

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: P800045

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800045
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 6LBMDSWMW
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

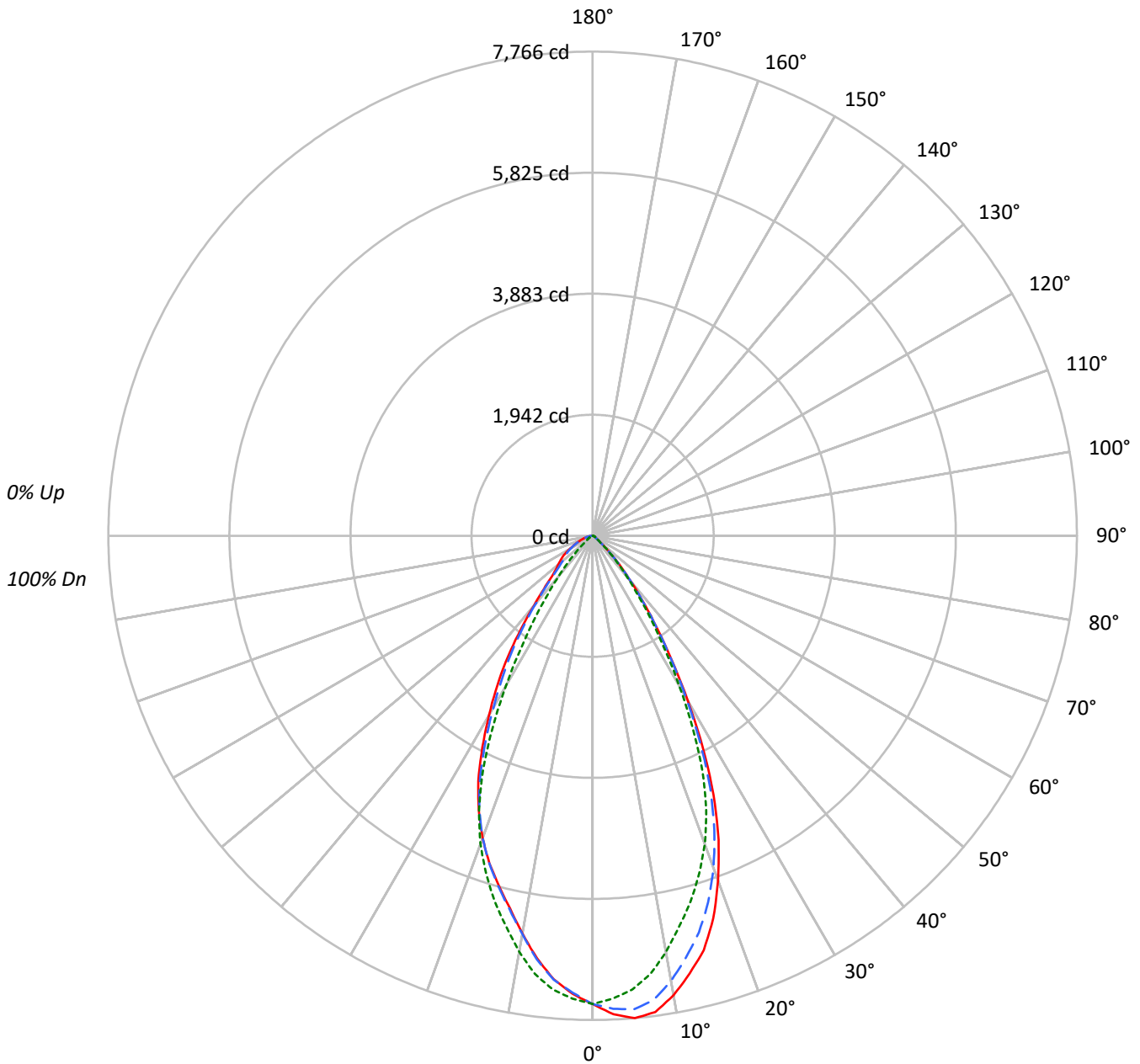
Lumens per Lamp: N/A
Luminaire Lumens: 6466.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P800045

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDSWMW

Luminous Intensity Polar Plot





TEST NUMBER: P800045

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDSWMW

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°	411710	411710	411710
5°	427365	402052	392955
10°	416436	377119	360526
15°	390558	344588	329695
20°	342866	306767	300909
25°	277304	252027	262412
30°	192783	175559	210013
35°	118822	107545	158501
40°	67240	60284	105261
45°	32655	31151	71837
50°	12435	12435	61064
55°	6815	8048	56361
60°	4978	6392	46181
65°	4203	5461	37825
70°	3638	4680	31159
75°	3431	4808	26773
80°	2052	4104	19447
85°	2013	8177	18367



TEST NUMBER: P800045

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDSWMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.5	10.6
10°-20°	1728.0	26.7
20°-30°	1945.3	30.1
30°-40°	1204.5	18.6
40°-50°	479.7	7.4
50°-60°	218.4	3.4
60°-70°	125.5	1.9
70°-80°	59.6	0.9
80°-90°	17.4	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°	4360.8	67.4
0°-40°	5565.4	86.1
0°-60°	6263.5	96.9
0°-90°	6466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6466.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7510	7510	7510	7510	7510	
5°	7766	7624	7306	7147	7141	731
15°	6882	6584	6072	5825	5809	1904
25°	4584	4461	4167	4270	4338	2061
35°	1776	1766	1607	2239	2368	1141
45°	421	421	402	875	927	357
55°	71	68	84	518	590	71
65°	32	29	42	288	292	32
75°	16	16	23	123	126	17
85°	3	3	13	29	29	3
90°	0	0	0	0	0	



TEST NUMBER: P800045

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDSWMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	7510.2	7510.2	7510.2	7510.2	7510.2	7510.2	7510.2	7510.2	7510.2
2.5°	7681.9	7610.6	7594.4	7532.9	7429.2	7370.9	7335.2	7309.3	7354.7
5°	7766.1	7688.4	7623.6	7497.2	7306.1	7199.1	7147.3	7105.2	7140.8
7.5°	7704.6	7594.4	7506.9	7332.0	7089.0	6923.7	6852.5	6803.9	6836.3
10°	7481.0	7348.2	7247.7	7040.4	6774.7	6577.1	6489.6	6444.2	6476.6
12.5°	7189.4	7079.3	6927.0	6700.2	6415.1	6207.7	6142.9	6107.3	6120.2
15°	6881.6	6752.0	6583.6	6356.8	6071.6	5864.3	5825.4	5802.7	5809.2
17.5°	6434.5	6308.2	6162.4	5942.0	5679.6	5511.1	5511.1	5494.9	5504.7
20°	5877.2	5809.2	5666.7	5482.0	5258.4	5106.1	5154.7	5138.5	5158.0
22.5°	5274.6	5222.8	5099.7	4947.4	4759.5	4639.6	4746.5	4743.3	4769.2
25°	4584.5	4545.6	4461.4	4331.8	4166.6	4092.0	4270.2	4270.2	4338.3
27.5°	3823.1	3784.2	3725.9	3615.8	3479.7	3457.0	3719.4	3751.8	3826.4
30°	3045.5	3019.6	2987.2	2886.8	2773.4	2815.5	3178.4	3233.5	3317.7
32.5°	2352.2	2336.0	2326.3	2235.6	2135.1	2274.4	2689.1	2760.4	2844.7
35°	1775.5	1739.8	1765.8	1697.7	1607.0	1782.0	2238.8	2300.4	2368.4
37.5°	1308.9	1283.0	1305.7	1257.1	1176.1	1367.3	1798.2	1837.0	1882.4
40°	939.6	916.9	936.3	907.2	842.4	1020.6	1409.4	1451.5	1470.9
42.5°	667.4	628.5	648.0	625.3	592.9	767.9	1108.1	1146.9	1153.4
45°	421.2	408.2	421.2	408.2	401.8	570.2	874.8	910.4	926.6
47.5°	256.0	239.8	239.8	233.3	239.8	421.2	722.5	774.3	800.3
50°	145.8	139.3	136.1	132.8	145.8	330.5	625.3	683.6	716.0
52.5°	97.2	94.0	94.0	90.7	106.9	278.6	563.7	615.6	648.0
55°	71.3	68.0	68.0	68.0	84.2	239.8	518.4	560.5	589.7
57.5°	55.1	55.1	55.1	51.8	71.3	204.1	463.3	486.0	508.7
60°	45.4	42.1	42.1	42.1	58.3	175.0	398.5	408.2	421.2
62.5°	35.6	35.6	35.6	35.6	48.6	155.5	343.4	343.4	349.9
65°	32.4	29.2	29.2	29.2	42.1	136.1	288.4	285.1	291.6
67.5°	25.9	25.9	25.9	25.9	35.6	116.6	236.5	233.3	239.8
70°	22.7	22.7	22.7	22.7	29.2	97.2	191.2	187.9	194.4
72.5°	19.4	19.4	19.4	19.4	25.9	81.0	152.3	152.3	155.5
75°	16.2	16.2	16.2	16.2	22.7	61.6	123.1	123.1	126.4
77.5°	13.0	13.0	13.0	13.0	16.2	48.6	94.0	90.7	90.7
80°	6.5	9.7	9.7	9.7	13.0	35.6	68.0	61.6	61.6
82.5°	3.2	6.5	6.5	6.5	13.0	25.9	45.4	42.1	42.1
85°	3.2	3.2	3.2	9.7	13.0	19.4	29.2	29.2	29.2
87.5°	0.0	3.2	6.5	13.0	16.2	16.2	19.4	16.2	16.2
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)