

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: P799900

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799900
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: LD6C60D010 EU6609027 6LBMDSWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

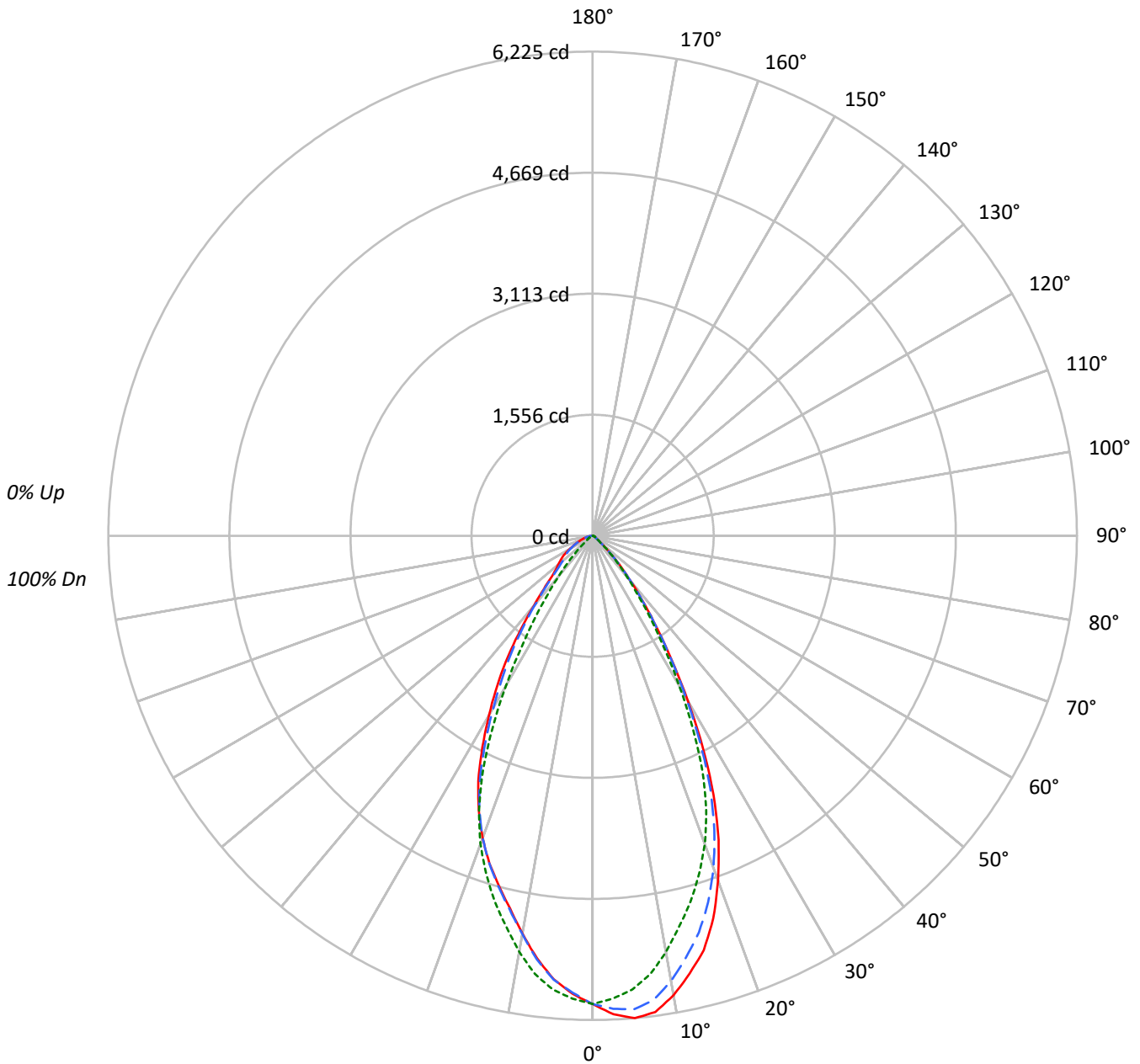
Lumens per Lamp: N/A
Luminaire Lumens: 5183.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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: P799900

CATALOG NUMBER: LD6C60D010 EU6609027 6LBMDSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P799900

CATALOG NUMBER: LD6C60D010 EU6609027 6LBMDSWLI

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°	330017	330017	330017
5°	342570	322275	314984
10°	333806	302293	288989
15°	313066	276216	264275
20°	274838	245896	241200
25°	222279	202016	210345
30°	154530	140724	168342
35°	95245	86204	127053
40°	53894	48319	84380
45°	26173	24964	57587
50°	9970	9970	48954
55°	5457	6451	45179
60°	3991	5120	37015
65°	3373	4384	30315
70°	2917	3751	24972
75°	2754	3855	21456
80°	1642	3283	15564
85°	1635	6542	14718



TEST NUMBER: P799900

CATALOG NUMBER: LD6C60D010 EU6609027 6LBMDSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.1	10.6
10°-20°	1385.1	26.7
20°-30°	1559.3	30.1
30°-40°	965.5	18.6
40°-50°	384.5	7.4
50°-60°	175.0	3.4
60°-70°	100.6	1.9
70°-80°	47.8	0.9
80°-90°	14.0	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°	3495.6	67.4
0°-40°	4461.1	86.1
0°-60°	5020.7	96.9
0°-90°	5183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5183.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6020	6020	6020	6020	6020	
5°	6225	6111	5856	5729	5724	586
15°	5516	5277	4867	4670	4656	1526
25°	3675	3576	3340	3423	3478	1652
35°	1423	1415	1288	1795	1898	915
45°	338	338	322	701	743	286
55°	57	54	68	416	473	57
65°	26	23	34	231	234	25
75°	13	13	18	99	101	13
85°	3	3	10	23	23	2
90°	0	0	0	0	0	



TEST NUMBER: P799900

CATALOG NUMBER: LD6C60D010 EU6609027 6LBMDSWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6020.0	6020.0	6020.0	6020.0	6020.0	6020.0	6020.0	6020.0	6020.0
2.5°	6157.6	6100.5	6087.5	6038.2	5955.1	5908.3	5879.7	5859.0	5895.3
5°	6225.2	6162.8	6110.9	6009.6	5856.4	5770.7	5729.1	5695.4	5723.9
7.5°	6175.8	6087.5	6017.4	5877.2	5682.4	5549.9	5492.8	5453.8	5479.8
10°	5996.6	5890.1	5809.6	5643.4	5430.5	5272.0	5201.9	5165.6	5191.5
12.5°	5762.9	5674.6	5552.5	5370.7	5142.2	4976.0	4924.0	4895.5	4905.8
15°	5516.2	5412.3	5277.2	5095.4	4866.9	4700.7	4669.5	4651.3	4656.5
17.5°	5157.8	5056.5	4939.6	4763.0	4552.6	4417.6	4417.6	4404.6	4412.4
20°	4711.1	4656.5	4542.3	4394.2	4215.0	4093.0	4131.9	4118.9	4134.5
22.5°	4228.0	4186.5	4087.8	3965.7	3815.1	3719.0	3804.7	3802.1	3822.9
25°	3674.8	3643.7	3576.2	3472.3	3339.8	3280.1	3422.9	3422.9	3477.5
27.5°	3064.5	3033.4	2986.6	2898.3	2789.2	2771.1	2981.4	3007.4	3067.1
30°	2441.2	2420.5	2394.5	2314.0	2223.1	2256.8	2547.7	2591.9	2659.4
32.5°	1885.5	1872.5	1864.7	1792.0	1711.5	1823.1	2155.6	2212.7	2280.2
35°	1423.2	1394.6	1415.4	1360.9	1288.1	1428.4	1794.6	1843.9	1898.5
37.5°	1049.2	1028.4	1046.6	1007.7	942.7	1096.0	1441.4	1472.5	1508.9
40°	753.1	735.0	750.6	727.2	675.2	818.1	1129.7	1163.5	1179.1
42.5°	535.0	503.8	519.4	501.2	475.3	615.5	888.2	919.4	924.6
45°	337.6	327.2	337.6	327.2	322.0	457.1	701.2	729.8	742.8
47.5°	205.2	192.2	192.2	187.0	192.2	337.6	579.1	620.7	641.5
50°	116.9	111.7	109.1	106.5	116.9	264.9	501.2	548.0	574.0
52.5°	77.9	75.3	75.3	72.7	85.7	223.3	451.9	493.4	519.4
55°	57.1	54.5	54.5	54.5	67.5	192.2	415.5	449.3	472.7
57.5°	44.2	44.2	44.2	41.6	57.1	163.6	371.4	389.6	407.7
60°	36.4	33.8	33.8	33.8	46.7	140.2	319.4	327.2	337.6
62.5°	28.6	28.6	28.6	28.6	39.0	124.7	275.3	275.3	280.5
65°	26.0	23.4	23.4	23.4	33.8	109.1	231.1	228.5	233.7
67.5°	20.8	20.8	20.8	20.8	28.6	93.5	189.6	187.0	192.2
70°	18.2	18.2	18.2	18.2	23.4	77.9	153.2	150.6	155.8
72.5°	15.6	15.6	15.6	15.6	20.8	64.9	122.1	122.1	124.7
75°	13.0	13.0	13.0	13.0	18.2	49.3	98.7	98.7	101.3
77.5°	10.4	10.4	10.4	10.4	13.0	39.0	75.3	72.7	72.7
80°	5.2	7.8	7.8	7.8	10.4	28.6	54.5	49.3	49.3
82.5°	2.6	5.2	5.2	5.2	10.4	20.8	36.4	33.8	33.8
85°	2.6	2.6	2.6	7.8	10.4	15.6	23.4	23.4	23.4
87.5°	0.0	2.6	5.2	10.4	13.0	13.0	15.6	13.0	13.0
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)