

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: P799392

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDDWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799392  
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 EU6159040 6LBMDDWWH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

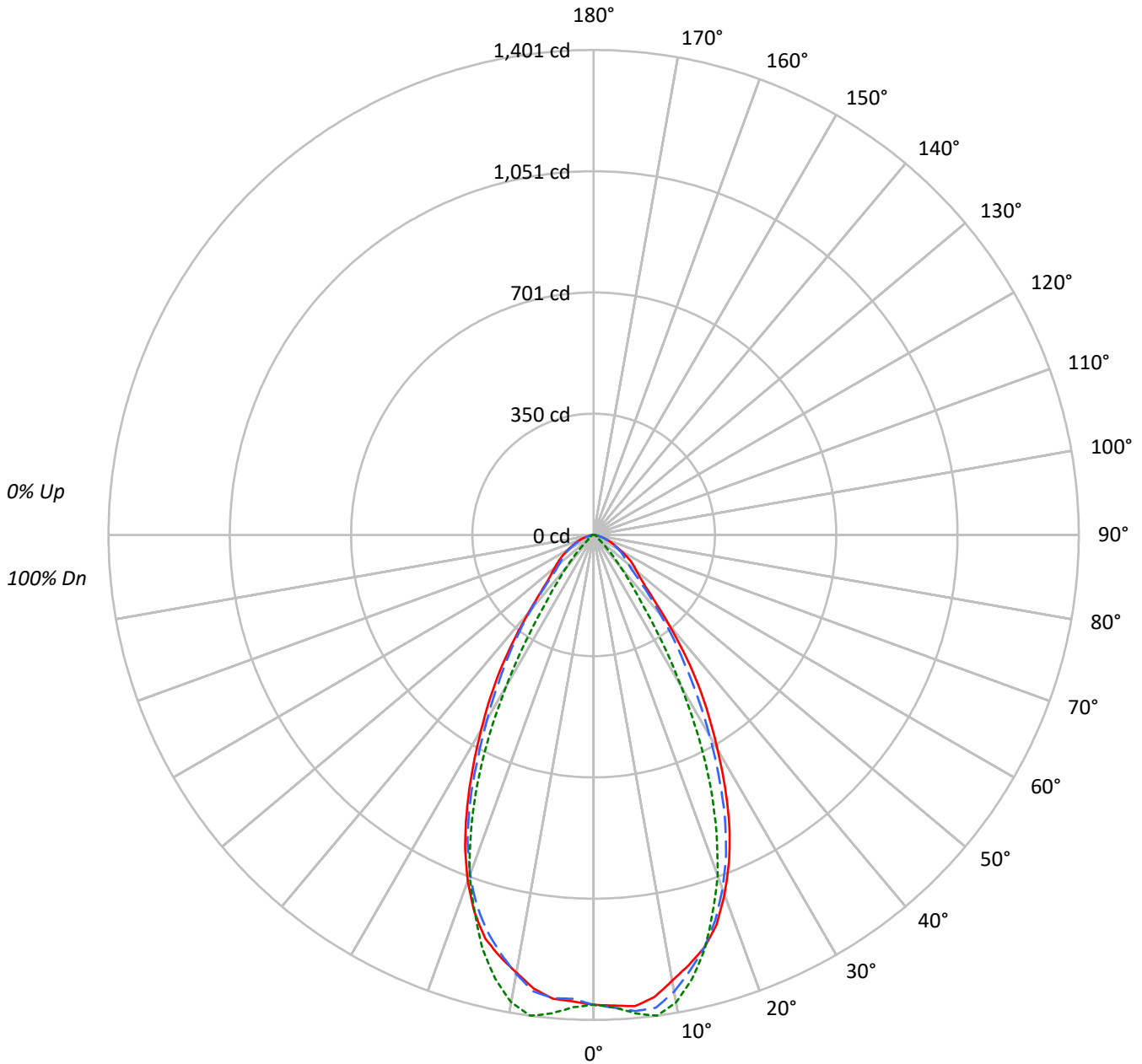
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1382.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 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	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°	74418	74418	74418
5°	75198	76337	74020
10°	72761	76335	71492
15°	70029	70301	68542
20°	64452	61069	62031
25°	56090	48154	52249
30°	45235	31992	41044
35°	35074	16497	30825
40°	24067	8552	20753
45°	16490	4280	14560
50°	13722	1825	12486
55°	12339	1587	11154
60°	9769	1513	9308
65°	8055	1349	7978
70°	6524	1218	6524
75°	4829	1313	5126
80°	2841	1105	3062
85°	2201	1321	2201



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.2	9.3
10°-20°	339.2	24.5
20°-30°	387.1	28.0
30°-40°	256.7	18.6
40°-50°	123.8	9.0
50°-60°	76.2	5.5
60°-70°	46.1	3.3
70°-80°	19.4	1.4
80°-90°	4.3	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°	855.5	61.9
0°-40°	1112.2	80.5
0°-60°	1312.2	95.0
0°-90°	1382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1382.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1358	1358	1358	1358	1358	
5°	1366	1381	1387	1343	1345	128
15°	1234	1234	1239	1186	1208	344
25°	927	896	796	842	864	420
35°	524	462	246	431	461	324
45°	213	186	55	174	188	173
55°	129	105	17	105	117	114
65°	62	59	10	56	62	62
75°	23	23	6	21	24	24
85°	4	5	2	4	4	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°	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5
2.5°	1360.9	1363.0	1367.2	1367.8	1365.8	1352.7	1341.6	1345.8	1349.2
5°	1366.5	1370.6	1381.0	1390.6	1387.2	1365.1	1343.0	1342.3	1345.1
7.5°	1346.4	1356.1	1377.5	1401.7	1401.0	1363.0	1330.6	1322.3	1322.3
10°	1307.1	1316.1	1339.5	1372.0	1371.3	1323.7	1287.8	1283.6	1284.3
12.5°	1271.9	1276.0	1287.8	1313.3	1313.3	1266.3	1238.7	1242.9	1248.4
15°	1233.9	1236.7	1233.9	1242.2	1238.7	1200.1	1186.2	1199.4	1207.7
17.5°	1180.0	1181.4	1166.9	1155.9	1142.7	1118.6	1122.0	1141.4	1143.4
20°	1104.8	1113.7	1087.5	1059.2	1046.8	1024.0	1043.3	1064.7	1063.3
22.5°	1021.9	1032.3	998.4	951.5	925.9	917.0	951.5	970.8	970.1
25°	927.3	934.9	896.2	830.7	796.1	794.7	842.4	862.4	863.8
27.5°	821.0	823.7	780.2	694.6	651.8	662.2	722.2	749.9	753.3
30°	714.6	713.3	668.4	562.1	505.4	533.7	614.5	644.9	648.4
32.5°	617.3	613.1	562.1	435.0	367.3	409.5	515.8	547.6	553.1
35°	524.1	517.2	461.9	321.8	246.5	309.3	430.9	458.5	460.6
37.5°	426.7	423.3	379.8	241.0	171.9	234.8	351.5	371.5	369.4
40°	336.3	336.3	300.4	178.8	119.5	174.7	278.3	296.2	290.0
42.5°	263.8	267.2	236.8	131.9	84.9	129.8	220.3	236.8	229.9
45°	212.7	212.7	186.4	98.0	55.2	96.7	174.0	189.2	187.8
47.5°	180.2	177.5	151.2	71.8	30.4	72.5	146.4	165.0	164.3
50°	160.9	156.7	129.8	56.6	21.4	60.1	128.4	145.7	146.4
52.5°	145.7	139.5	116.7	50.4	18.6	52.5	116.7	130.5	130.5
55°	129.1	125.7	105.0	44.9	16.6	47.0	105.0	117.4	116.7
57.5°	109.1	108.4	93.9	40.7	15.2	41.4	93.9	101.5	98.7
60°	89.1	91.8	81.5	36.6	13.8	37.3	80.1	86.3	84.9
62.5°	74.6	78.0	71.1	32.5	11.7	33.1	67.7	73.9	72.5
65°	62.1	64.9	59.4	27.6	10.4	27.6	55.9	61.5	61.5
67.5°	51.1	53.2	49.0	22.8	9.0	22.8	45.6	50.4	51.1
70°	40.7	42.1	38.7	18.0	7.6	18.6	35.9	40.7	40.7
72.5°	31.8	32.5	30.4	14.5	6.9	14.5	27.6	31.8	31.8
75°	22.8	24.2	22.8	11.0	6.2	11.0	21.4	23.5	24.2
77.5°	13.1	16.6	16.6	9.0	4.8	8.3	15.2	15.9	15.9
80°	9.0	10.4	11.7	6.2	3.5	6.2	9.7	10.4	9.7
82.5°	6.2	6.9	6.9	4.1	2.8	4.1	6.2	6.9	6.2
85°	3.5	4.8	4.8	3.5	2.1	2.8	3.5	4.1	3.5
87.5°	2.1	2.8	3.5	2.8	2.1	2.1	2.1	2.1	1.4
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)