

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: P799362

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799362
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 6LBMDSWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

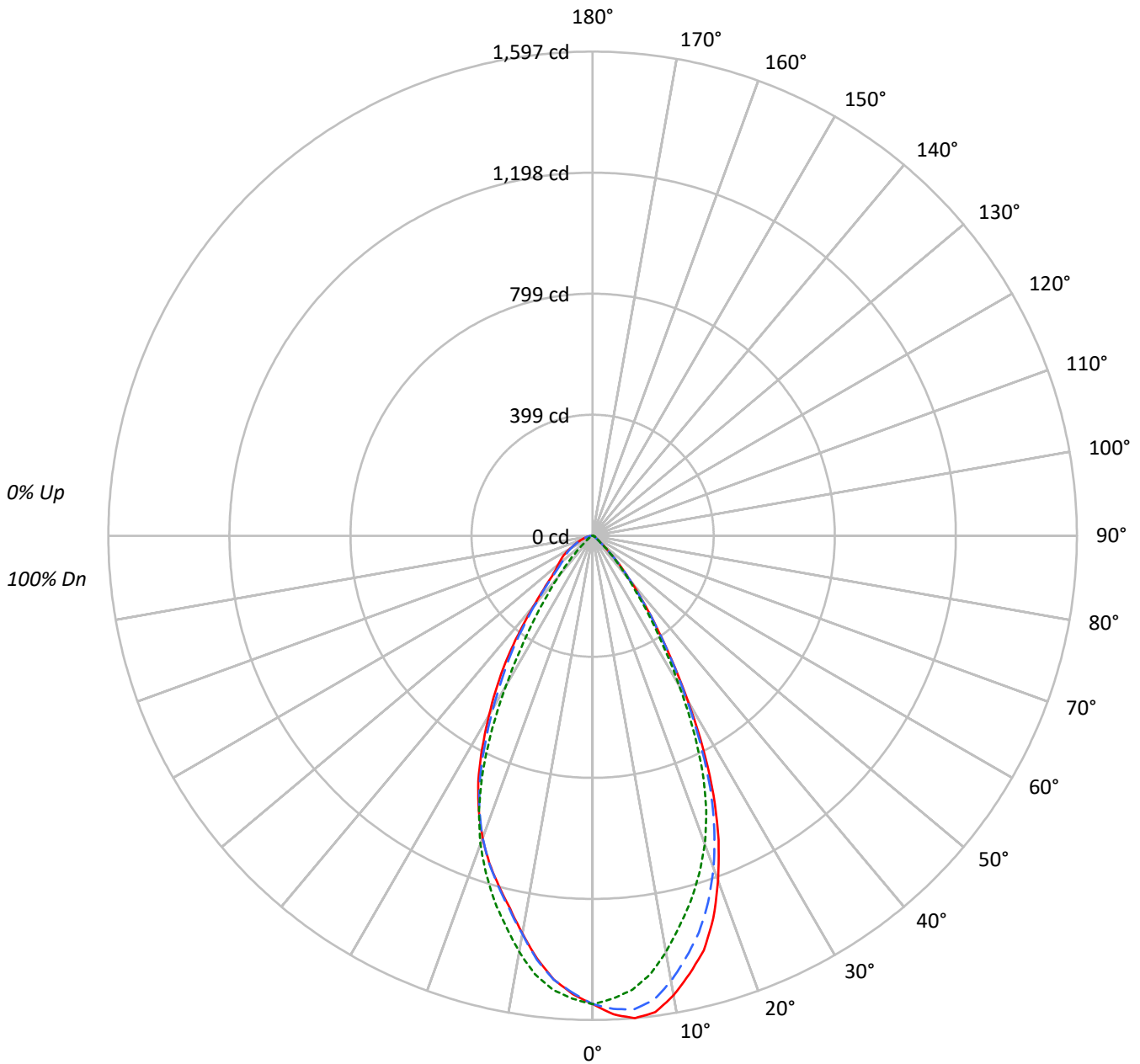
Lumens per Lamp: N/A
Luminaire Lumens: 1330.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	84686	84686	84686
5°	87904	82698	80827
10°	85659	77570	74158
15°	80335	70880	67815
20°	70525	63099	61897
25°	57040	51838	53973
30°	39652	36113	43197
35°	24440	22118	32605
40°	13833	12402	21655
45°	6714	6404	14777
50°	2559	2559	12562
55°	1405	1653	11593
60°	1020	1316	9495
65°	869	1129	7783
70°	753	962	6411
75°	699	996	5507
80°	410	852	4009
85°	440	1698	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	10.6
10°-20°	355.4	26.7
20°-30°	400.1	30.1
30°-40°	247.8	18.6
40°-50°	98.7	7.4
50°-60°	44.9	3.4
60°-70°	25.8	1.9
70°-80°	12.3	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°	897.0	67.4
0°-40°	1144.8	86.1
0°-60°	1288.3	96.9
0°-90°	1330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1330.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1545	1545	1545	1545	1545	
5°	1597	1568	1503	1470	1469	150
15°	1416	1354	1249	1198	1195	392
25°	943	918	857	878	892	424
35°	365	363	330	460	487	235
45°	87	87	83	180	191	73
55°	15	14	17	107	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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CATALOG NUMBER: LD6C15D010 EU6159027 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1544.8	1544.8	1544.8	1544.8	1544.8	1544.8	1544.8	1544.8	1544.8
2.5°	1580.1	1565.4	1562.1	1549.4	1528.1	1516.1	1508.8	1503.5	1512.8
5°	1597.4	1581.4	1568.1	1542.1	1502.8	1480.8	1470.1	1461.5	1468.8
7.5°	1584.8	1562.1	1544.1	1508.1	1458.1	1424.2	1409.5	1399.5	1406.2
10°	1538.8	1511.5	1490.8	1448.1	1393.5	1352.8	1334.9	1325.5	1332.2
12.5°	1478.8	1456.1	1424.8	1378.2	1319.5	1276.9	1263.5	1256.2	1258.9
15°	1415.5	1388.8	1354.2	1307.5	1248.9	1206.2	1198.2	1193.6	1194.9
17.5°	1323.5	1297.5	1267.5	1222.2	1168.2	1133.6	1133.6	1130.3	1132.3
20°	1208.9	1194.9	1165.6	1127.6	1081.6	1050.3	1060.3	1057.0	1061.0
22.5°	1084.9	1074.3	1049.0	1017.6	979.0	954.3	976.3	975.6	981.0
25°	943.0	935.0	917.7	891.0	857.0	841.7	878.4	878.4	892.3
27.5°	786.4	778.4	766.4	743.7	715.7	711.1	765.1	771.7	787.1
30°	626.4	621.1	614.4	593.8	570.5	579.1	653.8	665.1	682.4
32.5°	483.8	480.5	478.5	459.8	439.2	467.8	553.1	567.8	585.1
35°	365.2	357.9	363.2	349.2	330.5	366.5	460.5	473.2	487.2
37.5°	269.2	263.9	268.6	258.6	241.9	281.2	369.9	377.9	387.2
40°	193.3	188.6	192.6	186.6	173.3	209.9	289.9	298.6	302.6
42.5°	137.3	129.3	133.3	128.6	122.0	157.9	227.9	235.9	237.2
45°	86.6	84.0	86.6	84.0	82.6	117.3	179.9	187.3	190.6
47.5°	52.6	49.3	49.3	48.0	49.3	86.6	148.6	159.3	164.6
50°	30.0	28.7	28.0	27.3	30.0	68.0	128.6	140.6	147.3
52.5°	20.0	19.3	19.3	18.7	22.0	57.3	116.0	126.6	133.3
55°	14.7	14.0	14.0	14.0	17.3	49.3	106.6	115.3	121.3
57.5°	11.3	11.3	11.3	10.7	14.7	42.0	95.3	100.0	104.6
60°	9.3	8.7	8.7	8.7	12.0	36.0	82.0	84.0	86.6
62.5°	7.3	7.3	7.3	7.3	10.0	32.0	70.6	70.6	72.0
65°	6.7	6.0	6.0	6.0	8.7	28.0	59.3	58.6	60.0
67.5°	5.3	5.3	5.3	5.3	7.3	24.0	48.6	48.0	49.3
70°	4.7	4.7	4.7	4.7	6.0	20.0	39.3	38.7	40.0
72.5°	4.0	4.0	4.0	4.0	5.3	16.7	31.3	31.3	32.0
75°	3.3	3.3	3.3	3.3	4.7	12.7	25.3	25.3	26.0
77.5°	2.7	2.7	2.7	2.7	3.3	10.0	19.3	18.7	18.7
80°	1.3	2.0	2.0	2.0	2.7	7.3	14.0	12.7	12.7
82.5°	0.7	1.3	1.3	1.3	2.7	5.3	9.3	8.7	8.7
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)