

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: P800023

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDSWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800023
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 6LBMDSWWMH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

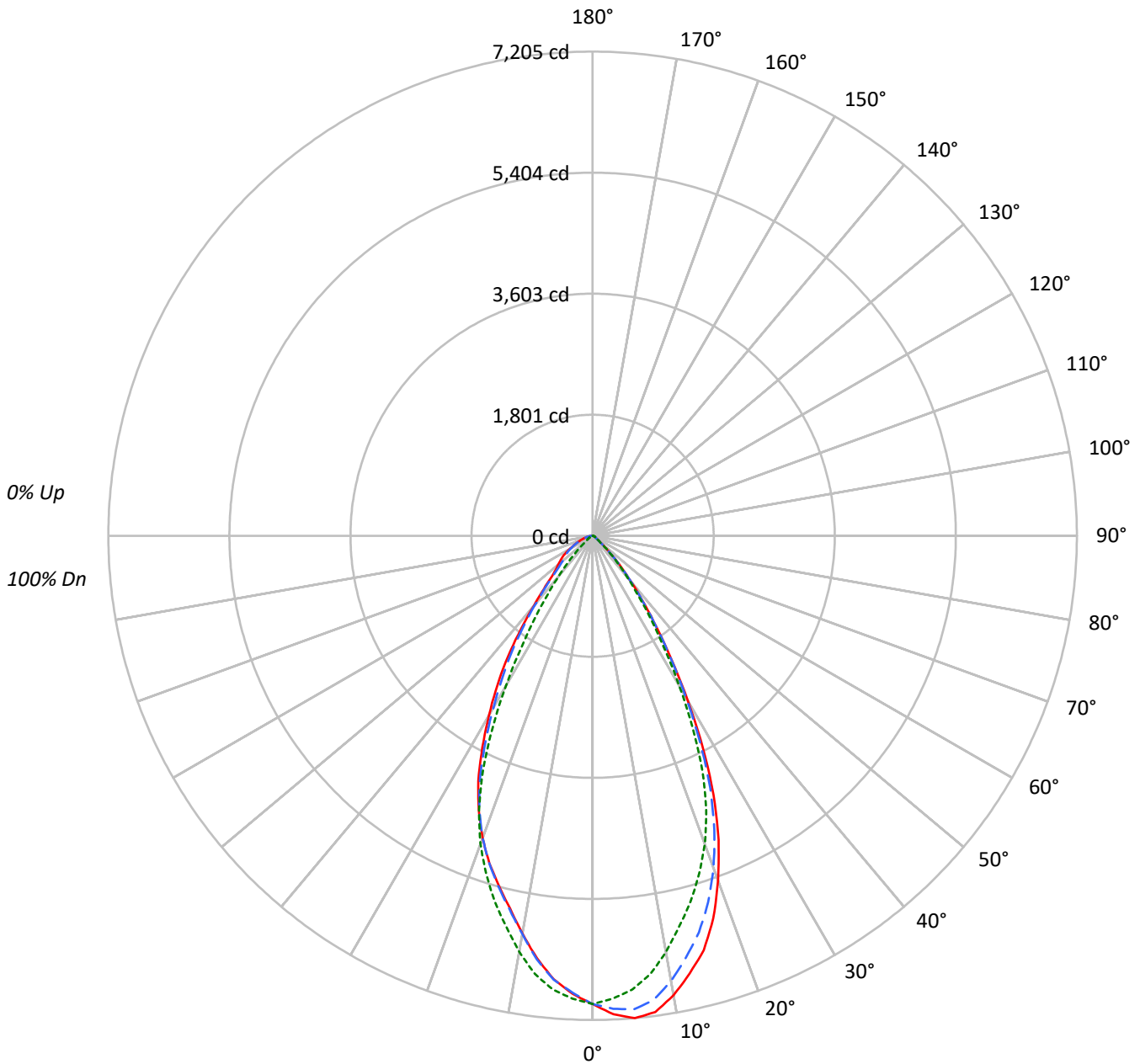
Lumens per Lamp: N/A
Luminaire Lumens: 5999.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P800023

CATALOG NUMBER: LD6C70D010 EU6709027 6LBMDSWWMH

Luminous Intensity Polar Plot





TEST NUMBER: P800023

CATALOG NUMBER: LD6C70D010 EU6709027 6LBMDSWWMH

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°	381976	381976	381976
5°	396499	373012	364576
10°	386360	349882	334491
15°	362352	319701	305881
20°	318108	284610	279178
25°	257277	233820	243456
30°	178863	162879	194846
35°	110242	99776	147050
40°	62381	55926	97662
45°	30298	28894	66650
50°	11539	11539	56655
55°	6318	7474	52290
60°	4616	5932	42847
65°	3904	5072	35088
70°	3366	4344	28915
75°	3177	4448	24824
80°	1894	3788	18026
85°	1887	7548	17046



TEST NUMBER: P800023

CATALOG NUMBER: LD6C70D010 EU6709027 6LBMDSWWMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.9	10.6
10°-20°	1603.2	26.7
20°-30°	1804.8	30.1
30°-40°	1117.6	18.6
40°-50°	445.0	7.4
50°-60°	202.6	3.4
60°-70°	116.5	1.9
70°-80°	55.3	0.9
80°-90°	16.1	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°	4045.9	67.4
0°-40°	5163.4	86.1
0°-60°	5811.1	96.9
0°-90°	5999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5999.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6968	6968	6968	6968	6968	
5°	7205	7073	6778	6631	6625	679
15°	6385	6108	5633	5405	5390	1766
25°	4253	4139	3866	3962	4025	1912
35°	1647	1638	1491	2077	2197	1059
45°	391	391	373	812	860	331
55°	66	63	78	481	547	66
65°	30	27	39	268	270	29
75°	15	15	21	114	117	15
85°	3	3	12	27	27	2
90°	0	0	0	0	0	



TEST NUMBER: P800023

CATALOG NUMBER: LD6C70D010 EU6709027 6LBMDSWWMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6967.8	6967.8	6967.8	6967.8	6967.8	6967.8	6967.8	6967.8	6967.8
2.5°	7127.1	7060.9	7045.9	6988.8	6892.6	6838.5	6805.4	6781.4	6823.5
5°	7205.2	7133.1	7073.0	6955.7	6778.4	6679.2	6631.1	6592.0	6625.1
7.5°	7148.1	7045.9	6964.8	6802.4	6577.0	6423.7	6357.6	6312.5	6342.5
10°	6940.7	6817.5	6724.3	6531.9	6285.4	6102.1	6020.9	5978.8	6008.9
12.5°	6670.2	6568.0	6426.7	6216.3	5951.8	5759.4	5699.3	5666.2	5678.2
15°	6384.6	6264.4	6108.1	5897.6	5633.1	5440.7	5404.7	5383.6	5389.6
17.5°	5969.8	5852.6	5717.3	5512.9	5269.4	5113.1	5113.1	5098.1	5107.1
20°	5452.8	5389.6	5257.4	5086.0	4878.6	4737.4	4782.4	4767.4	4785.5
22.5°	4893.7	4845.6	4731.3	4590.1	4415.7	4304.5	4403.7	4400.7	4424.7
25°	4253.4	4217.3	4139.2	4018.9	3865.6	3796.5	3961.8	3961.8	4024.9
27.5°	3547.0	3510.9	3456.8	3354.6	3228.4	3207.3	3450.8	3480.9	3550.0
30°	2825.6	2801.5	2771.5	2678.3	2573.1	2612.2	2948.8	2999.9	3078.1
32.5°	2182.3	2167.3	2158.3	2074.1	1980.9	2110.2	2494.9	2561.1	2639.2
35°	1647.3	1614.2	1638.2	1575.1	1490.9	1653.3	2077.1	2134.2	2197.3
37.5°	1214.4	1190.4	1211.4	1166.3	1091.2	1268.5	1668.3	1704.4	1746.4
40°	871.7	850.7	868.7	841.7	781.5	946.9	1307.6	1346.7	1364.7
42.5°	619.2	583.2	601.2	580.1	550.1	712.4	1028.0	1064.1	1070.1
45°	390.8	378.7	390.8	378.7	372.7	529.0	811.6	844.7	859.7
47.5°	237.5	222.4	222.4	216.4	222.4	390.8	670.3	718.4	742.5
50°	135.3	129.3	126.2	123.2	135.3	306.6	580.1	634.3	664.3
52.5°	90.2	87.2	87.2	84.2	99.2	258.5	523.0	571.1	601.2
55°	66.1	63.1	63.1	63.1	78.2	222.4	480.9	520.0	547.1
57.5°	51.1	51.1	51.1	48.1	66.1	189.4	429.8	450.9	471.9
60°	42.1	39.1	39.1	39.1	54.1	162.3	369.7	378.7	390.8
62.5°	33.1	33.1	33.1	33.1	45.1	144.3	318.6	318.6	324.6
65°	30.1	27.1	27.1	27.1	39.1	126.2	267.5	264.5	270.5
67.5°	24.0	24.0	24.0	24.0	33.1	108.2	219.4	216.4	222.4
70°	21.0	21.0	21.0	21.0	27.1	90.2	177.4	174.3	180.4
72.5°	18.0	18.0	18.0	18.0	24.0	75.1	141.3	141.3	144.3
75°	15.0	15.0	15.0	15.0	21.0	57.1	114.2	114.2	117.2
77.5°	12.0	12.0	12.0	12.0	15.0	45.1	87.2	84.2	84.2
80°	6.0	9.0	9.0	9.0	12.0	33.1	63.1	57.1	57.1
82.5°	3.0	6.0	6.0	6.0	12.0	24.0	42.1	39.1	39.1
85°	3.0	3.0	3.0	9.0	12.0	18.0	27.1	27.1	27.1
87.5°	0.0	3.0	6.0	12.0	15.0	15.0	18.0	15.0	15.0
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)