

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: P799356

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDDWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799356  
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 EU6159027 6LBMDDWWH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

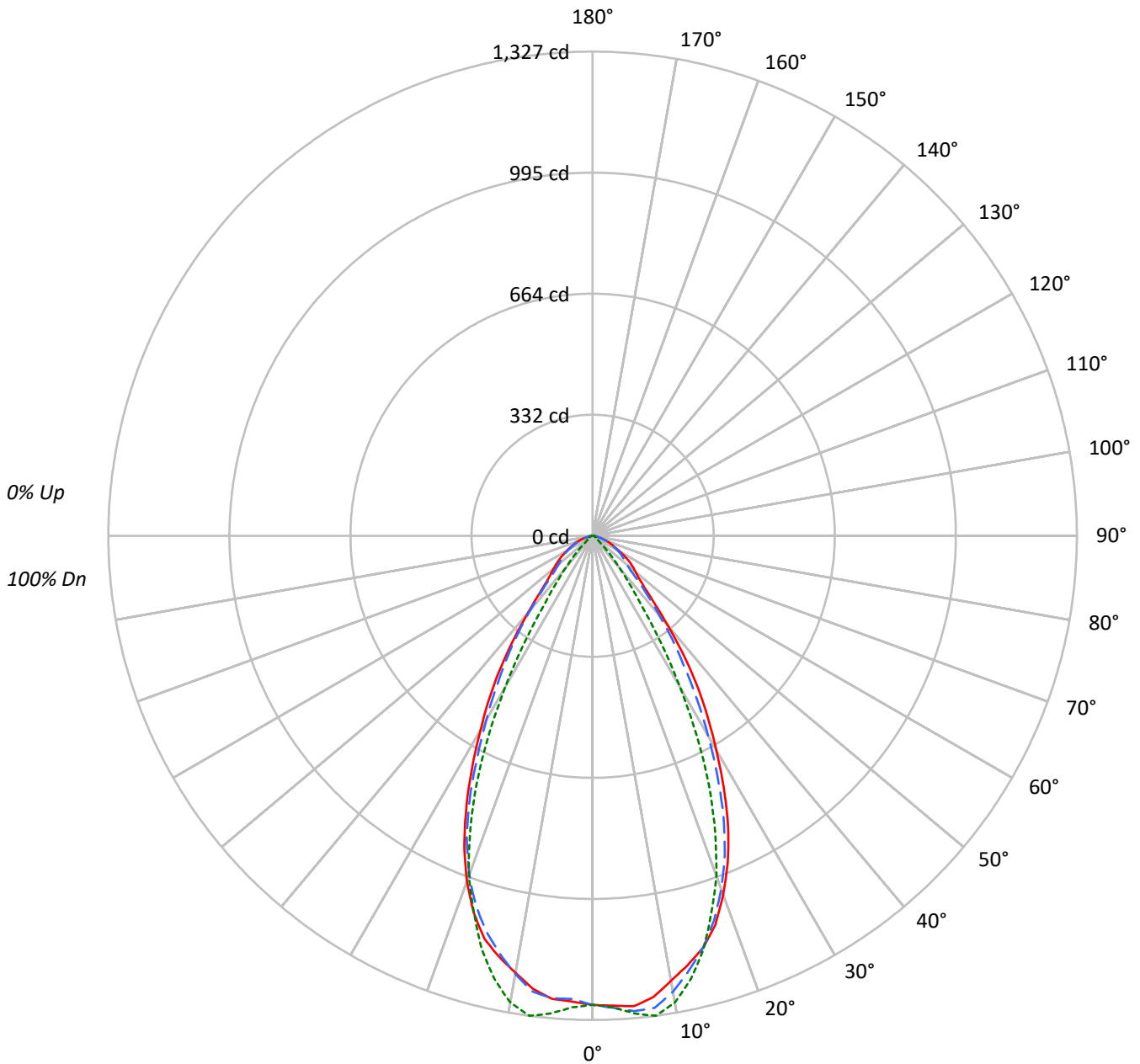
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1309.0 lumens  
Efficiency: N/A  
Efficacy: 82.8 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

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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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91				
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59				
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51				
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48				
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	70488	70488	70488
5°	71225	72303	70108
10°	68914	72304	67718
15°	66328	66589	64921
20°	61045	57843	58758
25°	53126	45614	49491
30°	42848	30302	38873
35°	33221	15627	29192
40°	22793	8094	19658
45°	15614	4055	13792
50°	12997	1731	11829
55°	11689	1501	10561
60°	9254	1436	8815
65°	7640	1271	7549
70°	6187	1154	6187
75°	4575	1250	4850
80°	2683	1042	2904
85°	2076	1258	2076



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.4	9.3
10°-20°	321.2	24.5
20°-30°	366.7	28.0
30°-40°	243.2	18.6
40°-50°	117.3	9.0
50°-60°	72.1	5.5
60°-70°	43.7	3.3
70°-80°	18.4	1.4
80°-90°	4.1	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°	810.3	61.9
0°-40°	1053.5	80.5
0°-60°	1242.9	95.0
0°-90°	1309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1286	1286	1286	1286	1286	
5°	1294	1308	1314	1272	1274	122
15°	1169	1169	1173	1124	1144	326
25°	878	849	754	798	818	398
35°	496	438	234	408	436	307
45°	201	177	52	165	178	164
55°	122	99	16	99	110	108
65°	59	56	10	53	58	59
75°	22	22	6	20	23	23
85°	3	5	2	3	3	4
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°	1285.8	1285.8	1285.8	1285.8	1285.8	1285.8	1285.8	1285.8	1285.8
2.5°	1289.1	1291.0	1294.9	1295.6	1293.6	1281.2	1270.7	1274.7	1277.9
5°	1294.3	1298.2	1308.0	1317.2	1313.9	1293.0	1272.0	1271.4	1274.0
7.5°	1275.3	1284.5	1304.7	1327.6	1327.0	1291.0	1260.3	1252.4	1252.4
10°	1238.0	1246.5	1268.8	1299.5	1298.9	1253.7	1219.7	1215.8	1216.5
12.5°	1204.7	1208.6	1219.7	1243.9	1243.9	1199.5	1173.3	1177.2	1182.4
15°	1168.7	1171.3	1168.7	1176.6	1173.3	1136.7	1123.6	1136.0	1143.9
17.5°	1117.7	1119.0	1105.3	1094.8	1082.4	1059.5	1062.8	1081.1	1083.0
20°	1046.4	1054.9	1030.1	1003.3	991.5	969.9	988.2	1008.5	1007.2
22.5°	967.9	977.7	945.7	901.2	877.0	868.5	901.2	919.5	918.9
25°	878.3	885.5	848.9	786.8	754.1	752.8	797.9	816.9	818.2
27.5°	777.6	780.2	739.0	657.9	617.4	627.2	684.1	710.3	713.5
30°	676.9	675.6	633.1	532.4	478.7	505.5	582.1	610.8	614.1
32.5°	584.7	580.8	532.4	412.0	347.9	387.8	488.5	518.6	523.9
35°	496.4	489.9	437.5	304.8	233.5	293.0	408.1	434.3	436.2
37.5°	404.2	400.9	359.7	228.2	162.8	222.4	332.9	351.9	349.9
40°	318.5	318.5	284.5	169.4	113.1	165.5	263.6	280.6	274.7
42.5°	249.8	253.1	224.3	124.9	80.4	123.0	208.6	224.3	217.8
45°	201.4	201.4	176.6	92.9	52.3	91.6	164.8	179.2	177.9
47.5°	170.7	168.1	143.2	68.0	28.8	68.7	138.7	156.3	155.7
50°	152.4	148.5	123.0	53.6	20.3	56.9	121.6	138.0	138.7
52.5°	138.0	132.1	110.5	47.7	17.7	49.7	110.5	123.6	123.6
55°	122.3	119.0	99.4	42.5	15.7	44.5	99.4	111.2	110.5
57.5°	103.3	102.7	88.9	38.6	14.4	39.2	88.9	96.1	93.5
60°	84.4	87.0	77.2	34.7	13.1	35.3	75.9	81.8	80.4
62.5°	70.6	73.9	67.4	30.7	11.1	31.4	64.1	70.0	68.7
65°	58.9	61.5	56.2	26.2	9.8	26.2	53.0	58.2	58.2
67.5°	48.4	50.4	46.4	21.6	8.5	21.6	43.2	47.7	48.4
70°	38.6	39.9	36.6	17.0	7.2	17.7	34.0	38.6	38.6
72.5°	30.1	30.7	28.8	13.7	6.5	13.7	26.2	30.1	30.1
75°	21.6	22.9	21.6	10.5	5.9	10.5	20.3	22.2	22.9
77.5°	12.4	15.7	15.7	8.5	4.6	7.8	14.4	15.0	15.0
80°	8.5	9.8	11.1	5.9	3.3	5.9	9.2	9.8	9.2
82.5°	5.9	6.5	6.5	3.9	2.6	3.9	5.9	6.5	5.9
85°	3.3	4.6	4.6	3.3	2.0	2.6	3.3	3.9	3.3
87.5°	2.0	2.6	3.3	2.6	2.0	2.0	2.0	2.0	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)