

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: P799838

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799838
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: LD6C55D010 EU6559027 6LBMDSWGPH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

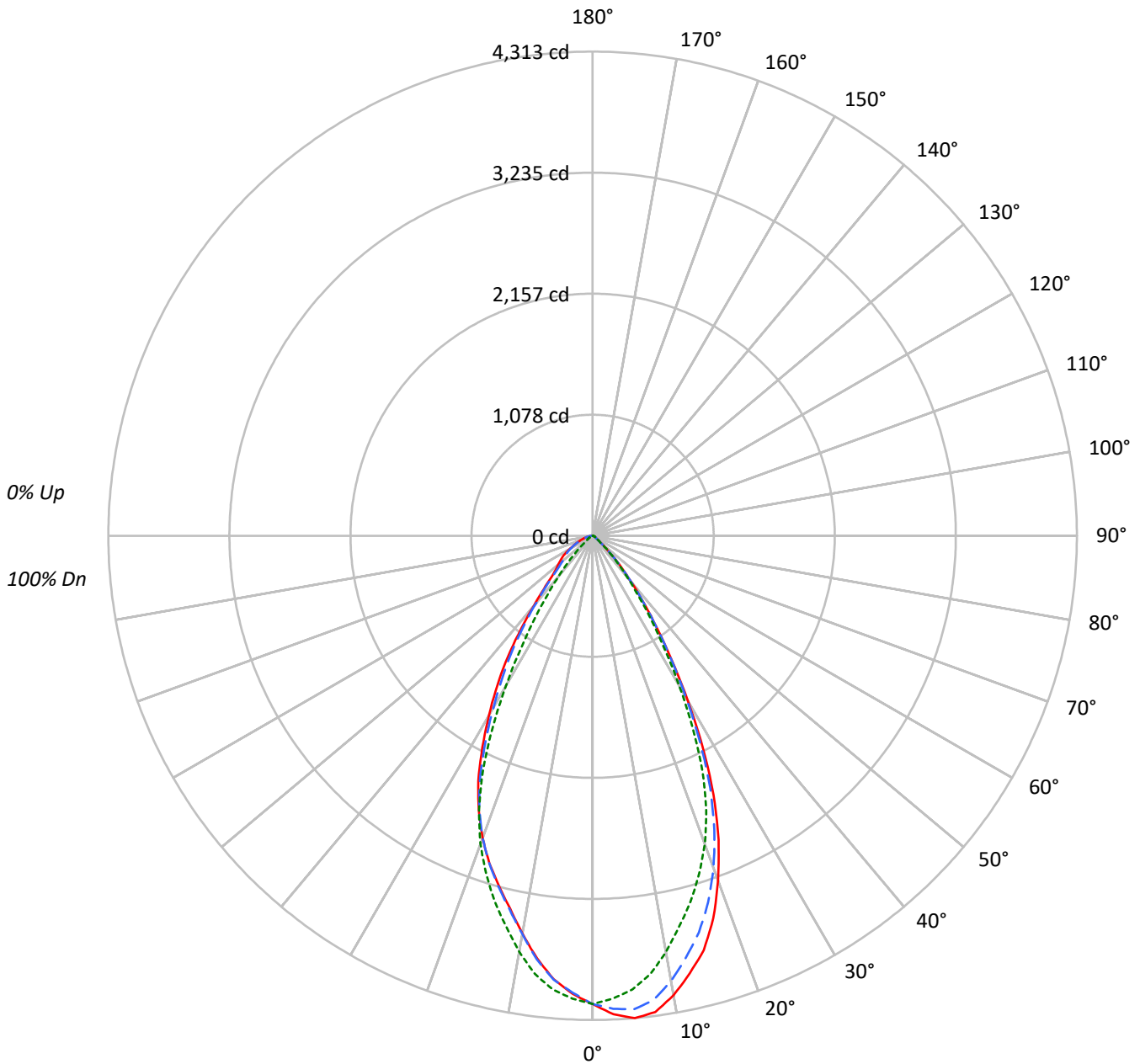
Lumens per Lamp: N/A
Luminaire Lumens: 3591.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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: P799838

CATALOG NUMBER: LD6C55D010 EU6559027 6LBMDSWGPB

Luminous Intensity Polar Plot





TEST NUMBER: P799838

CATALOG NUMBER: LD6C55D010 EU6559027 6LBMDSWGPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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°	228649	228649	228649
5°	237343	223282	218236
10°	231275	209437	200225
15°	216902	191375	183100
20°	190417	170371	167116
25°	154007	139968	145732
30°	107067	97496	116632
35°	65986	59729	88024
40°	37341	33477	58460
45°	18134	17296	39896
50°	6908	6908	33918
55°	3785	4473	31301
60°	2763	3552	25645
65°	2335	3035	21001
70°	2020	2597	17311
75°	1906	2669	14869
80°	1137	2273	10797
85°	1132	4529	10190



TEST NUMBER: P799838

CATALOG NUMBER: LD6C55D010 EU6559027 6LBMDSWGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.8	10.6
10°-20°	959.7	26.7
20°-30°	1080.3	30.1
30°-40°	669.0	18.6
40°-50°	266.4	7.4
50°-60°	121.3	3.4
60°-70°	69.7	1.9
70°-80°	33.1	0.9
80°-90°	9.7	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°	2421.9	67.4
0°-40°	3090.8	86.1
0°-60°	3478.5	96.9
0°-90°	3591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3591.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4171	4171	4171	4171	4171	
5°	4313	4234	4058	3969	3966	406
15°	3822	3656	3372	3235	3226	1057
25°	2546	2478	2314	2372	2409	1144
35°	986	981	892	1243	1315	634
45°	234	234	223	486	515	198
55°	40	38	47	288	328	39
65°	18	16	23	160	162	18
75°	9	9	13	68	70	9
85°	2	2	7	16	16	1
90°	0	0	0	0	0	



TEST NUMBER: P799838

CATALOG NUMBER: LD6C55D010 EU6559027 6LBMDSWGPB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9	4170.9
2.5°	4266.3	4226.7	4217.7	4183.5	4125.9	4093.5	4073.7	4059.3	4084.5
5°	4313.0	4269.9	4233.9	4163.7	4057.5	3998.2	3969.4	3946.0	3965.8
7.5°	4278.9	4217.7	4169.1	4071.9	3937.0	3845.2	3805.6	3778.6	3796.6
10°	4154.7	4080.9	4025.2	3910.0	3762.4	3652.7	3604.1	3578.9	3596.9
12.5°	3992.8	3931.6	3847.0	3721.1	3562.7	3447.6	3411.6	3391.8	3399.0
15°	3821.8	3749.9	3656.3	3530.3	3372.0	3256.8	3235.2	3222.6	3226.2
17.5°	3573.5	3503.3	3422.4	3300.0	3154.3	3060.7	3060.7	3051.7	3057.1
20°	3264.0	3226.2	3147.1	3044.5	2920.4	2835.8	2862.8	2853.8	2864.6
22.5°	2929.3	2900.6	2832.2	2747.6	2643.2	2576.7	2636.1	2634.3	2648.6
25°	2546.1	2524.5	2477.7	2405.7	2314.0	2272.6	2371.5	2371.5	2409.3
27.5°	2123.2	2101.6	2069.3	2008.1	1932.5	1919.9	2065.7	2083.7	2125.0
30°	1691.4	1677.0	1659.0	1603.2	1540.2	1563.6	1765.2	1795.8	1842.5
32.5°	1306.3	1297.3	1291.9	1241.6	1185.8	1263.1	1493.5	1533.0	1579.8
35°	986.0	966.3	980.6	942.9	892.5	989.6	1243.4	1277.5	1315.3
37.5°	726.9	712.5	725.1	698.1	653.2	759.3	998.6	1020.2	1045.4
40°	521.8	509.2	520.0	503.8	467.8	566.8	782.7	806.1	816.9
42.5°	370.7	349.1	359.9	347.3	329.3	426.4	615.4	637.0	640.6
45°	233.9	226.7	233.9	226.7	223.1	316.7	485.8	505.6	514.6
47.5°	142.1	133.2	133.2	129.6	133.2	233.9	401.3	430.0	444.4
50°	81.0	77.4	75.6	73.8	81.0	183.5	347.3	379.7	397.7
52.5°	54.0	52.2	52.2	50.4	59.4	154.7	313.1	341.9	359.9
55°	39.6	37.8	37.8	37.8	46.8	133.2	287.9	311.3	327.5
57.5°	30.6	30.6	30.6	28.8	39.6	113.4	257.3	269.9	282.5
60°	25.2	23.4	23.4	23.4	32.4	97.2	221.3	226.7	233.9
62.5°	19.8	19.8	19.8	19.8	27.0	86.4	190.7	190.7	194.3
65°	18.0	16.2	16.2	16.2	23.4	75.6	160.1	158.3	161.9
67.5°	14.4	14.4	14.4	14.4	19.8	64.8	131.4	129.6	133.2
70°	12.6	12.6	12.6	12.6	16.2	54.0	106.2	104.4	108.0
72.5°	10.8	10.8	10.8	10.8	14.4	45.0	84.6	84.6	86.4
75°	9.0	9.0	9.0	9.0	12.6	34.2	68.4	68.4	70.2
77.5°	7.2	7.2	7.2	7.2	9.0	27.0	52.2	50.4	50.4
80°	3.6	5.4	5.4	5.4	7.2	19.8	37.8	34.2	34.2
82.5°	1.8	3.6	3.6	3.6	7.2	14.4	25.2	23.4	23.4
85°	1.8	1.8	1.8	5.4	7.2	10.8	16.2	16.2	16.2
87.5°	0.0	1.8	3.6	7.2	9.0	9.0	10.8	9.0	9.0
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)