

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: P799835

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799835
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 EU6559027 6LBMDDWMW
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

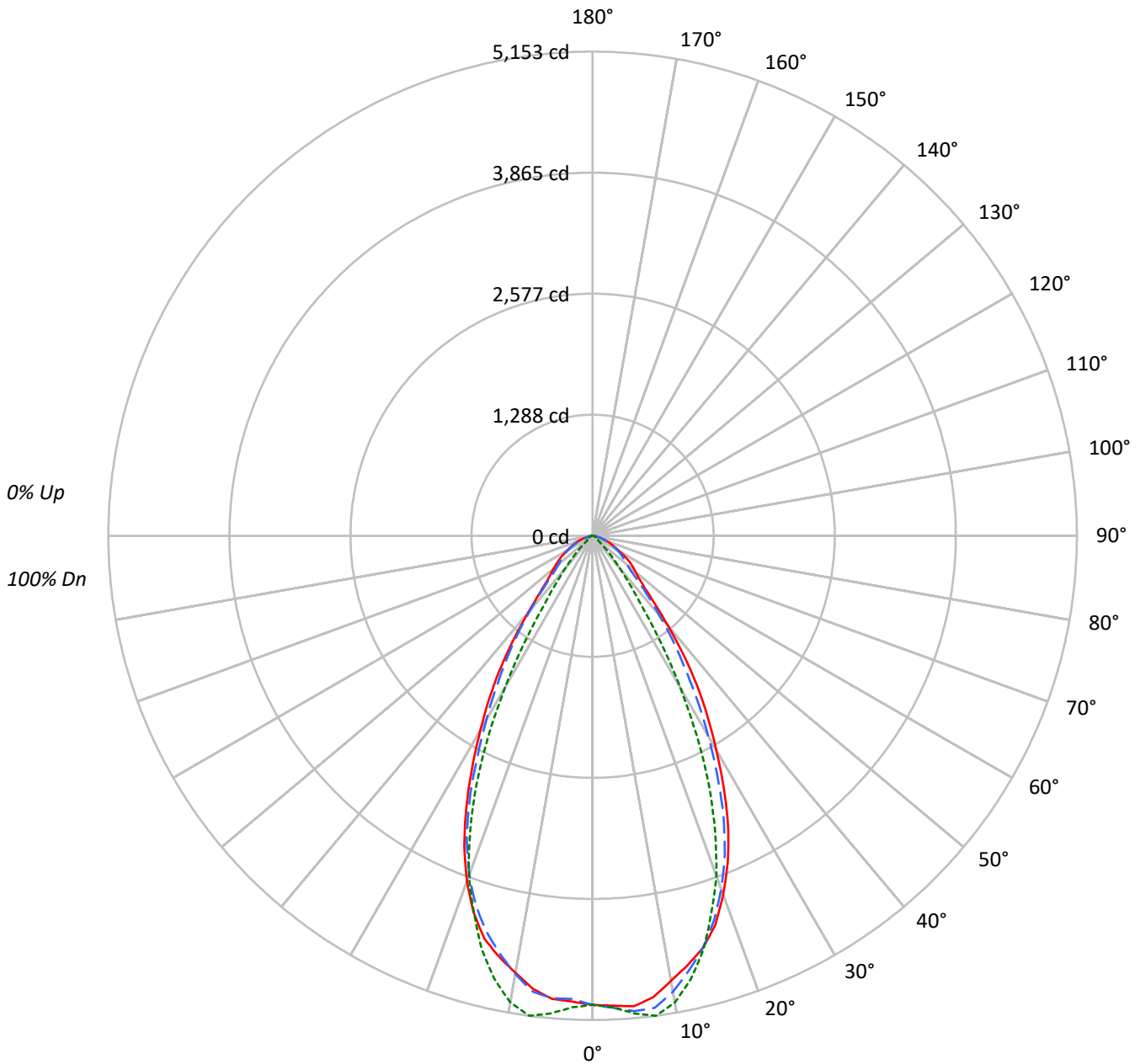
Lumens per Lamp: N/A
Luminaire Lumens: 5083.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799835

CATALOG NUMBER: LD6C55D010 EU6559027 6LBMDDWMW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	273706	273706	273706
5°	276573	280766	272237
10°	267614	280756	262949
15°	257567	258571	252090
20°	237052	224603	228162
25°	206304	177119	192168
30°	166386	117676	150954
35°	129001	60672	113361
40°	88509	31445	76329
45°	60642	15754	53556
50°	50463	6712	45917
55°	45389	5830	41021
60°	35918	5570	34252
65°	29653	4942	29316
70°	24010	4472	24010
75°	17750	4850	18830
80°	10418	4009	11239
85°	7988	4780	7988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.3	9.4
10°-20°	1247.4	24.5
20°-30°	1423.9	28.0
30°-40°	944.3	18.6
40°-50°	455.4	9.0
50°-60°	280.2	5.5
60°-70°	169.5	3.3
70°-80°	71.3	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°	3146.6	61.9
0°-40°	4090.8	80.5
0°-60°	4826.4	95.0
0°-90°	5083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5083.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4993	4993	4993	4993	4993	
5°	5026	5079	5102	4940	4947	472
15°	4538	4538	4556	4363	4442	1265
25°	3411	3296	2928	3098	3177	1547
35°	1928	1699	907	1585	1694	1192
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°	4992.8	4992.8	4992.8	4992.8	4992.8	4992.8	4992.8	4992.8	4992.8
2.5°	5005.5	5013.2	5028.4	5030.9	5023.3	4975.1	4934.4	4949.7	4962.4
5°	5025.9	5041.1	5079.2	5114.7	5102.1	5020.8	4939.5	4937.0	4947.1
7.5°	4952.2	4987.8	5066.5	5155.4	5152.8	5013.2	4893.8	4863.3	4863.3
10°	4807.5	4840.5	4926.8	5046.2	5043.6	4868.4	4736.3	4721.1	4723.7
12.5°	4677.9	4693.2	4736.3	4830.3	4830.3	4657.6	4556.0	4571.3	4591.6
15°	4538.3	4548.4	4538.3	4568.7	4556.0	4413.8	4363.0	4411.3	4441.8
17.5°	4340.2	4345.3	4291.9	4251.3	4203.0	4114.1	4126.8	4198.0	4205.6
20°	4063.4	4096.4	3999.9	3895.7	3850.0	3766.2	3837.3	3916.1	3911.0
22.5°	3758.6	3796.7	3672.3	3499.6	3405.6	3372.6	3499.6	3570.7	3568.1
25°	3410.7	3438.6	3296.4	3055.1	2928.2	2923.1	3098.3	3172.0	3177.0
27.5°	3019.6	3029.7	2869.7	2554.8	2397.4	2435.5	2656.4	2758.0	2770.7
30°	2628.5	2623.4	2458.3	2067.2	1859.0	1963.1	2260.2	2372.0	2384.7
32.5°	2270.4	2255.2	2067.2	1599.9	1351.1	1506.0	1897.1	2013.9	2034.2
35°	1927.6	1902.2	1699.0	1183.5	906.6	1137.7	1584.7	1686.3	1693.9
37.5°	1569.5	1556.8	1396.8	886.3	632.4	863.5	1292.7	1366.3	1358.7
40°	1236.8	1236.8	1104.7	657.8	439.4	642.5	1023.5	1089.5	1066.6
42.5°	970.1	982.8	871.1	485.1	312.4	477.4	810.1	871.1	845.7
45°	782.2	782.2	685.7	360.6	203.2	355.5	640.0	695.8	690.8
47.5°	662.8	652.7	556.2	264.1	111.7	266.7	538.4	607.0	604.4
50°	591.7	576.5	477.4	208.2	78.7	220.9	472.4	535.9	538.4
52.5°	535.9	513.0	429.2	185.4	68.6	193.0	429.2	480.0	480.0
55°	474.9	462.2	386.0	165.1	61.0	172.7	386.0	431.7	429.2
57.5°	401.3	398.7	345.4	149.8	55.9	152.4	345.4	373.3	363.2
60°	327.6	337.8	299.7	134.6	50.8	137.1	294.6	317.4	312.4
62.5°	274.3	287.0	261.6	119.4	43.2	121.9	248.9	271.7	266.7
65°	228.6	238.7	218.4	101.6	38.1	101.6	205.7	226.0	226.0
67.5°	187.9	195.5	180.3	83.8	33.0	83.8	167.6	185.4	187.9
70°	149.8	154.9	142.2	66.0	27.9	68.6	132.1	149.8	149.8
72.5°	116.8	119.4	111.7	53.3	25.4	53.3	101.6	116.8	116.8
75°	83.8	88.9	83.8	40.6	22.9	40.6	78.7	86.3	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)