

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: P800036

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C70D010 EU6709035 6LBMDDWGPH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

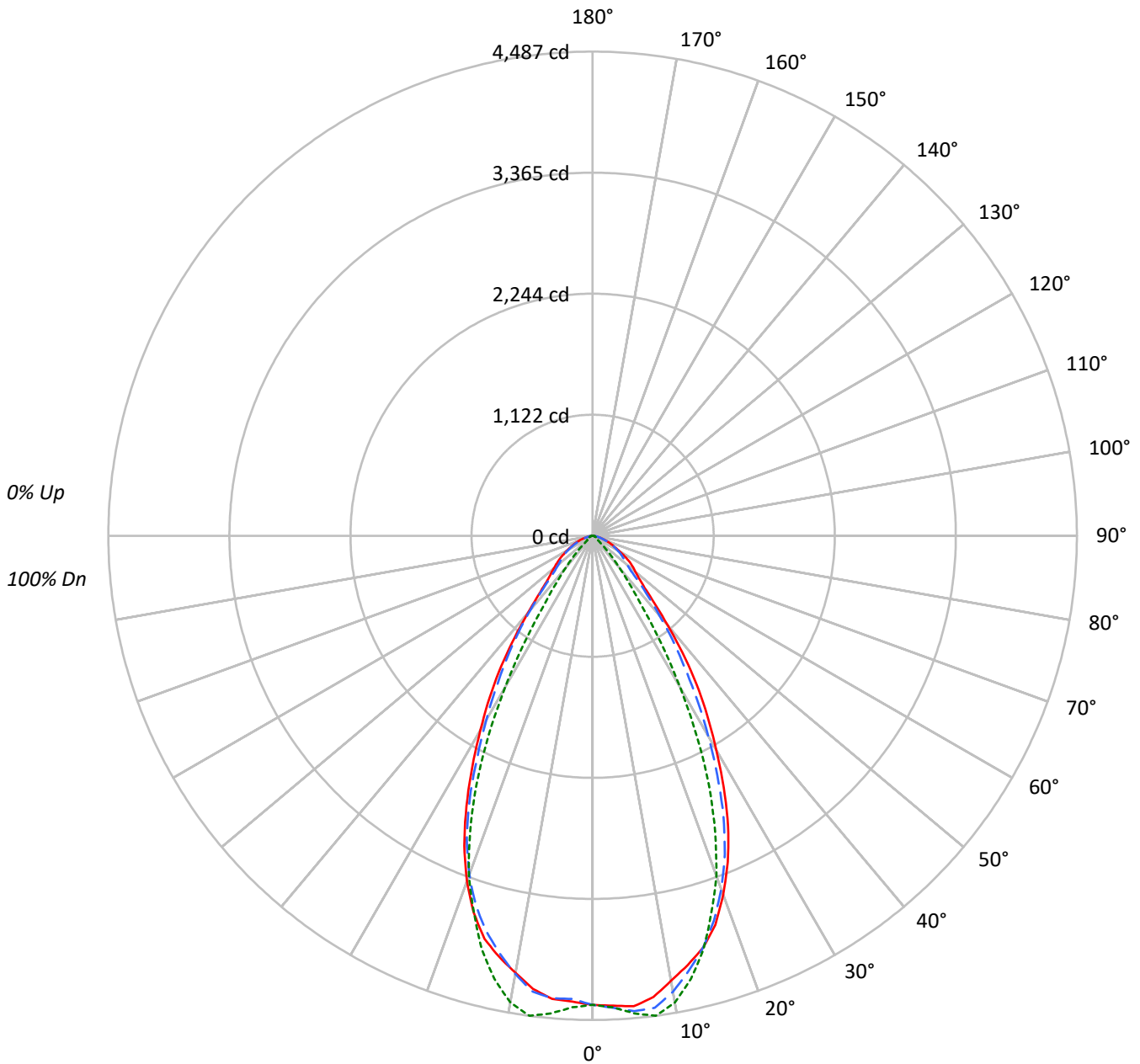
Lumens per Lamp: N/A
Luminaire Lumens: 4426.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P800036

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWGPH

Luminous Intensity Polar Plot





TEST NUMBER: P800036

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWGPH

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	238331	238331	238331
5°	240820	244474	237051
10°	233023	244468	228959
15°	224275	225149	219502
20°	206407	195574	198671
25°	179635	154225	167332
30°	144877	102465	131444
35°	112324	52829	98712
40°	77066	27380	66467
45°	52804	13715	46633
50°	43939	5851	39982
55°	39521	5075	35717
60°	31280	4846	29822
65°	25813	4307	25528
70°	20917	3895	20917
75°	15462	4215	16394
80°	9060	3504	9787
85°	6982	4151	6982



TEST NUMBER: P800036

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.8	9.4
10°-20°	1086.2	24.5
20°-30°	1239.8	28.0
30°-40°	822.2	18.6
40°-50°	396.6	9.0
50°-60°	243.9	5.5
60°-70°	147.6	3.3
70°-80°	62.1	1.4
80°-90°	13.7	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°	2739.8	61.9
0°-40°	3562.1	80.5
0°-60°	4202.6	95.0
0°-90°	4426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4426.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4348	4348	4348	4348	4348	
5°	4376	4423	4443	4301	4308	411
15°	3952	3952	3967	3799	3868	1101
25°	2970	2870	2550	2698	2766	1347
35°	1678	1479	789	1380	1475	1038
45°	681	597	177	557	602	555
55°	414	336	53	336	374	364
65°	199	190	33	179	197	200
75°	73	73	20	69	77	78
85°	11	16	7	11	11	14
90°	0	0	0	0	0	



TEST NUMBER: P800036

CATALOG NUMBER: LD6C70D010 EU6709035 6LBMDDWGPH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5	4347.5
2.5°	4358.6	4365.2	4378.5	4380.7	4374.0	4332.0	4296.6	4309.9	4321.0
5°	4376.2	4389.5	4422.7	4453.6	4442.6	4371.8	4301.1	4298.9	4307.7
7.5°	4312.1	4343.1	4411.6	4489.0	4486.8	4365.2	4261.3	4234.7	4234.7
10°	4186.1	4214.8	4290.0	4393.9	4391.7	4239.1	4124.2	4110.9	4113.1
12.5°	4073.3	4086.6	4124.2	4206.0	4206.0	4055.6	3967.1	3980.4	3998.1
15°	3951.7	3960.5	3951.7	3978.2	3967.1	3843.3	3799.1	3841.1	3867.6
17.5°	3779.2	3783.6	3737.2	3701.8	3659.8	3582.4	3593.4	3655.3	3662.0
20°	3538.1	3566.9	3482.9	3392.2	3352.4	3279.4	3341.3	3409.9	3405.5
22.5°	3272.8	3306.0	3197.6	3047.2	2965.4	2936.7	3047.2	3109.1	3106.9
25°	2969.8	2994.2	2870.3	2660.2	2549.7	2545.3	2697.8	2762.0	2766.4
27.5°	2629.3	2638.1	2498.8	2224.6	2087.5	2120.7	2313.1	2401.5	2412.6
30°	2288.7	2284.3	2140.6	1800.0	1618.7	1709.4	1968.1	2065.4	2076.5
32.5°	1976.9	1963.7	1800.0	1393.1	1176.4	1311.3	1651.9	1753.6	1771.3
35°	1678.4	1656.3	1479.4	1030.5	789.4	990.7	1379.9	1468.3	1475.0
37.5°	1366.6	1355.6	1216.2	771.8	550.6	751.9	1125.6	1189.7	1183.1
40°	1076.9	1076.9	961.9	572.7	382.6	559.5	891.2	948.7	928.8
42.5°	844.7	855.8	758.5	422.4	272.0	415.7	705.4	758.5	736.4
45°	681.1	681.1	597.1	314.0	176.9	309.6	557.3	605.9	601.5
47.5°	577.2	568.3	484.3	230.0	97.3	232.2	468.8	528.5	526.3
50°	515.2	502.0	415.7	181.3	68.6	192.4	411.3	466.6	468.8
52.5°	466.6	446.7	373.7	161.4	59.7	168.1	373.7	417.9	417.9
55°	413.5	402.5	336.1	143.7	53.1	150.4	336.1	375.9	373.7
57.5°	349.4	347.2	300.7	130.5	48.6	132.7	300.7	325.1	316.2
60°	285.3	294.1	260.9	117.2	44.2	119.4	256.5	276.4	272.0
62.5°	238.8	249.9	227.8	103.9	37.6	106.1	216.7	236.6	232.2
65°	199.0	207.9	190.2	88.5	33.2	88.5	179.1	196.8	196.8
67.5°	163.6	170.3	157.0	73.0	28.7	73.0	145.9	161.4	163.6
70°	130.5	134.9	123.8	57.5	24.3	59.7	115.0	130.5	130.5
72.5°	101.7	103.9	97.3	46.4	22.1	46.4	88.5	101.7	101.7
75°	73.0	77.4	73.0	35.4	19.9	35.4	68.6	75.2	77.4
77.5°	42.0	53.1	53.1	28.7	15.5	26.5	48.6	50.9	50.9
80°	28.7	33.2	37.6	19.9	11.1	19.9	31.0	33.2	31.0
82.5°	19.9	22.1	22.1	13.3	8.8	13.3	19.9	22.1	19.9
85°	11.1	15.5	15.5	11.1	6.6	8.8	11.1	13.3	11.1
87.5°	6.6	8.8	11.1	8.8	6.6	6.6	6.6	6.6	4.4
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)