

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: P799384

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799384
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: LD6C15D010 EU6159035 6LBMDSWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

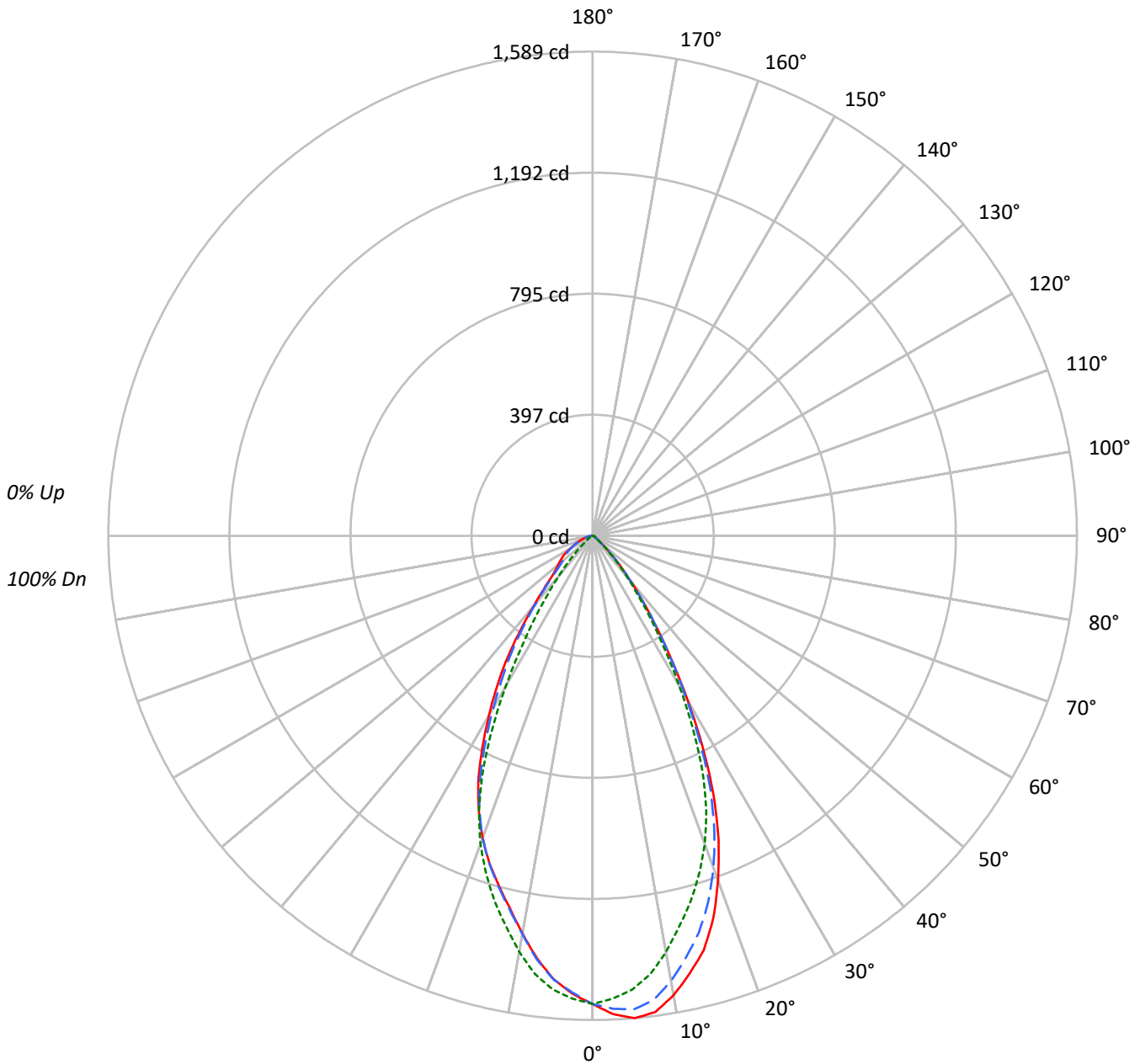
Lumens per Lamp: N/A
Luminaire Lumens: 1323.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): 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	57	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°	84237	84237	84237
5°	87442	82264	80404
10°	85208	77164	73768
15°	79910	70506	67458
20°	70152	62766	61570
25°	56737	51565	53689
30°	39443	35923	42969
35°	24313	22004	32431
40°	13754	12337	21540
45°	6683	6373	14699
50°	2541	2541	12494
55°	1395	1644	11536
60°	1020	1305	9451
65°	856	1116	7744
70°	737	962	6379
75°	699	974	5486
80°	410	852	3978
85°	440	1698	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	10.6
10°-20°	353.6	26.7
20°-30°	398.0	30.1
30°-40°	246.5	18.6
40°-50°	98.1	7.4
50°-60°	44.7	3.4
60°-70°	25.7	1.9
70°-80°	12.2	0.9
80°-90°	3.6	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°	892.3	67.4
0°-40°	1138.7	86.1
0°-60°	1281.6	96.9
0°-90°	1323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1537	1537	1537	1537	1537	
5°	1589	1560	1495	1462	1461	150
15°	1408	1347	1242	1192	1189	390
25°	938	913	852	874	888	422
35°	363	361	329	458	485	233
45°	86	86	82	179	190	73
55°	15	14	17	106	121	14
65°	7	6	9	59	60	6
75°	3	3	5	25	26	3
85°	1	1	3	6	6	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°	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6
2.5°	1571.8	1557.2	1553.9	1541.3	1520.1	1508.1	1500.8	1495.5	1504.8
5°	1589.0	1573.1	1559.8	1534.0	1494.9	1473.0	1462.4	1453.8	1461.1
7.5°	1576.4	1553.9	1536.0	1500.2	1450.5	1416.7	1402.1	1392.1	1398.8
10°	1530.7	1503.5	1483.0	1440.5	1386.2	1345.7	1327.8	1318.5	1325.2
12.5°	1471.0	1448.5	1417.3	1370.9	1312.6	1270.2	1256.9	1249.6	1252.3
15°	1408.0	1381.5	1347.1	1300.6	1242.3	1199.9	1191.9	1187.3	1188.6
17.5°	1316.6	1290.7	1260.9	1215.8	1162.1	1127.6	1127.6	1124.3	1126.3
20°	1202.5	1188.6	1159.4	1121.7	1075.9	1044.8	1054.7	1051.4	1055.4
22.5°	1079.2	1068.6	1043.4	1012.3	973.8	949.3	971.2	970.5	975.8
25°	938.0	930.1	912.8	886.3	852.5	837.3	873.7	873.7	887.6
27.5°	782.2	774.3	762.4	739.8	712.0	707.3	761.0	767.7	782.9
30°	623.1	617.8	611.2	590.7	567.5	576.1	650.3	661.6	678.8
32.5°	481.3	478.0	476.0	457.4	436.9	465.4	550.2	564.8	582.0
35°	363.3	356.0	361.3	347.4	328.8	364.6	458.1	470.7	484.6
37.5°	267.8	262.5	267.2	257.2	240.6	279.8	367.9	375.9	385.2
40°	192.2	187.6	191.6	185.6	172.4	208.8	288.4	297.0	301.0
42.5°	136.6	128.6	132.6	127.9	121.3	157.1	226.7	234.7	236.0
45°	86.2	83.5	86.2	83.5	82.2	116.7	179.0	186.3	189.6
47.5°	52.4	49.1	49.1	47.7	49.1	86.2	147.8	158.4	163.7
50°	29.8	28.5	27.8	27.2	29.8	67.6	127.9	139.9	146.5
52.5°	19.9	19.2	19.2	18.6	21.9	57.0	115.3	126.0	132.6
55°	14.6	13.9	13.9	13.9	17.2	49.1	106.1	114.7	120.7
57.5°	11.3	11.3	11.3	10.6	14.6	41.8	94.8	99.4	104.1
60°	9.3	8.6	8.6	8.6	11.9	35.8	81.5	83.5	86.2
62.5°	7.3	7.3	7.3	7.3	9.9	31.8	70.3	70.3	71.6
65°	6.6	6.0	6.0	6.0	8.6	27.8	59.0	58.3	59.7
67.5°	5.3	5.3	5.3	5.3	7.3	23.9	48.4	47.7	49.1
70°	4.6	4.6	4.6	4.6	6.0	19.9	39.1	38.4	39.8
72.5°	4.0	4.0	4.0	4.0	5.3	16.6	31.2	31.2	31.8
75°	3.3	3.3	3.3	3.3	4.6	12.6	25.2	25.2	25.9
77.5°	2.7	2.7	2.7	2.7	3.3	9.9	19.2	18.6	18.6
80°	1.3	2.0	2.0	2.0	2.7	7.3	13.9	12.6	12.6
82.5°	0.7	1.3	1.3	1.3	2.7	5.3	9.3	8.6	8.6
85°	0.7	0.7	0.7	2.0	2.7	4.0	6.0	6.0	6.0
87.5°	0.0	0.7	1.3	2.7	3.3	3.3	4.0	3.3	3.3
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)