

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: P799882

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C55D010 EU6559050 6LBMDDWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

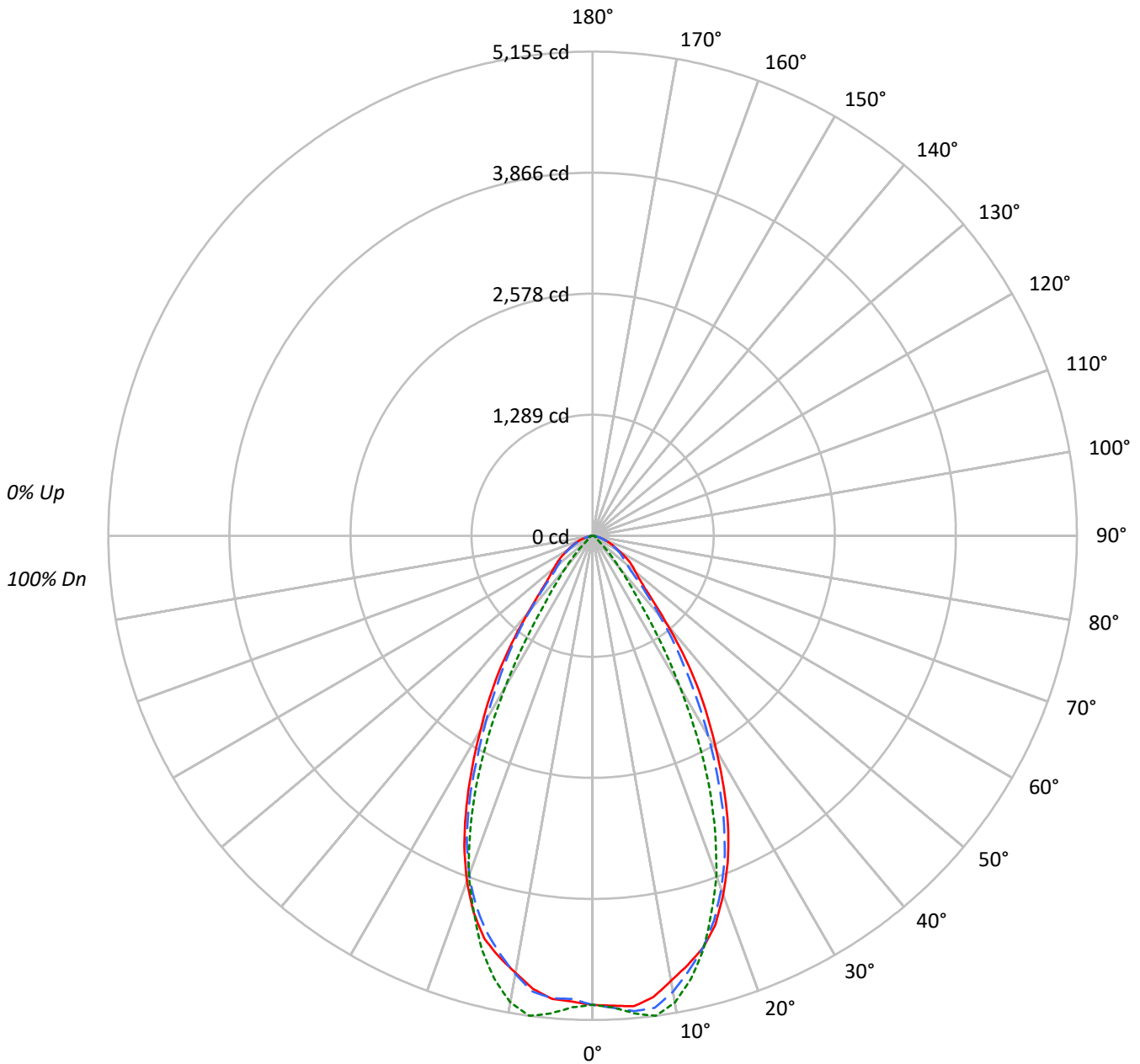
Lumens per Lamp: N/A
Luminaire Lumens: 5085.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									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	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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																											
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																											
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																											
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																											
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																											
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																											
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																											
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																											
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																											
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																											

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	273816	273816	273816
5°	276678	280876	272347
10°	267714	280868	263049
15°	257663	258673	252186
20°	237146	224690	228249
25°	206383	177186	192247
30°	166450	117721	151011
35°	129048	60699	113408
40°	88544	31452	76365
45°	60665	15754	53571
50°	50489	6720	45935
55°	45408	5830	41040
60°	35929	5570	34263
65°	29666	4942	29329
70°	24026	4472	24026
75°	17750	4850	18830
80°	10418	4009	11239
85°	7988	4780	7988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.5	9.4
10°-20°	1247.9	24.5
20°-30°	1424.4	28.0
30°-40°	944.6	18.6
40°-50°	455.6	9.0
50°-60°	280.3	5.5
60°-70°	169.6	3.3
70°-80°	71.4	1.4
80°-90°	15.8	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°	3147.8	61.9
0°-40°	4092.4	80.5
0°-60°	4828.3	95.0
0°-90°	5085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5085.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4995	4995	4995	4995	4995	
5°	5028	5081	5104	4942	4949	472
15°	4540	4540	4558	4365	4444	1265
25°	3412	3298	2929	3100	3178	1547
35°	1928	1700	907	1585	1695	1193
45°	782	686	203	640	691	638
55°	475	386	61	386	429	418
65°	229	218	38	206	226	230
75°	84	84	23	79	89	90
85°	13	18	8	13	13	16
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°	4994.8	4994.8	4994.8	4994.8	4994.8	4994.8	4994.8	4994.8	4994.8
2.5°	5007.5	5015.1	5030.4	5032.9	5025.3	4977.0	4936.4	4951.6	4964.3
5°	5027.8	5043.1	5081.2	5116.8	5104.1	5022.8	4941.5	4938.9	4949.1
7.5°	4954.2	4989.7	5068.5	5157.4	5154.9	5015.1	4895.7	4865.2	4865.2
10°	4809.3	4842.4	4928.8	5048.2	5045.6	4870.3	4738.2	4723.0	4725.5
12.5°	4679.8	4695.0	4738.2	4832.2	4832.2	4659.5	4557.8	4573.1	4593.4
15°	4540.0	4550.2	4540.0	4570.5	4557.8	4415.6	4364.7	4413.0	4443.5
17.5°	4341.9	4347.0	4293.6	4253.0	4204.7	4115.8	4128.5	4199.6	4207.2
20°	4065.0	4098.0	4001.4	3897.3	3851.5	3767.7	3838.8	3917.6	3912.5
22.5°	3760.1	3798.2	3673.7	3500.9	3406.9	3373.9	3500.9	3572.1	3569.5
25°	3412.0	3440.0	3297.7	3056.3	2929.3	2924.2	3099.5	3173.2	3178.3
27.5°	3020.8	3030.9	2870.9	2555.8	2398.3	2436.4	2657.5	2759.1	2771.8
30°	2629.5	2624.4	2459.3	2068.0	1859.7	1963.9	2261.1	2372.9	2385.6
32.5°	2271.3	2256.0	2068.0	1600.6	1351.6	1506.6	1897.8	2014.7	2035.0
35°	1928.3	1902.9	1699.7	1183.9	907.0	1138.2	1585.3	1687.0	1694.6
37.5°	1570.1	1557.4	1397.3	886.7	632.6	863.8	1293.2	1366.8	1359.2
40°	1237.3	1237.3	1105.2	658.0	439.5	642.8	1023.9	1089.9	1067.1
42.5°	970.5	983.2	871.4	485.3	312.5	477.6	810.5	871.4	846.0
45°	782.5	782.5	686.0	360.8	203.2	355.7	640.2	696.1	691.0
47.5°	663.1	652.9	556.4	264.2	111.8	266.8	538.6	607.2	604.7
50°	592.0	576.7	477.6	208.3	78.8	221.0	472.6	536.1	538.6
52.5°	536.1	513.2	429.4	185.5	68.6	193.1	429.4	480.2	480.2
55°	475.1	462.4	386.2	165.1	61.0	172.8	386.2	431.9	429.4
57.5°	401.4	398.9	345.5	149.9	55.9	152.4	345.5	373.5	363.3
60°	327.7	337.9	299.8	134.7	50.8	137.2	294.7	317.6	312.5
62.5°	274.4	287.1	261.7	119.4	43.2	121.9	249.0	271.8	266.8
65°	228.7	238.8	218.5	101.6	38.1	101.6	205.8	226.1	226.1
67.5°	188.0	195.6	180.4	83.8	33.0	83.8	167.7	185.5	188.0
70°	149.9	155.0	142.3	66.1	27.9	68.6	132.1	149.9	149.9
72.5°	116.9	119.4	111.8	53.4	25.4	53.4	101.6	116.9	116.9
75°	83.8	88.9	83.8	40.6	22.9	40.6	78.8	86.4	88.9
77.5°	48.3	61.0	61.0	33.0	17.8	30.5	55.9	58.4	58.4
80°	33.0	38.1	43.2	22.9	12.7	22.9	35.6	38.1	35.6
82.5°	22.9	25.4	25.4	15.2	10.2	15.2	22.9	25.4	22.9
85°	12.7	17.8	17.8	12.7	7.6	10.2	12.7	15.2	12.7
87.5°	7.6	10.2	12.7	10.2	7.6	7.6	7.6	7.6	5.1
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)