

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: P799861

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799861
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 EU6559035 6LBMDDWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

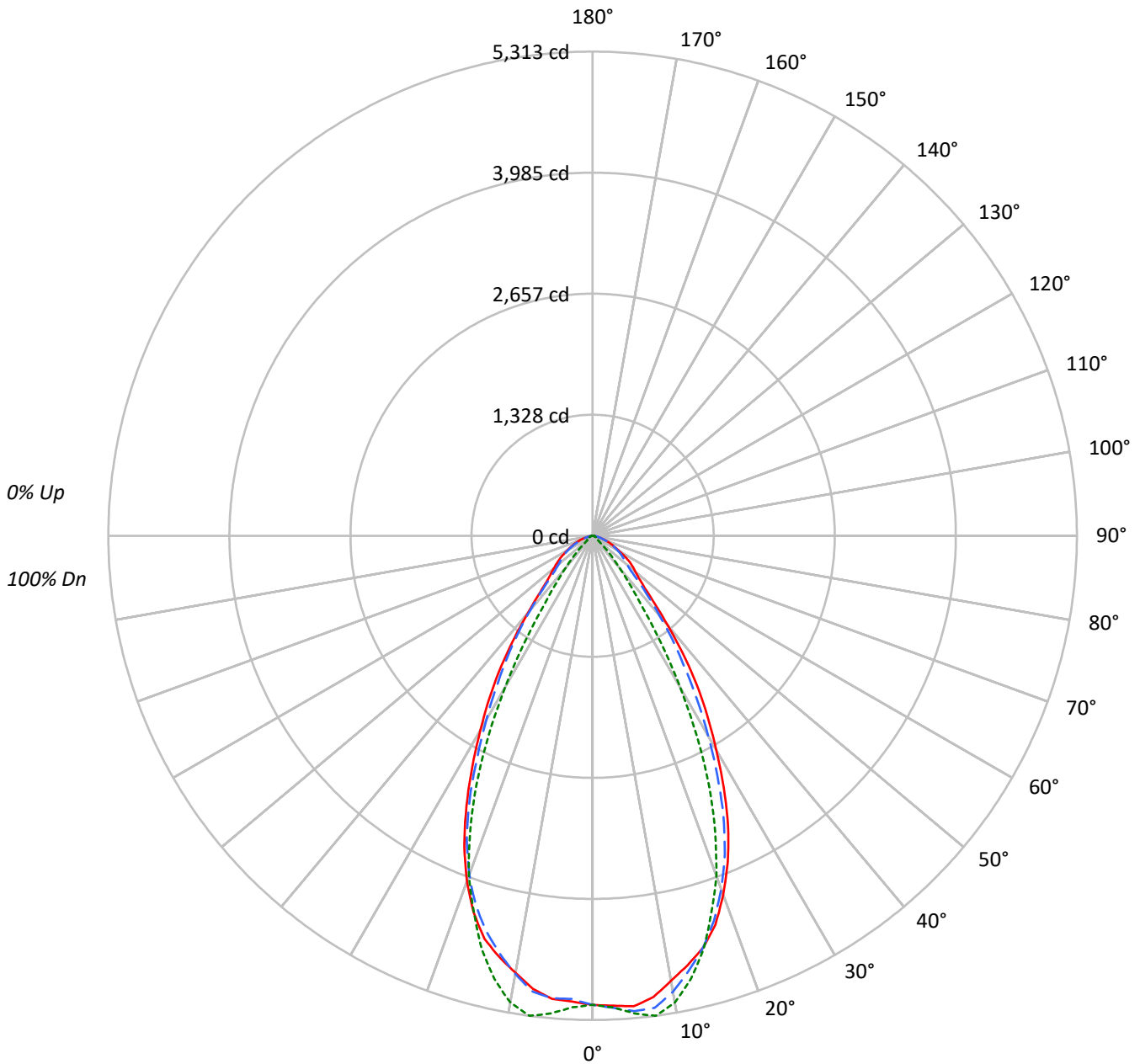
Lumens per Lamp: N/A
Luminaire Lumens: 5241.0 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P799861

CATALOG NUMBER: LD6C55D010 EU6559035 6LBMDDWWMH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	282214	282214	282214
5°	285169	289489	280700
10°	275930	289485	271121
15°	265569	266613	259922
20°	244420	231586	235250
25°	212716	182623	198145
30°	171558	121335	155644
35°	133010	62560	116888
40°	91257	32418	78705
45°	62526	16242	55215
50°	52032	6925	47342
55°	46804	6002	42292
60°	37037	5745	35315
65°	30574	5098	30224
70°	24764	4616	24764
75°	18300	4999	19402
80°	10734	4136	11586
85°	8240	4969	8240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.0	9.4
10°-20°	1286.2	24.5
20°-30°	1468.1	28.0
30°-40°	973.6	18.6
40°-50°	469.6	9.0
50°-60°	288.9	5.5
60°-70°	174.8	3.3
70°-80°	73.5	1.4
80°-90°	16.2	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°	3244.4	61.9
0°-40°	4218.0	80.5
0°-60°	4976.4	95.0
0°-90°	5241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5241.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5148	5148	5148	5148	5148	
5°	5182	5237	5261	5093	5101	487
15°	4679	4679	4698	4499	4580	1304
25°	3517	3399	3019	3195	3276	1595
35°	1988	1752	935	1634	1747	1229
45°	806	707	210	660	712	658
55°	490	398	63	398	442	430
65°	236	225	39	212	233	237
75°	86	86	24	81	92	92
85°	13	18	8	13	13	17
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°	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0	5148.0
2.5°	5161.1	5169.0	5184.7	5187.3	5179.5	5129.7	5087.8	5103.5	5116.6
5°	5182.1	5197.8	5237.1	5273.7	5260.6	5176.8	5093.1	5090.4	5100.9
7.5°	5106.1	5142.8	5224.0	5315.6	5313.0	5169.0	5045.9	5014.5	5014.5
10°	4956.9	4990.9	5080.0	5203.0	5200.4	5019.7	4883.6	4867.9	4870.5
12.5°	4823.3	4839.1	4883.6	4980.5	4980.5	4802.4	4697.7	4713.4	4734.3
15°	4679.3	4689.8	4679.3	4710.7	4697.7	4551.0	4498.6	4548.4	4579.8
17.5°	4475.1	4480.3	4425.3	4383.4	4333.7	4242.0	4255.1	4328.4	4336.3
20°	4189.7	4223.7	4124.2	4016.8	3969.7	3883.3	3956.6	4037.8	4032.5
22.5°	3875.4	3914.7	3786.4	3608.3	3511.5	3477.4	3608.3	3681.7	3679.0
25°	3516.7	3545.5	3398.9	3150.1	3019.2	3013.9	3194.6	3270.6	3275.8
27.5°	3113.4	3123.9	2958.9	2634.2	2471.9	2511.2	2739.0	2843.7	2856.8
30°	2710.2	2704.9	2534.7	2131.5	1916.8	2024.1	2330.5	2445.7	2458.8
32.5°	2341.0	2325.3	2131.5	1649.7	1393.1	1552.8	1956.0	2076.5	2097.4
35°	1987.5	1961.3	1751.8	1220.2	934.8	1173.1	1634.0	1738.7	1746.6
37.5°	1618.3	1605.2	1440.2	913.9	652.0	890.3	1332.8	1408.8	1400.9
40°	1275.2	1275.2	1139.1	678.2	453.0	662.5	1055.3	1123.4	1099.8
42.5°	1000.3	1013.4	898.2	500.1	322.1	492.3	835.3	898.2	872.0
45°	806.5	806.5	707.0	371.8	209.5	366.6	659.9	717.5	712.2
47.5°	683.4	673.0	573.5	272.3	115.2	274.9	555.1	625.8	623.2
50°	610.1	594.4	492.3	214.7	81.2	227.8	487.0	552.5	555.1
52.5°	552.5	528.9	442.5	191.2	70.7	199.0	442.5	494.9	494.9
55°	489.7	476.6	398.0	170.2	62.8	178.1	398.0	445.2	442.5
57.5°	413.7	411.1	356.1	154.5	57.6	157.1	356.1	384.9	374.5
60°	337.8	348.3	309.0	138.8	52.4	141.4	303.8	327.3	322.1
62.5°	282.8	295.9	269.7	123.1	44.5	125.7	256.6	280.2	274.9
65°	235.7	246.1	225.2	104.7	39.3	104.7	212.1	233.0	233.0
67.5°	193.8	201.6	185.9	86.4	34.0	86.4	172.8	191.2	193.8
70°	154.5	159.7	146.6	68.1	28.8	70.7	136.2	154.5	154.5
72.5°	120.5	123.1	115.2	55.0	26.2	55.0	104.7	120.5	120.5
75°	86.4	91.6	86.4	41.9	23.6	41.9	81.2	89.0	91.6
77.5°	49.8	62.8	62.8	34.0	18.3	31.4	57.6	60.2	60.2
80°	34.0	39.3	44.5	23.6	13.1	23.6	36.7	39.3	36.7
82.5°	23.6	26.2	26.2	15.7	10.5	15.7	23.6	26.2	23.6
85°	13.1	18.3	18.3	13.1	7.9	10.5	13.1	15.7	13.1
87.5°	7.9	10.5	13.1	10.5	7.9	7.9	7.9	7.9	5.2
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)