

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: P800020

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800020
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: LD6C70D010 EU6709027 6LBMDSWLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

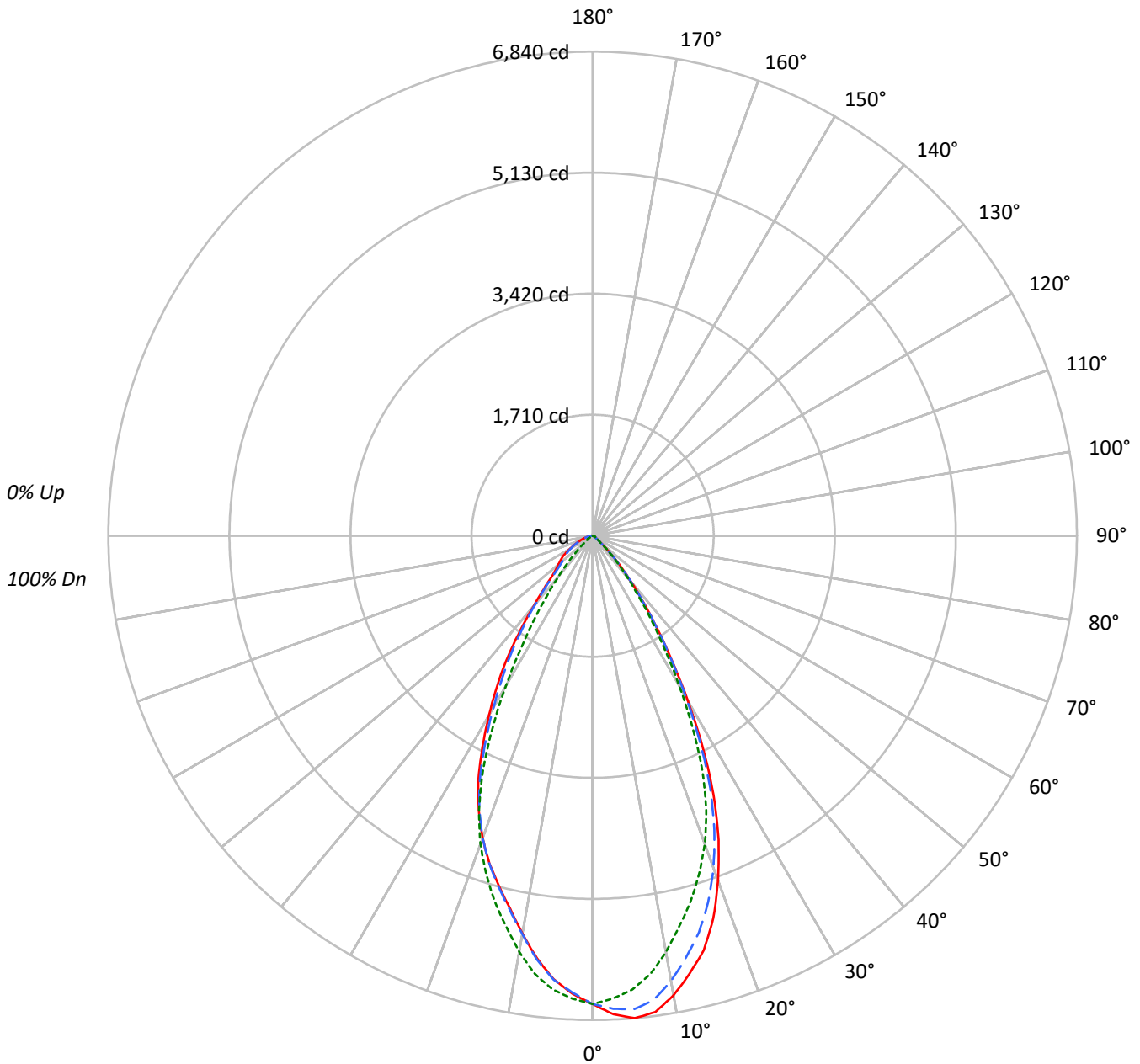
Lumens per Lamp: N/A
Luminaire Lumens: 5695.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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	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°	362619	362619	362619
5°	376408	354110	346103
10°	366782	332153	317540
15°	343992	303503	290382
20°	301989	270188	265026
25°	244242	221970	231122
30°	169798	154625	184971
35°	104654	94723	139602
40°	59218	53092	92709
45°	28763	27429	63270
50°	10951	10951	53781
55°	6002	7092	49642
60°	4386	5636	40677
65°	3697	4812	33311
70°	3206	4119	27441
75°	3029	4236	23574
80°	1799	3599	17111
85°	1824	7170	16165



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.6	10.6
10°-20°	1522.0	26.7
20°-30°	1713.3	30.1
30°-40°	1060.9	18.6
40°-50°	422.5	7.4
50°-60°	192.3	3.4
60°-70°	110.6	1.9
70°-80°	52.5	0.9
80°-90°	15.3	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°	3840.9	67.4
0°-40°	4901.8	86.1
0°-60°	5516.6	96.9
0°-90°	5695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5695.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6615	6615	6615	6615	6615	
5°	6840	6714	6435	6295	6289	644
15°	6061	5798	5348	5131	5116	1677
25°	4038	3929	3670	3761	3821	1815
35°	1564	1555	1415	1972	2086	1005
45°	371	371	354	770	816	314
55°	63	60	74	457	519	62
65°	28	26	37	254	257	28
75°	14	14	20	108	111	15
85°	3	3	11	26	26	2
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°	6614.7	6614.7	6614.7	6614.7	6614.7	6614.7	6614.7	6614.7	6614.7
2.5°	6765.9	6703.1	6688.9	6634.6	6543.3	6492.0	6460.6	6437.7	6477.7
5°	6840.1	6771.6	6714.5	6603.3	6434.9	6340.7	6295.1	6258.0	6289.4
7.5°	6785.9	6688.9	6611.8	6457.7	6243.7	6098.2	6035.4	5992.6	6021.1
10°	6589.0	6472.0	6383.5	6200.9	5966.9	5792.8	5715.8	5675.8	5704.4
12.5°	6332.2	6235.1	6101.0	5901.3	5650.1	5467.5	5410.4	5379.1	5390.5
15°	6061.1	5946.9	5798.5	5598.8	5347.7	5165.0	5130.8	5110.8	5116.5
17.5°	5667.3	5556.0	5427.6	5233.5	5002.4	4854.0	4854.0	4839.7	4848.3
20°	5176.5	5116.5	4991.0	4828.3	4631.4	4497.3	4540.1	4525.8	4542.9
22.5°	4645.7	4600.0	4491.6	4357.5	4192.0	4086.4	4180.5	4177.7	4200.5
25°	4037.9	4003.6	3929.4	3815.3	3669.7	3604.1	3761.1	3761.1	3821.0
27.5°	3367.3	3333.0	3281.7	3184.6	3064.8	3044.8	3275.9	3304.5	3370.1
30°	2682.4	2659.6	2631.0	2542.6	2442.7	2479.8	2799.4	2847.9	2922.1
32.5°	2071.7	2057.5	2048.9	1969.0	1880.5	2003.2	2368.5	2431.3	2505.5
35°	1563.8	1532.4	1555.2	1495.3	1415.4	1569.5	1971.8	2026.1	2086.0
37.5°	1152.9	1130.0	1150.0	1107.2	1035.9	1204.2	1583.8	1618.0	1657.9
40°	827.5	807.6	824.7	799.0	741.9	898.9	1241.3	1278.4	1295.5
42.5°	587.8	553.6	570.7	550.7	522.2	676.3	975.9	1010.2	1015.9
45°	371.0	359.6	371.0	359.6	353.8	502.2	770.5	801.9	816.1
47.5°	225.4	211.2	211.2	205.5	211.2	371.0	636.4	682.0	704.8
50°	128.4	122.7	119.9	117.0	128.4	291.1	550.7	602.1	630.6
52.5°	85.6	82.8	82.8	79.9	94.2	245.4	496.5	542.2	570.7
55°	62.8	59.9	59.9	59.9	74.2	211.2	456.6	493.7	519.4
57.5°	48.5	48.5	48.5	45.7	62.8	179.8	408.1	428.0	448.0
60°	40.0	37.1	37.1	37.1	51.4	154.1	351.0	359.6	371.0
62.5°	31.4	31.4	31.4	31.4	42.8	137.0	302.5	302.5	308.2
65°	28.5	25.7	25.7	25.7	37.1	119.9	254.0	251.1	256.8
67.5°	22.8	22.8	22.8	22.8	31.4	102.7	208.3	205.5	211.2
70°	20.0	20.0	20.0	20.0	25.7	85.6	168.4	165.5	171.2
72.5°	17.1	17.1	17.1	17.1	22.8	71.3	134.1	134.1	137.0
75°	14.3	14.3	14.3	14.3	20.0	54.2	108.4	108.4	111.3
77.5°	11.4	11.4	11.4	11.4	14.3	42.8	82.8	79.9	79.9
80°	5.7	8.6	8.6	8.6	11.4	31.4	59.9	54.2	54.2
82.5°	2.9	5.7	5.7	5.7	11.4	22.8	40.0	37.1	37.1
85°	2.9	2.9	2.9	8.6	11.4	17.1	25.7	25.7	25.7
87.5°	0.0	2.9	5.7	11.4	14.3	14.3	17.1	14.3	14.3
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)