

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: P799396

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799396
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 EU6159040 6LBMDSWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

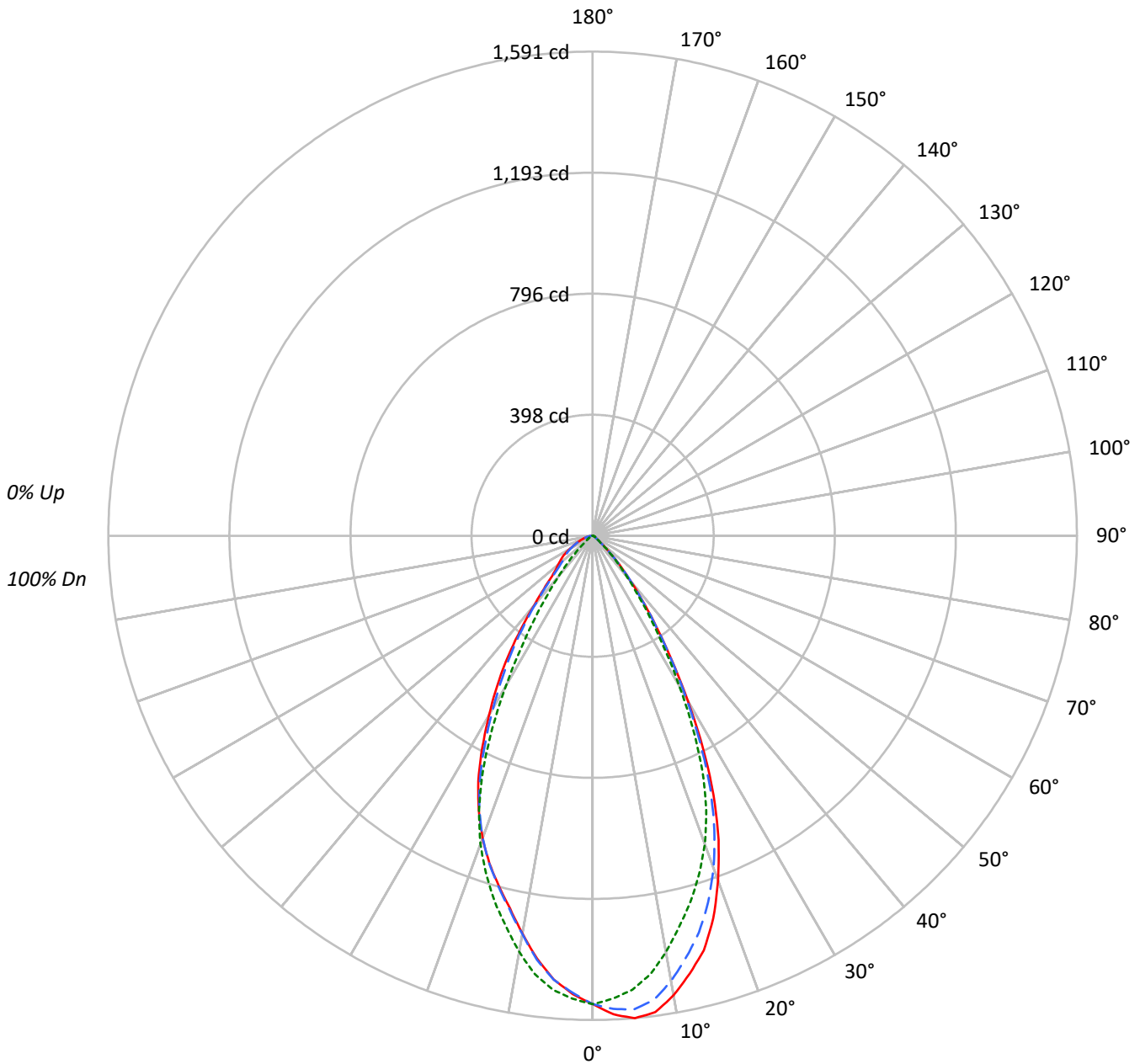
Lumens per Lamp: N/A
Luminaire Lumens: 1325.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799396

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDSWLI

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	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°	84368	84368	84368
5°	87574	82385	80525
10°	85336	77281	73880
15°	80035	70613	67560
20°	70263	62860	61664
25°	56822	51644	53773
30°	39506	35974	43038
35°	24347	22038	32478
40°	13776	12352	21569
45°	6691	6381	14722
50°	2550	2550	12511
55°	1395	1653	11546
60°	1020	1316	9462
65°	856	1116	7757
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°	140.9	10.6
10°-20°	354.1	26.7
20°-30°	398.6	30.1
30°-40°	246.8	18.6
40°-50°	98.3	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°	893.6	67.4
0°-40°	1140.4	86.1
0°-60°	1283.5	96.9
0°-90°	1325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1539	1539	1539	1539	1539	
5°	1591	1562	1497	1465	1463	150
15°	1410	1349	1244	1194	1190	390
25°	939	914	854	875	889	422
35°	364	362	329	459	485	234
45°	86	86	82	179	190	73
55°	15	14	17	106	121	15
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°	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0	1539.0
2.5°	1574.2	1559.6	1556.2	1543.6	1522.4	1510.4	1503.1	1497.8	1507.1
5°	1591.4	1575.5	1562.2	1536.3	1497.1	1475.2	1464.6	1456.0	1463.3
7.5°	1578.8	1556.2	1538.3	1502.5	1452.7	1418.8	1404.2	1394.2	1400.9
10°	1533.0	1505.8	1485.2	1442.7	1388.3	1347.8	1329.8	1320.5	1327.2
12.5°	1473.2	1450.7	1419.5	1373.0	1314.6	1272.1	1258.8	1251.5	1254.1
15°	1410.2	1383.6	1349.1	1302.6	1244.2	1201.7	1193.7	1189.1	1190.4
17.5°	1318.5	1292.7	1262.8	1217.6	1163.9	1129.3	1129.3	1126.0	1128.0
20°	1204.4	1190.4	1161.2	1123.4	1077.5	1046.3	1056.3	1053.0	1057.0
22.5°	1080.9	1070.2	1045.0	1013.8	975.3	950.7	972.6	972.0	977.3
25°	939.4	931.5	914.2	887.7	853.8	838.5	875.0	875.0	889.0
27.5°	783.4	775.5	763.5	740.9	713.1	708.4	762.2	768.8	784.1
30°	624.1	618.8	612.1	591.6	568.3	576.9	651.3	662.6	679.9
32.5°	482.0	478.7	476.7	458.1	437.5	466.1	551.1	565.7	582.9
35°	363.8	356.5	361.8	347.9	329.3	365.2	458.8	471.4	485.3
37.5°	268.2	262.9	267.6	257.6	241.0	280.2	368.5	376.4	385.7
40°	192.5	187.9	191.9	185.9	172.6	209.1	288.8	297.4	301.4
42.5°	136.8	128.8	132.8	128.1	121.5	157.3	227.1	235.0	236.4
45°	86.3	83.7	86.3	83.7	82.3	116.9	179.3	186.6	189.9
47.5°	52.4	49.1	49.1	47.8	49.1	86.3	148.1	158.7	164.0
50°	29.9	28.5	27.9	27.2	29.9	67.7	128.1	140.1	146.7
52.5°	19.9	19.3	19.3	18.6	21.9	57.1	115.5	126.1	132.8
55°	14.6	13.9	13.9	13.9	17.3	49.1	106.2	114.9	120.8
57.5°	11.3	11.3	11.3	10.6	14.6	41.8	94.9	99.6	104.2
60°	9.3	8.6	8.6	8.6	12.0	35.9	81.7	83.7	86.3
62.5°	7.3	7.3	7.3	7.3	10.0	31.9	70.4	70.4	71.7
65°	6.6	6.0	6.0	6.0	8.6	27.9	59.1	58.4	59.8
67.5°	5.3	5.3	5.3	5.3	7.3	23.9	48.5	47.8	49.1
70°	4.6	4.6	4.6	4.6	6.0	19.9	39.2	38.5	39.8
72.5°	4.0	4.0	4.0	4.0	5.3	16.6	31.2	31.2	31.9
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	10.0	19.3	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)