

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: P799373

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799373
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 EU6159030 6LBMDSWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

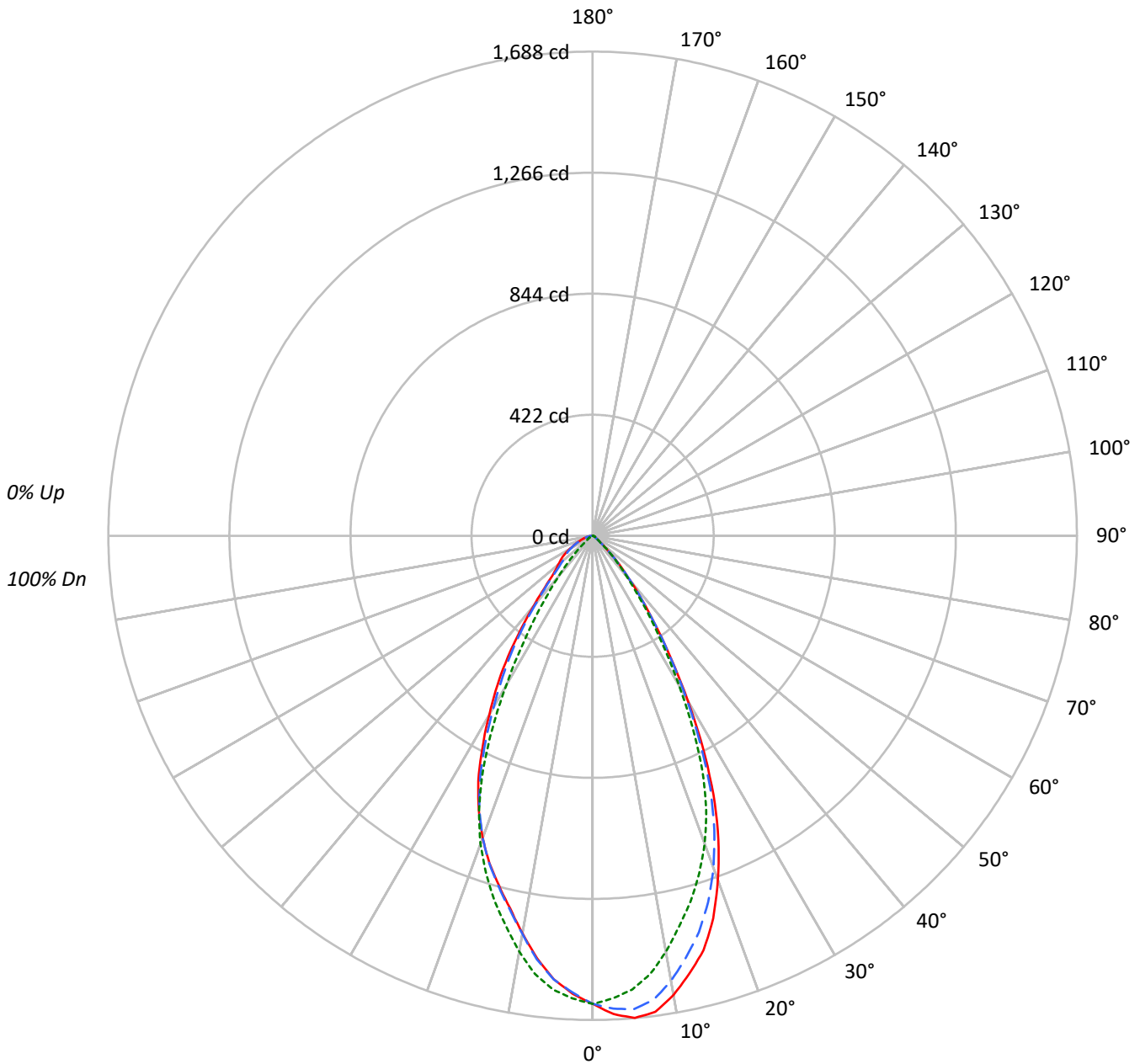
Lumens per Lamp: N/A
Luminaire Lumens: 1405.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	89461	89461	89461
5°	92862	87359	85384
10°	90490	81946	78339
15°	84864	74876	71641
20°	74504	66657	65386
25°	60258	54765	57021
30°	41893	38145	45634
35°	25819	23370	34439
40°	14613	13096	22871
45°	7094	6768	15606
50°	2704	2704	13270
55°	1481	1749	12243
60°	1085	1392	10032
65°	908	1193	8224
70°	785	1010	6764
75°	741	1038	5825
80°	442	884	4230
85°	440	1761	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	10.6
10°-20°	375.5	26.7
20°-30°	422.7	30.1
30°-40°	261.7	18.6
40°-50°	104.2	7.4
50°-60°	47.5	3.4
60°-70°	27.3	1.9
70°-80°	12.9	0.9
80°-90°	3.8	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°	947.6	67.4
0°-40°	1209.3	86.1
0°-60°	1361.0	96.9
0°-90°	1405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1405.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1632	1632	1632	1632	1632	
5°	1688	1656	1588	1553	1552	159
15°	1495	1430	1319	1266	1262	414
25°	996	969	905	928	943	448
35°	386	384	349	486	515	248
45°	92	92	87	190	201	78
55°	16	15	18	113	128	15
65°	7	6	9	63	63	7
75°	4	4	5	27	28	4
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°	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9	1631.9
2.5°	1669.2	1653.7	1650.2	1636.8	1614.3	1601.6	1593.9	1588.2	1598.1
5°	1687.5	1670.6	1656.5	1629.1	1587.5	1564.3	1553.0	1543.9	1551.6
7.5°	1674.1	1650.2	1631.2	1593.2	1540.4	1504.5	1489.0	1478.4	1485.5
10°	1625.6	1596.7	1574.9	1529.8	1472.1	1429.1	1410.1	1400.3	1407.3
12.5°	1562.2	1538.3	1505.2	1455.9	1393.9	1348.9	1334.8	1327.1	1329.9
15°	1495.3	1467.2	1430.5	1381.3	1319.3	1274.3	1265.8	1260.9	1262.3
17.5°	1398.2	1370.7	1339.0	1291.1	1234.1	1197.5	1197.5	1194.0	1196.1
20°	1277.1	1262.3	1231.3	1191.2	1142.6	1109.5	1120.1	1116.6	1120.8
22.5°	1146.1	1134.9	1108.1	1075.0	1034.2	1008.1	1031.4	1030.7	1036.3
25°	996.2	987.7	969.4	941.3	905.4	889.2	927.9	927.9	942.7
27.5°	830.7	822.3	809.6	785.7	756.1	751.2	808.2	815.2	831.4
30°	661.8	656.1	649.1	627.3	602.6	611.8	690.6	702.6	720.9
32.5°	511.1	507.6	505.5	485.8	463.9	494.2	584.3	599.8	618.1
35°	385.8	378.1	383.7	368.9	349.2	387.2	486.5	499.8	514.6
37.5°	284.4	278.8	283.7	273.2	255.6	297.1	390.7	399.2	409.0
40°	204.2	199.2	203.5	197.1	183.0	221.8	306.2	315.4	319.6
42.5°	145.0	136.6	140.8	135.9	128.8	166.8	240.8	249.2	250.6
45°	91.5	88.7	91.5	88.7	87.3	123.9	190.1	197.8	201.3
47.5°	55.6	52.1	52.1	50.7	52.1	91.5	157.0	168.3	173.9
50°	31.7	30.3	29.6	28.9	31.7	71.8	135.9	148.5	155.6
52.5°	21.1	20.4	20.4	19.7	23.2	60.5	122.5	133.8	140.8
55°	15.5	14.8	14.8	14.8	18.3	52.1	112.6	121.8	128.1
57.5°	12.0	12.0	12.0	11.3	15.5	44.4	100.7	105.6	110.5
60°	9.9	9.2	9.2	9.2	12.7	38.0	86.6	88.7	91.5
62.5°	7.7	7.7	7.7	7.7	10.6	33.8	74.6	74.6	76.0
65°	7.0	6.3	6.3	6.3	9.2	29.6	62.7	62.0	63.4
67.5°	5.6	5.6	5.6	5.6	7.7	25.3	51.4	50.7	52.1
70°	4.9	4.9	4.9	4.9	6.3	21.1	41.5	40.8	42.2
72.5°	4.2	4.2	4.2	4.2	5.6	17.6	33.1	33.1	33.8
75°	3.5	3.5	3.5	3.5	4.9	13.4	26.8	26.8	27.5
77.5°	2.8	2.8	2.8	2.8	3.5	10.6	20.4	19.7	19.7
80°	1.4	2.1	2.1	2.1	2.8	7.7	14.8	13.4	13.4
82.5°	0.7	1.4	1.4	1.4	2.8	5.6	9.9	9.2	9.2
85°	0.7	0.7	0.7	2.1	2.8	4.2	6.3	6.3	6.3
87.5°	0.0	0.7	1.4	2.8	3.5	3.5	4.2	3.5	3.5
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)