

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: P799910

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799910
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 EU6609030 6LBMDSWGPH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

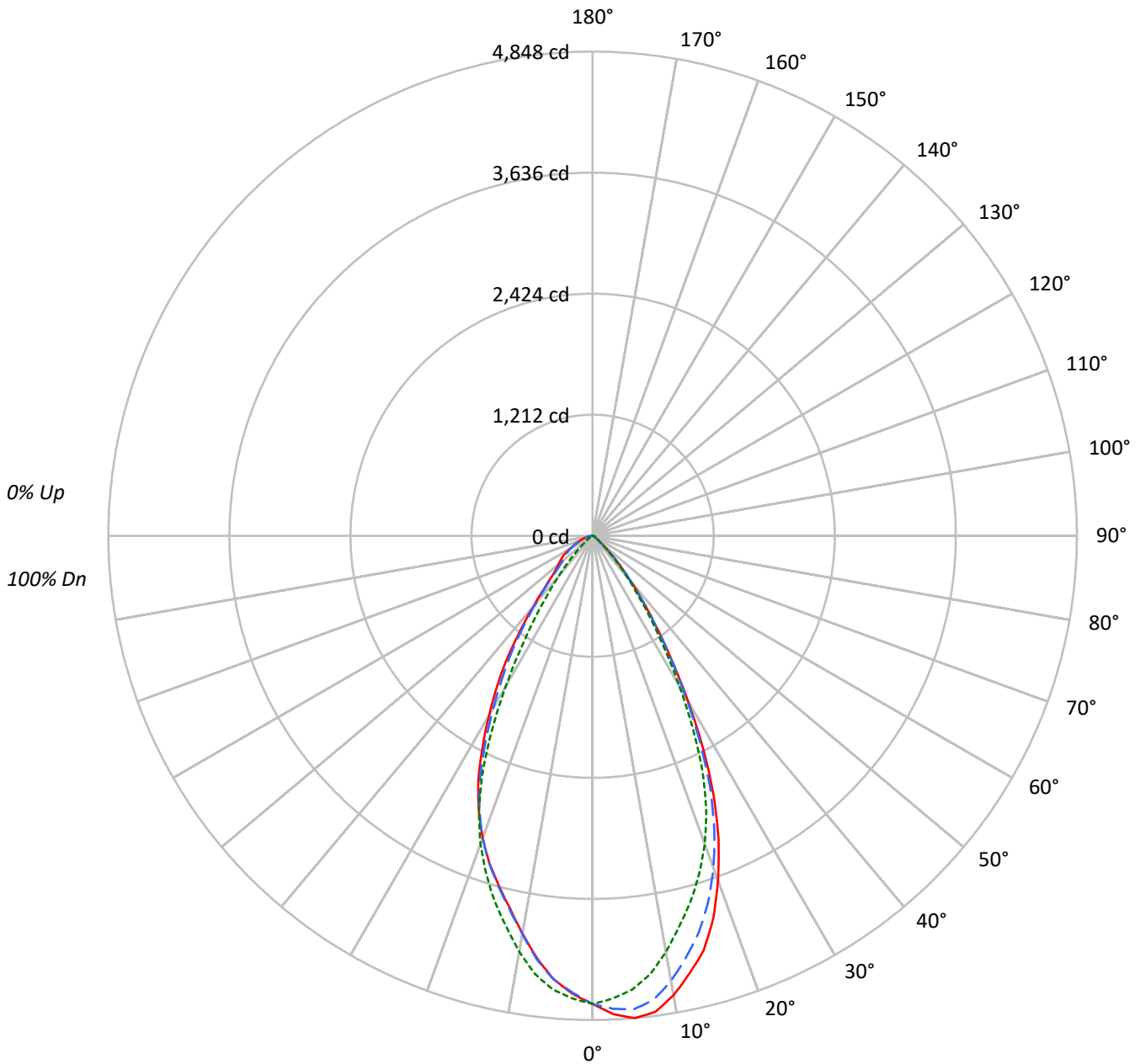
Lumens per Lamp: N/A
Luminaire Lumens: 4036.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	256986	256986	256986
5°	266756	250957	245278
10°	259937	235394	225035
15°	243781	215086	205790
20°	214014	191478	187826
25°	173091	157309	163794
30°	120335	109580	131090
35°	74164	67131	98932
40°	41971	37628	65702
45°	20382	19444	44842
50°	7761	7761	38114
55°	4253	5027	35182
60°	3103	3991	28824
65°	2620	3412	23608
70°	2276	2917	19442
75°	2139	3008	16712
80°	1263	2557	12123
85°	1258	5095	11448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.2	10.6
10°-20°	1078.6	26.7
20°-30°	1214.2	30.1
30°-40°	751.9	18.6
40°-50°	299.4	7.4
50°-60°	136.3	3.4
60°-70°	78.4	1.9
70°-80°	37.2	0.9
80°-90°	10.8	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°	2722.0	67.4
0°-40°	3473.8	86.1
0°-60°	3909.6	96.9
0°-90°	4036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4036.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4688	4688	4688	4688	4688	
5°	4848	4758	4560	4461	4457	457
15°	4295	4109	3790	3636	3626	1188
25°	2862	2785	2601	2665	2708	1286
35°	1108	1102	1003	1397	1478	712
45°	263	263	251	546	578	223
55°	44	42	53	324	368	44
65°	20	18	26	180	182	20
75°	10	10	14	77	79	10
85°	2	2	8	18	18	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	4687.8	4687.8	4687.8	4687.8	4687.8	4687.8	4687.8	4687.8	4687.8
2.5°	4794.9	4750.5	4740.3	4701.9	4637.2	4600.8	4578.6	4562.4	4590.7
5°	4847.5	4799.0	4758.5	4679.7	4560.4	4493.6	4461.3	4435.0	4457.2
7.5°	4809.1	4740.3	4685.7	4576.5	4424.9	4321.7	4277.2	4246.9	4267.1
10°	4669.6	4586.6	4524.0	4394.5	4228.7	4105.3	4050.7	4022.4	4042.6
12.5°	4487.6	4418.8	4323.7	4182.2	4004.2	3874.8	3834.3	3812.1	3820.2
15°	4295.4	4214.5	4109.4	3967.8	3789.8	3660.4	3636.2	3622.0	3626.0
17.5°	4016.3	3937.5	3846.5	3709.0	3545.1	3440.0	3440.0	3429.9	3435.9
20°	3668.5	3626.0	3537.1	3421.8	3282.2	3187.2	3217.5	3207.4	3219.6
22.5°	3292.4	3260.0	3183.1	3088.1	2970.8	2896.0	2962.7	2960.7	2976.9
25°	2861.6	2837.3	2784.7	2703.9	2600.7	2554.2	2665.4	2665.4	2707.9
27.5°	2386.4	2362.1	2325.7	2256.9	2172.0	2157.8	2321.6	2341.9	2388.4
30°	1901.0	1884.8	1864.6	1801.9	1731.1	1757.4	1983.9	2018.3	2070.9
32.5°	1468.2	1458.1	1452.0	1395.4	1332.7	1419.7	1678.5	1723.0	1775.6
35°	1108.2	1086.0	1102.2	1059.7	1003.1	1112.3	1397.4	1435.9	1478.3
37.5°	817.0	800.8	815.0	784.7	734.1	853.4	1122.4	1146.7	1175.0
40°	586.5	572.3	584.5	566.3	525.8	637.0	879.7	906.0	918.1
42.5°	416.6	392.3	404.5	390.3	370.1	479.3	691.6	715.9	719.9
45°	262.9	254.8	262.9	254.8	250.8	355.9	546.0	568.3	578.4
47.5°	159.8	149.7	149.7	145.6	149.7	262.9	451.0	483.3	499.5
50°	91.0	87.0	84.9	82.9	91.0	206.3	390.3	426.7	446.9
52.5°	60.7	58.6	58.6	56.6	66.7	173.9	351.9	384.2	404.5
55°	44.5	42.5	42.5	42.5	52.6	149.7	323.6	349.9	368.1
57.5°	34.4	34.4	34.4	32.4	44.5	127.4	289.2	303.3	317.5
60°	28.3	26.3	26.3	26.3	36.4	109.2	248.7	254.8	262.9
62.5°	22.2	22.2	22.2	22.2	30.3	97.1	214.4	214.4	218.4
65°	20.2	18.2	18.2	18.2	26.3	84.9	180.0	178.0	182.0
67.5°	16.2	16.2	16.2	16.2	22.2	72.8	147.6	145.6	149.7
70°	14.2	14.2	14.2	14.2	18.2	60.7	119.3	117.3	121.3
72.5°	12.1	12.1	12.1	12.1	16.2	50.6	95.0	95.0	97.1
75°	10.1	10.1	10.1	10.1	14.2	38.4	76.8	76.8	78.9
77.5°	8.1	8.1	8.1	8.1	10.1	30.3	58.6	56.6	56.6
80°	4.0	6.1	6.1	6.1	8.1	22.2	42.5	38.4	38.4
82.5°	2.0	4.0	4.0	4.0	8.1	16.2	28.3	26.3	26.3
85°	2.0	2.0	2.0	6.1	8.1	12.1	18.2	18.2	18.2
87.5°	0.0	2.0	4.0	8.1	10.1	10.1	12.1	10.1	10.1
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)