

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: P799874

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799874
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 EU6559040 6LBMDSWGPH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

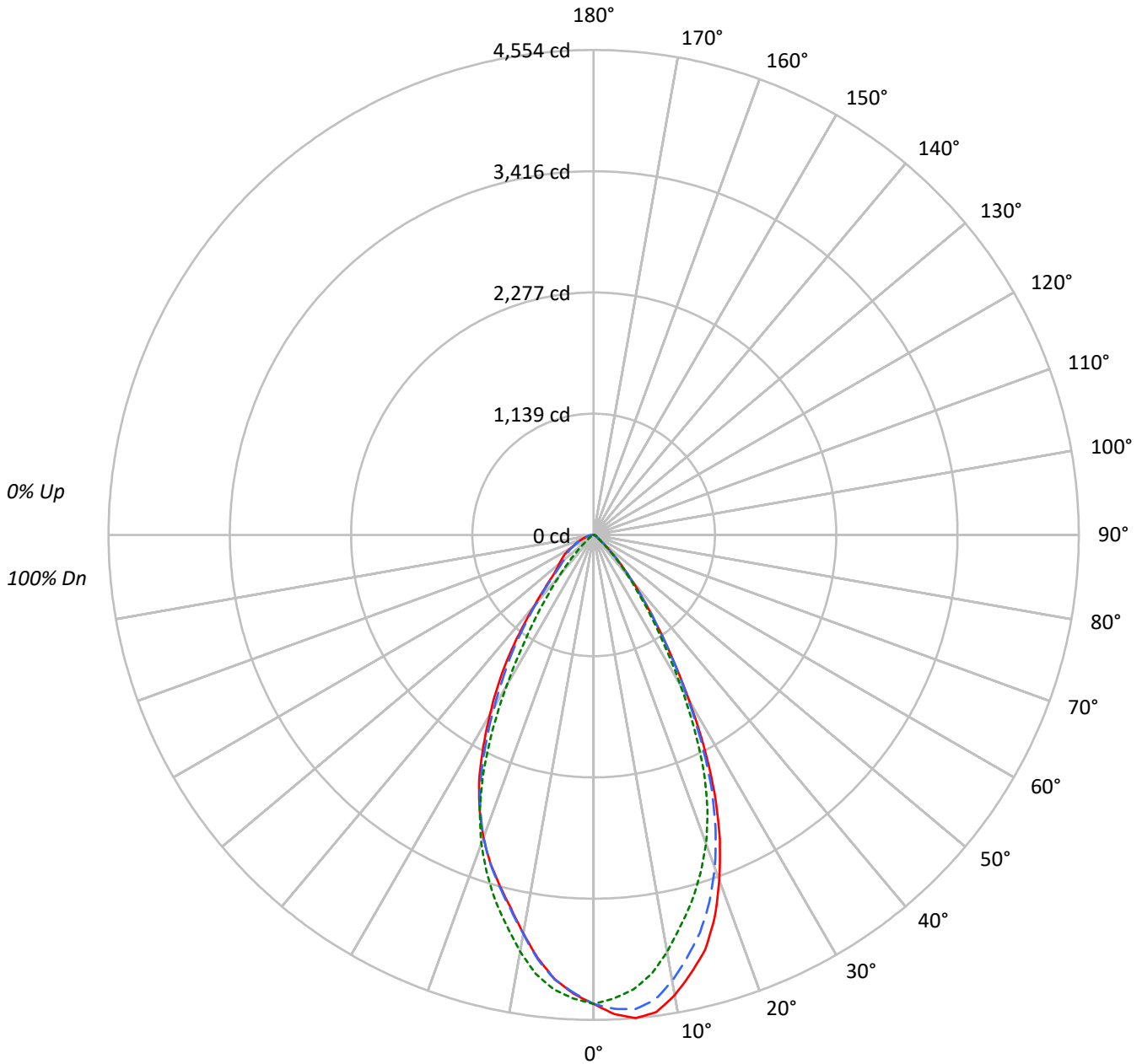
Lumens per Lamp: N/A
Luminaire Lumens: 3792.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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°	241450	241450	241450
5°	250632	235785	230453
10°	244223	221160	211430
15°	229042	202084	193350
20°	201075	179904	176468
25°	162626	147801	153892
30°	113062	102959	123165
35°	69680	63068	92956
40°	39431	35352	61730
45°	19149	18265	42128
50°	7292	7292	35811
55°	3995	4721	33050
60°	2916	3750	27081
65°	2465	3204	22181
70°	2132	2741	18272
75°	2012	2817	15695
80°	1200	2399	11397
85°	1195	4780	10756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.2	10.6
10°-20°	1013.4	26.7
20°-30°	1140.8	30.1
30°-40°	706.4	18.6
40°-50°	281.3	7.4
50°-60°	128.1	3.4
60°-70°	73.6	1.9
70°-80°	35.0	0.9
80°-90°	10.2	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°	2557.4	67.4
0°-40°	3263.8	86.1
0°-60°	3673.2	96.9
0°-90°	3792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3792.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4404	4404	4404	4404	4404	
5°	4554	4471	4285	4192	4188	429
15°	4036	3861	3561	3416	3407	1117
25°	2689	2616	2444	2504	2544	1209
35°	1041	1036	942	1313	1389	669
45°	247	247	236	513	543	209
55°	42	40	49	304	346	42
65°	19	17	25	169	171	19
75°	10	10	13	72	74	10
85°	2	2	8	17	17	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°	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4
2.5°	4505.1	4463.3	4453.8	4417.7	4356.9	4322.7	4301.8	4286.6	4313.2
5°	4554.5	4508.9	4470.9	4396.8	4284.7	4222.0	4191.6	4166.9	4187.8
7.5°	4518.4	4453.8	4402.5	4299.9	4157.4	4060.4	4018.6	3990.1	4009.1
10°	4387.3	4309.4	4250.5	4128.8	3973.0	3857.1	3805.8	3779.2	3798.2
12.5°	4216.3	4151.7	4062.3	3929.3	3762.1	3640.5	3602.5	3581.6	3589.2
15°	4035.7	3959.7	3860.9	3727.9	3560.7	3439.1	3416.3	3403.0	3406.8
17.5°	3773.5	3699.4	3613.9	3484.7	3330.8	3232.0	3232.0	3222.5	3228.2
20°	3446.7	3406.8	3323.2	3214.9	3083.8	2994.5	3023.0	3013.5	3024.9
22.5°	3093.3	3062.9	2990.7	2901.4	2791.2	2720.9	2783.6	2781.7	2796.9
25°	2688.6	2665.8	2616.4	2540.4	2443.5	2399.8	2504.3	2504.3	2544.2
27.5°	2242.1	2219.3	2185.1	2120.5	2040.7	2027.4	2181.3	2200.3	2244.0
30°	1786.1	1770.9	1751.9	1693.0	1626.5	1651.2	1864.0	1896.3	1945.7
32.5°	1379.5	1369.9	1364.2	1311.0	1252.1	1333.8	1577.1	1618.9	1668.3
35°	1041.2	1020.3	1035.5	995.6	942.4	1045.0	1312.9	1349.0	1389.0
37.5°	767.6	752.4	765.7	737.2	689.7	801.8	1054.5	1077.3	1103.9
40°	551.0	537.7	549.1	532.0	494.0	598.5	826.5	851.2	862.6
42.5°	391.4	368.6	380.0	366.7	347.7	450.3	649.8	672.6	676.4
45°	247.0	239.4	247.0	239.4	235.6	334.4	513.0	533.9	543.4
47.5°	150.1	140.6	140.6	136.8	140.6	247.0	423.7	454.1	469.3
50°	85.5	81.7	79.8	77.9	85.5	193.8	366.7	400.9	419.9
52.5°	57.0	55.1	55.1	53.2	62.7	163.4	330.6	361.0	380.0
55°	41.8	39.9	39.9	39.9	49.4	140.6	304.0	328.7	345.8
57.5°	32.3	32.3	32.3	30.4	41.8	119.7	271.7	285.0	298.3
60°	26.6	24.7	24.7	24.7	34.2	102.6	233.7	239.4	247.0
62.5°	20.9	20.9	20.9	20.9	28.5	91.2	201.4	201.4	205.2
65°	19.0	17.1	17.1	17.1	24.7	79.8	169.1	167.2	171.0
67.5°	15.2	15.2	15.2	15.2	20.9	68.4	138.7	136.8	140.6
70°	13.3	13.3	13.3	13.3	17.1	57.0	112.1	110.2	114.0
72.5°	11.4	11.4	11.4	11.4	15.2	47.5	89.3	89.3	91.2
75°	9.5	9.5	9.5	9.5	13.3	36.1	72.2	72.2	74.1
77.5°	7.6	7.6	7.6	7.6	9.5	28.5	55.1	53.2	53.2
80°	3.8	5.7	5.7	5.7	7.6	20.9	39.9	36.1	36.1
82.5°	1.9	3.8	3.8	3.8	7.6	15.2	26.6	24.7	24.7
85°	1.9	1.9	1.9	5.7	7.6	11.4	17.1	17.1	17.1
87.5°	0.0	1.9	3.8	7.6	9.5	9.5	11.4	9.5	9.5
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)