

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: P799922

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799922
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 EU6609035 6LBMDSWGPH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

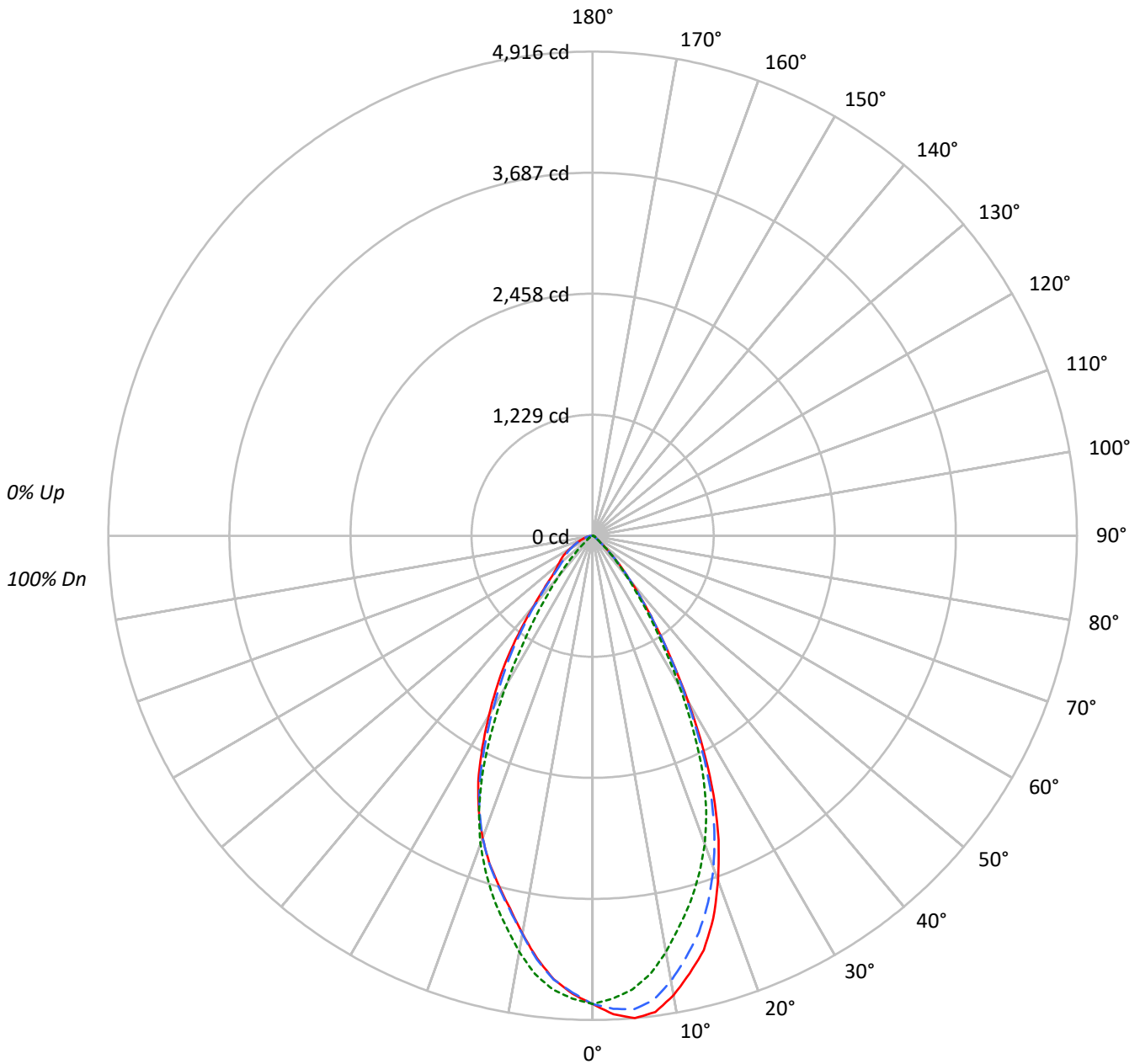
Lumens per Lamp: N/A
Luminaire Lumens: 4093.1 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799922

CATALOG NUMBER: LD6C60D010 EU6609035 6LBMDSWGPB

Luminous Intensity Polar Plot





TEST NUMBER: P799922

CATALOG NUMBER: LD6C60D010 EU6609035 6LBMDSWGPH

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	57	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°	260615	260615	260615
5°	270525	254501	248745
10°	263606	238717	228213
15°	247226	218128	208696
20°	217036	194185	190475
25°	175534	159529	166104
30°	122031	111131	132938
35°	75215	68074	100331
40°	42565	38157	66632
45°	20669	19715	45478
50°	7872	7872	38651
55°	4310	5094	35679
60°	3147	4046	29230
65°	2659	3463	23945
70°	2308	2965	19731
75°	2182	3050	16945
80°	1294	2589	12312
85°	1321	5158	11636



TEST NUMBER: P799922

CATALOG NUMBER: LD6C60D010 EU6609035 6LBMDSWGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.2	10.6
10°-20°	1093.8	26.7
20°-30°	1231.4	30.1
30°-40°	762.5	18.6
40°-50°	303.6	7.4
50°-60°	138.2	3.4
60°-70°	79.5	1.9
70°-80°	37.7	0.9
80°-90°	11.0	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°	2760.4	67.4
0°-40°	3522.9	86.1
0°-60°	3964.8	96.9
0°-90°	4093.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4093.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4754	4754	4754	4754	4754	
5°	4916	4826	4625	4524	4520	463
15°	4356	4167	3843	3688	3677	1205
25°	2902	2824	2637	2703	2746	1304
35°	1124	1118	1017	1417	1499	722
45°	267	267	254	554	587	226
55°	45	43	53	328	373	45
65°	20	18	27	182	185	20
75°	10	10	14	78	80	11
85°	2	2	8	18	18	2
90°	0	0	0	0	0	



TEST NUMBER: P799922

CATALOG NUMBER: LD6C60D010 EU6609035 6LBMDSWGPH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0	4754.0
2.5°	4862.7	4817.5	4807.3	4768.3	4702.7	4665.8	4643.2	4626.8	4655.5
5°	4916.0	4866.8	4825.7	4745.8	4624.8	4557.1	4524.3	4497.6	4520.2
7.5°	4877.0	4807.3	4751.9	4641.2	4487.4	4382.8	4337.6	4306.9	4327.4
10°	4735.5	4651.4	4587.8	4456.6	4288.4	4163.3	4107.9	4079.2	4099.7
12.5°	4550.9	4481.2	4384.8	4241.2	4060.8	3929.5	3888.5	3865.9	3874.1
15°	4356.1	4274.1	4167.4	4023.8	3843.4	3712.1	3687.5	3673.1	3677.2
17.5°	4073.1	3993.1	3900.8	3761.3	3595.2	3488.6	3488.6	3478.3	3484.5
20°	3720.3	3677.2	3587.0	3470.1	3328.6	3232.2	3263.0	3252.7	3265.0
22.5°	3338.9	3306.0	3228.1	3131.7	3012.8	2936.9	3004.6	3002.5	3018.9
25°	2902.0	2877.4	2824.1	2742.0	2637.4	2590.3	2703.1	2703.1	2746.1
27.5°	2420.1	2395.4	2358.5	2288.8	2202.7	2188.3	2354.4	2374.9	2422.1
30°	1927.8	1911.4	1890.9	1827.3	1755.6	1782.2	2011.9	2046.8	2100.1
32.5°	1488.9	1478.7	1472.5	1415.1	1351.5	1439.7	1702.2	1747.4	1800.7
35°	1123.9	1101.3	1117.7	1074.7	1017.2	1128.0	1417.2	1456.1	1499.2
37.5°	828.6	812.2	826.5	795.7	744.5	865.5	1138.2	1162.9	1191.6
40°	594.8	580.4	592.7	574.2	533.2	646.0	892.1	918.8	931.1
42.5°	422.5	397.9	410.2	395.8	375.3	486.1	701.4	726.0	730.1
45°	266.6	258.4	266.6	258.4	254.3	361.0	553.7	576.3	586.6
47.5°	162.0	151.8	151.8	147.7	151.8	266.6	457.3	490.2	506.6
50°	92.3	88.2	86.1	84.1	92.3	209.2	395.8	432.7	453.2
52.5°	61.5	59.5	59.5	57.4	67.7	176.4	356.9	389.7	410.2
55°	45.1	43.1	43.1	43.1	53.3	151.8	328.1	354.8	373.3
57.5°	34.9	34.9	34.9	32.8	45.1	129.2	293.3	307.6	322.0
60°	28.7	26.7	26.7	26.7	36.9	110.7	252.3	258.4	266.6
62.5°	22.6	22.6	22.6	22.6	30.8	98.4	217.4	217.4	221.5
65°	20.5	18.5	18.5	18.5	26.7	86.1	182.5	180.5	184.6
67.5°	16.4	16.4	16.4	16.4	22.6	73.8	149.7	147.7	151.8
70°	14.4	14.4	14.4	14.4	18.5	61.5	121.0	119.0	123.1
72.5°	12.3	12.3	12.3	12.3	16.4	51.3	96.4	96.4	98.4
75°	10.3	10.3	10.3	10.3	14.4	39.0	77.9	77.9	80.0
77.5°	8.2	8.2	8.2	8.2	10.3	30.8	59.5	57.4	57.4
80°	4.1	6.2	6.2	6.2	8.2	22.6	43.1	39.0	39.0
82.5°	2.1	4.1	4.1	4.1	8.2	16.4	28.7	26.7	26.7
85°	2.1	2.1	2.1	6.2	8.2	12.3	18.5	18.5	18.5
87.5°	0.0	2.1	4.1	8.2	10.3	10.3	12.3	10.3	10.3
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)