

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: P799870

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799870
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 EU6559040 6LBMDDWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

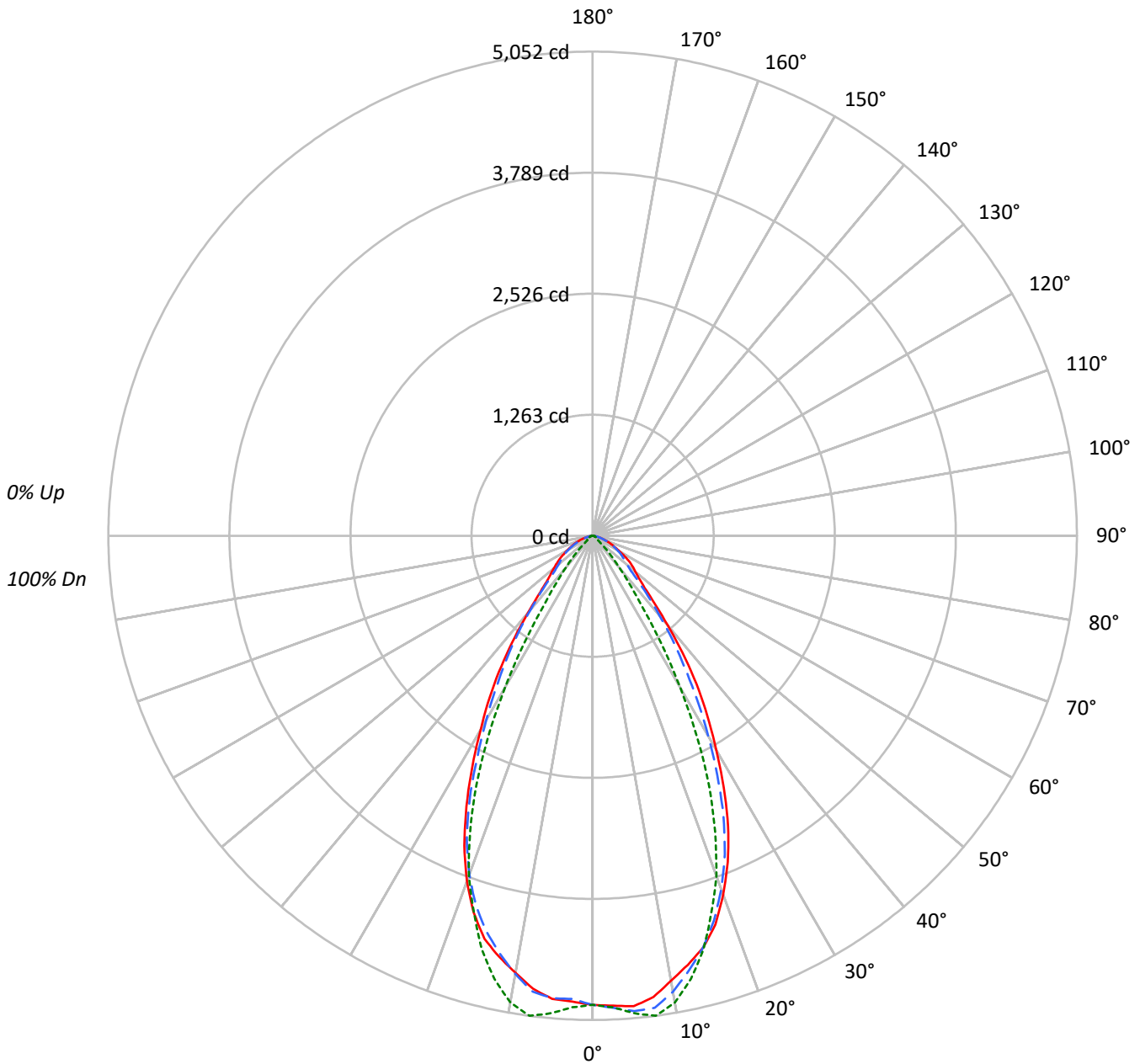
Lumens per Lamp: N/A
Luminaire Lumens: 4983.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V): NR
Input Current (Ain): 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	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°	268323	268323	268323
5°	271131	275241	266882
10°	262348	275234	257772
15°	252499	253486	247130
20°	232385	220187	223669
25°	202246	173629	188388
30°	163114	115360	147985
35°	126458	59481	111132
40°	86770	30822	74826
45°	59448	15443	52502
50°	49474	6584	45013
55°	44500	5715	40209
60°	35216	5460	33572
65°	29069	4838	28745
70°	23546	4392	23546
75°	17411	4745	18449
80°	10229	3915	11018
85°	7799	4717	7799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.9	9.4
10°-20°	1222.9	24.5
20°-30°	1395.9	28.0
30°-40°	925.7	18.6
40°-50°	446.5	9.0
50°-60°	274.6	5.5
60°-70°	166.2	3.3
70°-80°	69.9	1.4
80°-90°	15.4	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°	3084.7	61.9
0°-40°	4010.3	80.5
0°-60°	4731.5	95.0
0°-90°	4983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4983.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4895	4895	4895	4895	4895	
5°	4927	4979	5002	4842	4850	463
15°	4449	4449	4466	4277	4354	1240
25°	3344	3232	2870	3037	3114	1516
35°	1890	1666	889	1554	1661	1169
45°	767	672	199	627	677	625
55°	466	378	60	378	421	409
65°	224	214	37	202	222	225
75°	82	82	22	77	87	88
85°	12	17	8	12	12	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°	4894.6	4894.6	4894.6	4894.6	4894.6	4894.6	4894.6	4894.6	4894.6
2.5°	4907.1	4914.5	4929.5	4932.0	4924.5	4877.2	4837.4	4852.3	4864.7
5°	4927.0	4941.9	4979.3	5014.1	5001.7	4922.0	4842.3	4839.8	4849.8
7.5°	4854.8	4889.6	4966.8	5054.0	5051.5	4914.5	4797.5	4767.6	4767.6
10°	4712.9	4745.2	4829.9	4946.9	4944.4	4772.6	4643.2	4628.2	4630.7
12.5°	4585.9	4600.8	4643.2	4735.3	4735.3	4566.0	4466.4	4481.3	4501.3
15°	4449.0	4458.9	4449.0	4478.9	4466.4	4327.0	4277.2	4324.5	4354.4
17.5°	4254.8	4259.8	4207.5	4167.6	4120.3	4033.2	4045.7	4115.4	4122.8
20°	3983.4	4015.8	3921.2	3819.1	3774.3	3692.1	3761.8	3839.0	3834.0
22.5°	3684.7	3722.0	3600.0	3430.7	3338.6	3306.2	3430.7	3500.4	3497.9
25°	3343.6	3371.0	3231.5	2995.0	2870.5	2865.6	3037.4	3109.6	3114.5
27.5°	2960.2	2970.1	2813.3	2504.6	2350.2	2387.6	2604.2	2703.7	2716.2
30°	2576.8	2571.8	2410.0	2026.6	1822.4	1924.5	2215.8	2325.3	2337.8
32.5°	2225.7	2210.8	2026.6	1568.5	1324.5	1476.4	1859.8	1974.3	1994.2
35°	1889.6	1864.7	1665.6	1160.2	888.8	1115.4	1553.5	1653.1	1660.6
37.5°	1538.6	1526.1	1369.3	868.9	619.9	846.5	1267.2	1339.4	1332.0
40°	1212.5	1212.5	1083.0	644.8	430.7	629.9	1003.3	1068.1	1045.6
42.5°	951.0	963.5	853.9	475.5	306.2	468.1	794.2	853.9	829.0
45°	766.8	766.8	672.2	353.5	199.2	348.5	627.4	682.2	677.2
47.5°	649.8	639.8	545.2	258.9	109.5	261.4	527.8	595.0	592.5
50°	580.1	565.1	468.1	204.2	77.2	216.6	463.1	525.3	527.8
52.5°	525.3	502.9	420.7	181.7	67.2	189.2	420.7	470.5	470.5
55°	465.6	453.1	378.4	161.8	59.8	169.3	378.4	423.2	420.7
57.5°	393.4	390.9	338.6	146.9	54.8	149.4	338.6	366.0	356.0
60°	321.2	331.1	293.8	132.0	49.8	134.4	288.8	311.2	306.2
62.5°	268.9	281.3	256.4	117.0	42.3	119.5	244.0	266.4	261.4
65°	224.1	234.0	214.1	99.6	37.3	99.6	201.7	221.6	221.6
67.5°	184.2	191.7	176.8	82.2	32.4	82.2	164.3	181.7	184.2
70°	146.9	151.9	139.4	64.7	27.4	67.2	129.5	146.9	146.9
72.5°	114.5	117.0	109.5	52.3	24.9	52.3	99.6	114.5	114.5
75°	82.2	87.1	82.2	39.8	22.4	39.8	77.2	84.6	87.1
77.5°	47.3	59.8	59.8	32.4	17.4	29.9	54.8	57.3	57.3
80°	32.4	37.3	42.3	22.4	12.4	22.4	34.9	37.3	34.9
82.5°	22.4	24.9	24.9	14.9	10.0	14.9	22.4	24.9	22.4
85°	12.4	17.4	17.4	12.4	7.5	10.0	12.4	14.9	12.4
87.5°	7.5	10.0	12.4	10.0	7.5	7.5	7.5	7.5	5.0
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)