

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: P799888

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799888
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 EU6559050 6LBMDSWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

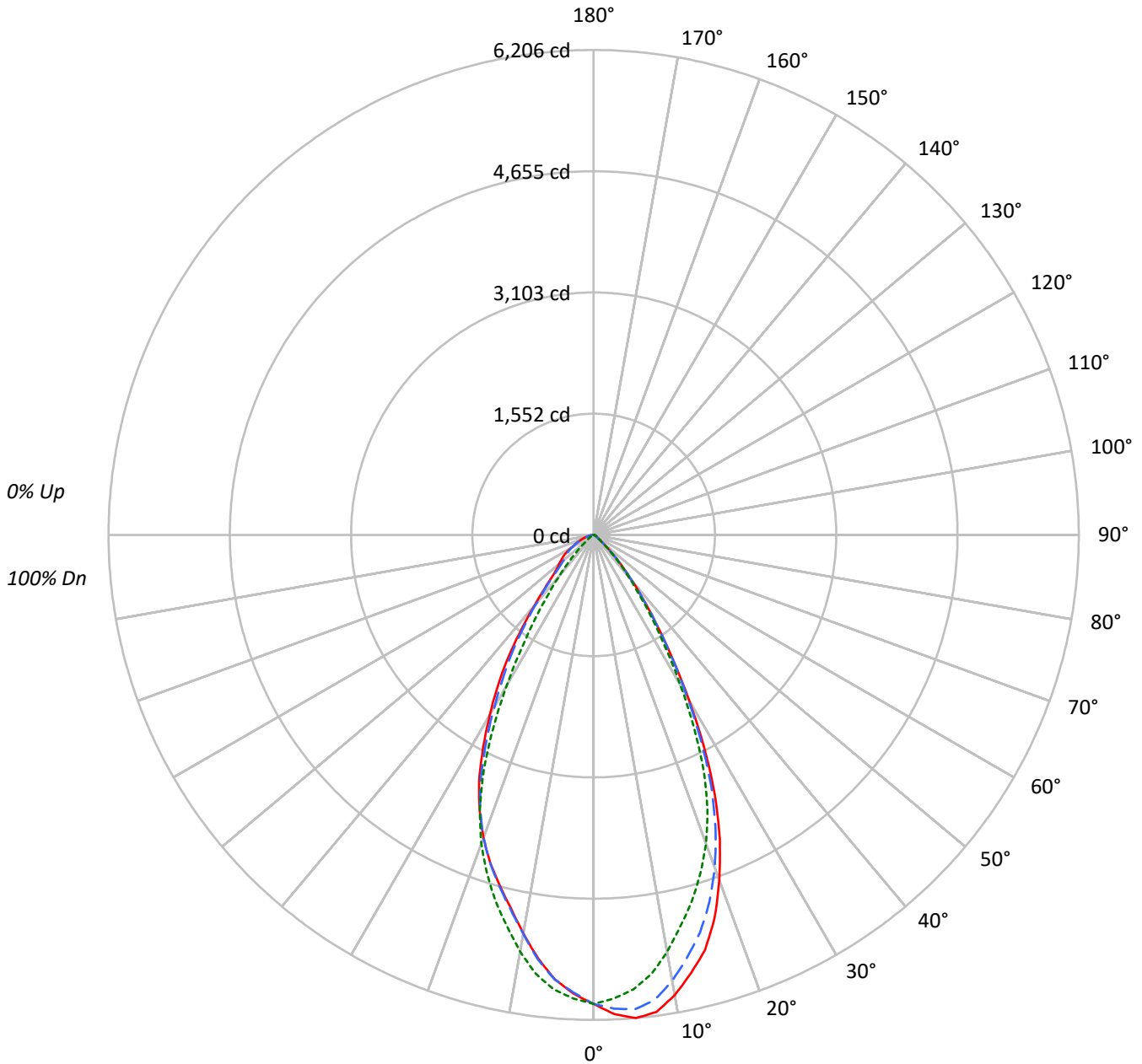
Lumens per Lamp: N/A
Luminaire Lumens: 5167.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	328998	328998	328998
5°	341508	321279	314015
10°	332776	301358	288099
15°	312096	275365	263463
20°	273986	245138	240459
25°	221595	201393	209692
30°	154055	140287	167823
35°	94950	85943	126659
40°	53729	48176	84115
45°	26096	24886	57409
50°	9936	9936	48800
55°	5448	6432	45035
60°	3969	5109	36905
65°	3360	4371	30224
70°	2901	3735	24892
75°	2732	3834	21393
80°	1642	3283	15532
85°	1635	6542	14655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.4	10.6
10°-20°	1380.9	26.7
20°-30°	1554.5	30.1
30°-40°	962.6	18.6
40°-50°	383.3	7.4
50°-60°	174.5	3.4
60°-70°	100.3	1.9
70°-80°	47.6	0.9
80°-90°	13.9	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°	3484.8	67.4
0°-40°	4447.3	86.1
0°-60°	5005.2	96.9
0°-90°	5167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5167.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6001	6001	6001	6001	6001	
5°	6206	6092	5838	5711	5706	584
15°	5499	5261	4852	4655	4642	1521
25°	3664	3565	3330	3412	3467	1647
35°	1419	1411	1284	1789	1893	912
45°	337	337	321	699	740	285
55°	57	54	67	414	471	57
65°	26	23	34	230	233	25
75°	13	13	18	98	101	13
85°	3	3	10	23	23	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°	6001.4	6001.4	6001.4	6001.4	6001.4	6001.4	6001.4	6001.4	6001.4
2.5°	6138.6	6081.7	6068.7	6019.5	5936.7	5890.1	5861.6	5840.9	5877.1
5°	6205.9	6143.8	6092.0	5991.0	5838.3	5752.9	5711.4	5677.8	5706.3
7.5°	6156.7	6068.7	5998.8	5859.0	5664.8	5532.8	5475.8	5437.0	5462.9
10°	5978.1	5872.0	5791.7	5626.0	5413.7	5255.8	5185.9	5149.6	5175.5
12.5°	5745.1	5657.1	5535.4	5354.1	5126.3	4960.6	4908.8	4880.3	4890.7
15°	5499.1	5395.6	5260.9	5079.7	4851.9	4686.2	4655.1	4637.0	4642.2
17.5°	5141.8	5040.9	4924.4	4748.3	4538.6	4404.0	4404.0	4391.0	4398.8
20°	4696.5	4642.2	4528.2	4380.7	4202.0	4080.3	4119.2	4106.2	4121.8
22.5°	4215.0	4173.5	4075.2	3953.5	3803.3	3707.5	3792.9	3790.4	3811.1
25°	3663.5	3632.4	3565.1	3461.6	3329.5	3270.0	3412.4	3412.4	3466.7
27.5°	3055.1	3024.0	2977.4	2889.4	2780.6	2762.5	2972.2	2998.1	3057.7
30°	2433.7	2413.0	2387.1	2306.8	2216.2	2249.9	2539.9	2583.9	2651.2
32.5°	1879.6	1866.7	1858.9	1786.4	1706.2	1817.5	2148.9	2205.9	2273.2
35°	1418.8	1390.3	1411.0	1356.7	1284.2	1424.0	1789.0	1838.2	1892.6
37.5°	1046.0	1025.3	1043.4	1004.5	939.8	1092.6	1436.9	1468.0	1504.2
40°	750.8	732.7	748.2	724.9	673.2	815.5	1126.2	1159.9	1175.4
42.5°	533.3	502.3	517.8	499.7	473.8	613.6	885.5	916.5	921.7
45°	336.6	326.2	336.6	326.2	321.0	455.7	699.0	727.5	740.5
47.5°	204.5	191.6	191.6	186.4	191.6	336.6	577.4	618.8	639.5
50°	116.5	111.3	108.7	106.2	116.5	264.1	499.7	546.3	572.2
52.5°	77.7	75.1	75.1	72.5	85.4	222.7	450.5	491.9	517.8
55°	57.0	54.4	54.4	54.4	67.3	191.6	414.2	447.9	471.2
57.5°	44.0	44.0	44.0	41.4	57.0	163.1	370.2	388.4	406.5
60°	36.2	33.7	33.7	33.7	46.6	139.8	318.5	326.2	336.6
62.5°	28.5	28.5	28.5	28.5	38.8	124.3	274.4	274.4	279.6
65°	25.9	23.3	23.3	23.3	33.7	108.7	230.4	227.8	233.0
67.5°	20.7	20.7	20.7	20.7	28.5	93.2	189.0	186.4	191.6
70°	18.1	18.1	18.1	18.1	23.3	77.7	152.8	150.2	155.3
72.5°	15.5	15.5	15.5	15.5	20.7	64.7	121.7	121.7	124.3
75°	12.9	12.9	12.9	12.9	18.1	49.2	98.4	98.4	101.0
77.5°	10.4	10.4	10.4	10.4	12.9	38.8	75.1	72.5	72.5
80°	5.2	7.8	7.8	7.8	10.4	28.5	54.4	49.2	49.2
82.5°	2.6	5.2	5.2	5.2	10.4	20.7	36.2	33.7	33.7
85°	2.6	2.6	2.6	7.8	10.4	15.5	23.3	23.3	23.3
87.5°	0.0	2.6	5.2	10.4	12.9	12.9	15.5	12.9	12.9
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)