4	100.7	87.2	37.8	14.1	38.5	87.2	94.3	91.7
60°	82.8	85.3	75.7	34.0	12.8	34.6	74.4	80.2	78.9
62.5°	69.3	72.5	66.1	30.2	10.9	30.8	62.9	68.6	67.4
65°	57.7	60.3	55.2	25.7	9.6	25.7	52.0	57.1	57.1
67.5°	47.5	49.4	45.5	21.2	8.3	21.2	42.3	46.8	47.5
70°	37.8	39.1	35.9	16.7	7.1	17.3	33.4	37.8	37.8
72.5°	29.5	30.2	28.2	13.5	6.4	13.5	25.7	29.5	29.5
75°	21.2	22.5	21.2	10.3	5.8	10.3	19.9	21.8	22.5
77.5°	12.2	15.4	15.4	8.3	4.5	7.7	14.1	14.8	14.8
80°	8.3	9.6	10.9	5.8	3.2	5.8	9.0	9.6	9.0
82.5°	5.8	6.4	6.4	3.8	2.6	3.8	5.8	6.4	5.8
85°	3.2	4.5	4.5	3.2	1.9	2.6	3.2	3.8	3.2
87.5°	1.9	2.6	3.2	2.6	1.9	1.9	1.9	1.9	1.3
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)