

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: P800046

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800046
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 EU6709035 6LBMDSWWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

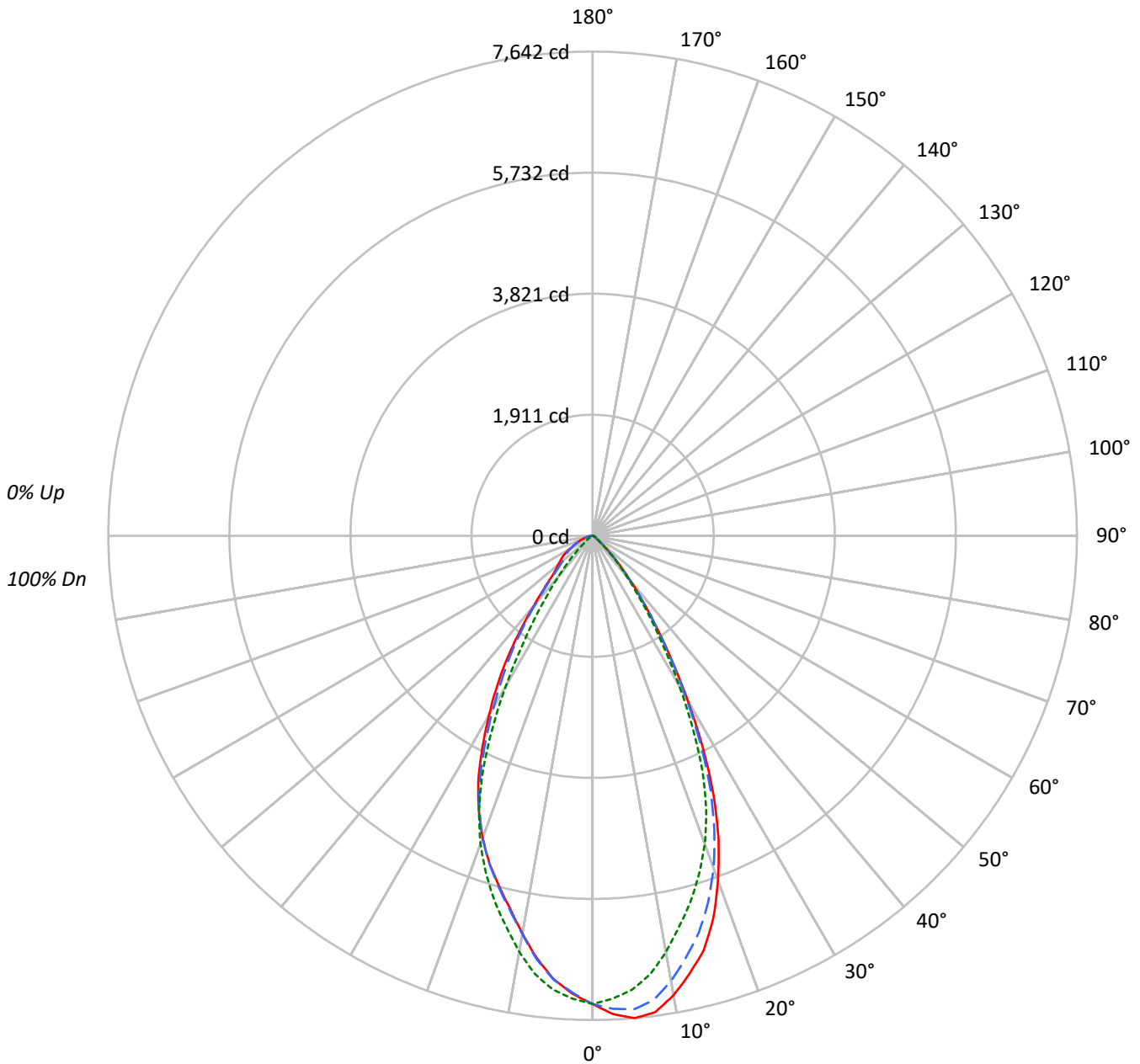
Lumens per Lamp: N/A
Luminaire Lumens: 6363.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P800046

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDSWWH

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°	405148	405148	405148
5°	420558	395646	386698
10°	409801	371113	354786
15°	384338	339100	324446
20°	337406	301884	296114
25°	272889	248010	258233
30°	189713	172761	206665
35°	116928	105832	155978
40°	66167	59325	103587
45°	32135	30654	70697
50°	12238	12238	60092
55°	6700	7923	55463
60°	4890	6293	45446
65°	4138	5370	37215
70°	3574	4600	30662
75°	3368	4723	26328
80°	2020	4041	19131
85°	2013	8051	18052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.6	10.6
10°-20°	1700.5	26.7
20°-30°	1914.3	30.1
30°-40°	1185.4	18.6
40°-50°	472.0	7.4
50°-60°	214.9	3.4
60°-70°	123.5	1.9
70°-80°	58.7	0.9
80°-90°	17.1	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°	4291.4	67.4
0°-40°	5476.7	86.1
0°-60°	6163.7	96.9
0°-90°	6363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6363.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7390	7390	7390	7390	7390	
5°	7642	7502	7190	7034	7027	720
15°	6772	6479	5975	5733	5717	1874
25°	4512	4390	4100	4202	4269	2028
35°	1747	1738	1581	2203	2331	1123
45°	414	414	395	861	912	351
55°	70	67	83	510	580	70
65°	32	29	41	284	287	31
75°	16	16	22	121	124	16
85°	3	3	13	29	29	3
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°	7390.5	7390.5	7390.5	7390.5	7390.5	7390.5	7390.5	7390.5	7390.5
2.5°	7559.5	7489.4	7473.4	7412.9	7310.8	7253.4	7218.4	7192.9	7237.5
5°	7642.4	7565.9	7502.1	7377.8	7189.7	7084.5	7033.5	6992.0	7027.1
7.5°	7581.8	7473.4	7387.4	7215.2	6976.1	6813.5	6743.3	6695.5	6727.4
10°	7361.8	7231.1	7132.3	6928.2	6666.8	6472.3	6386.2	6341.6	6373.5
12.5°	7074.9	6966.5	6816.6	6593.5	6312.9	6108.8	6045.1	6010.0	6022.8
15°	6772.0	6644.5	6478.7	6255.5	5974.9	5770.9	5732.6	5710.3	5716.7
17.5°	6332.0	6207.7	6064.2	5847.4	5589.1	5423.3	5423.3	5407.4	5417.0
20°	5783.6	5716.7	5576.4	5394.7	5174.7	5024.8	5072.6	5056.7	5075.8
22.5°	5190.6	5139.6	5018.4	4868.6	4683.7	4565.7	4670.9	4667.7	4693.2
25°	4511.5	4473.2	4390.3	4262.8	4100.2	4026.9	4202.2	4202.2	4269.2
27.5°	3762.2	3724.0	3666.6	3558.2	3424.3	3401.9	3660.2	3692.1	3765.4
30°	2997.0	2971.5	2939.6	2840.8	2729.2	2770.7	3127.7	3182.0	3264.8
32.5°	2314.7	2298.8	2289.2	2199.9	2101.1	2238.2	2646.3	2716.5	2799.4
35°	1747.2	1712.1	1737.6	1670.7	1581.4	1753.6	2203.1	2263.7	2330.7
37.5°	1288.1	1262.6	1284.9	1237.1	1157.4	1345.5	1769.5	1807.8	1852.4
40°	924.6	902.3	921.4	892.7	829.0	1004.3	1386.9	1428.4	1447.5
42.5°	656.8	618.5	637.7	615.3	583.5	755.6	1090.4	1128.7	1135.0
45°	414.5	401.7	414.5	401.7	395.4	561.1	860.8	895.9	911.9
47.5°	251.9	235.9	235.9	229.6	235.9	414.5	711.0	762.0	787.5
50°	143.5	137.1	133.9	130.7	143.5	325.2	615.3	672.7	704.6
52.5°	95.6	92.5	92.5	89.3	105.2	274.2	554.8	605.8	637.7
55°	70.1	67.0	67.0	67.0	82.9	235.9	510.1	551.6	580.3
57.5°	54.2	54.2	54.2	51.0	70.1	200.9	455.9	478.2	500.6
60°	44.6	41.4	41.4	41.4	57.4	172.2	392.2	401.7	414.5
62.5°	35.1	35.1	35.1	35.1	47.8	153.0	338.0	338.0	344.3
65°	31.9	28.7	28.7	28.7	41.4	133.9	283.8	280.6	286.9
67.5°	25.5	25.5	25.5	25.5	35.1	114.8	232.7	229.6	235.9
70°	22.3	22.3	22.3	22.3	28.7	95.6	188.1	184.9	191.3
72.5°	19.1	19.1	19.1	19.1	25.5	79.7	149.9	149.9	153.0
75°	15.9	15.9	15.9	15.9	22.3	60.6	121.2	121.2	124.3
77.5°	12.8	12.8	12.8	12.8	15.9	47.8	92.5	89.3	89.3
80°	6.4	9.6	9.6	9.6	12.8	35.1	67.0	60.6	60.6
82.5°	3.2	6.4	6.4	6.4	12.8	25.5	44.6	41.4	41.4
85°	3.2	3.2	3.2	9.6	12.8	19.1	28.7	28.7	28.7
87.5°	0.0	3.2	6.4	12.8	15.9	15.9	19.1	15.9	15.9
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)