

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: P799361

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799361
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 EU6159027 6LBMDSWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

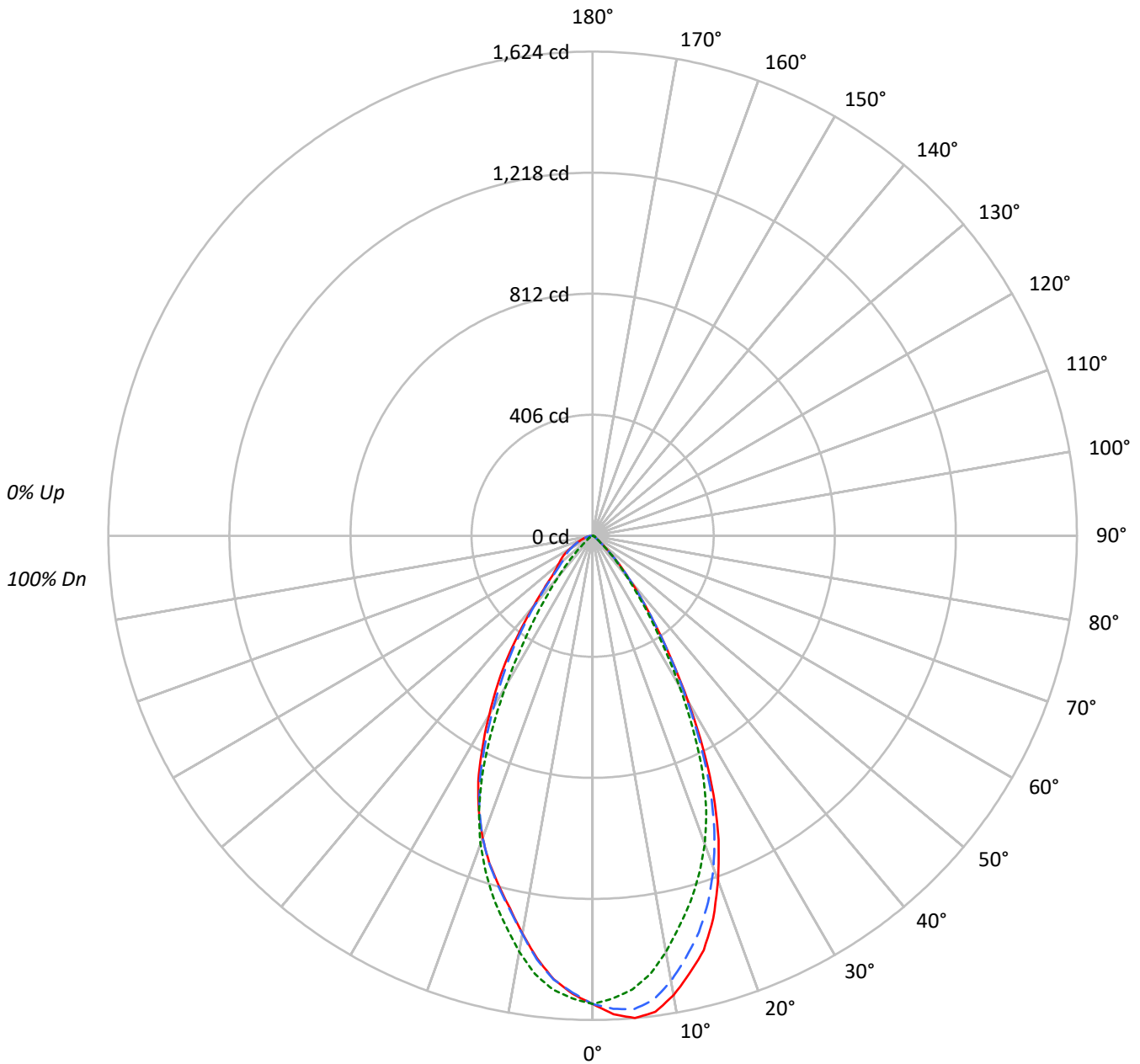
Lumens per Lamp: N/A
Luminaire Lumens: 1352.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	86084	86084	86084
5°	89357	84069	82165
10°	87073	78851	75383
15°	81663	72049	68939
20°	71692	64143	62918
25°	57983	52697	54868
30°	40310	36708	43912
35°	24842	22486	33140
40°	14062	12602	22013
45°	6830	6512	15025
50°	2601	2601	12767
55°	1424	1682	11785
60°	1042	1338	9659
65°	882	1141	7913
70°	753	978	6508
75°	720	996	5592
80°	442	852	4072
85°	440	1698	3837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.8	10.6
10°-20°	361.3	26.7
20°-30°	406.7	30.1
30°-40°	251.9	18.6
40°-50°	100.3	7.4
50°-60°	45.7	3.4
60°-70°	26.3	1.9
70°-80°	12.5	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°	911.8	67.4
0°-40°	1163.7	86.1
0°-60°	1309.7	96.9
0°-90°	1352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1352.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1570	1570	1570	1570	1570	
5°	1624	1594	1528	1494	1493	153
15°	1439	1377	1270	1218	1215	398
25°	959	933	871	893	907	431
35°	371	369	336	468	495	239
45°	88	88	84	183	194	75
55°	15	14	18	108	123	15
65°	7	6	9	60	61	7
75°	3	3	5	26	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°	1570.3	1570.3	1570.3	1570.3	1570.3	1570.3	1570.3	1570.3	1570.3
2.5°	1606.2	1591.3	1587.9	1575.1	1553.4	1541.2	1533.7	1528.3	1537.8
5°	1623.8	1607.6	1594.0	1567.6	1527.7	1505.3	1494.5	1485.6	1493.1
7.5°	1611.0	1587.9	1569.7	1533.1	1482.3	1447.7	1432.8	1422.6	1429.4
10°	1564.2	1536.5	1515.5	1472.1	1416.5	1375.2	1356.9	1347.4	1354.2
12.5°	1503.3	1480.2	1448.4	1401.0	1341.4	1298.0	1284.4	1277.0	1279.7
15°	1438.9	1411.8	1376.6	1329.2	1269.5	1226.2	1218.1	1213.3	1214.7
17.5°	1345.4	1319.0	1288.5	1242.4	1187.6	1152.3	1152.3	1149.0	1151.0
20°	1228.9	1214.7	1184.9	1146.2	1099.5	1067.7	1077.8	1074.4	1078.5
22.5°	1102.9	1092.1	1066.3	1034.5	995.2	970.1	992.5	991.8	997.2
25°	958.6	950.5	932.8	905.8	871.2	855.6	892.9	892.9	907.1
27.5°	799.4	791.3	779.1	756.0	727.6	722.8	777.7	784.5	800.1
30°	636.8	631.4	624.6	603.6	579.9	588.7	664.6	676.1	693.7
32.5°	491.8	488.4	486.4	467.4	446.4	475.6	562.3	577.2	594.8
35°	371.2	363.8	369.2	355.0	336.0	372.6	468.1	481.0	495.2
37.5°	273.7	268.3	273.0	262.9	245.9	285.9	376.0	384.1	393.6
40°	196.5	191.7	195.8	189.7	176.1	213.4	294.7	303.5	307.6
42.5°	139.6	131.4	135.5	130.7	124.0	160.6	231.7	239.8	241.2
45°	88.1	85.4	88.1	85.4	84.0	119.2	182.9	190.4	193.8
47.5°	53.5	50.1	50.1	48.8	50.1	88.1	151.1	161.9	167.3
50°	30.5	29.1	28.5	27.8	30.5	69.1	130.7	142.9	149.7
52.5°	20.3	19.6	19.6	19.0	22.4	58.3	117.9	128.7	135.5
55°	14.9	14.2	14.2	14.2	17.6	50.1	108.4	117.2	123.3
57.5°	11.5	11.5	11.5	10.8	14.9	42.7	96.9	101.6	106.4
60°	9.5	8.8	8.8	8.8	12.2	36.6	83.3	85.4	88.1
62.5°	7.5	7.5	7.5	7.5	10.2	32.5	71.8	71.8	73.2
65°	6.8	6.1	6.1	6.1	8.8	28.5	60.3	59.6	61.0
67.5°	5.4	5.4	5.4	5.4	7.5	24.4	49.5	48.8	50.1
70°	4.7	4.7	4.7	4.7	6.1	20.3	40.0	39.3	40.6
72.5°	4.1	4.1	4.1	4.1	5.4	16.9	31.8	31.8	32.5
75°	3.4	3.4	3.4	3.4	4.7	12.9	25.7	25.7	26.4
77.5°	2.7	2.7	2.7	2.7	3.4	10.2	19.6	19.0	19.0
80°	1.4	2.0	2.0	2.0	2.7	7.5	14.2	12.9	12.9
82.5°	0.7	1.4	1.4	1.4	2.7	5.4	9.5	8.8	8.8
85°	0.7	0.7	0.7	2.0	2.7	4.1	6.1	6.1	6.1
87.5°	0.0	0.7	1.4	2.7	3.4	3.4	4.1	3.4	3.4
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)