

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: P799836

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799836
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 6LBMDDWWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

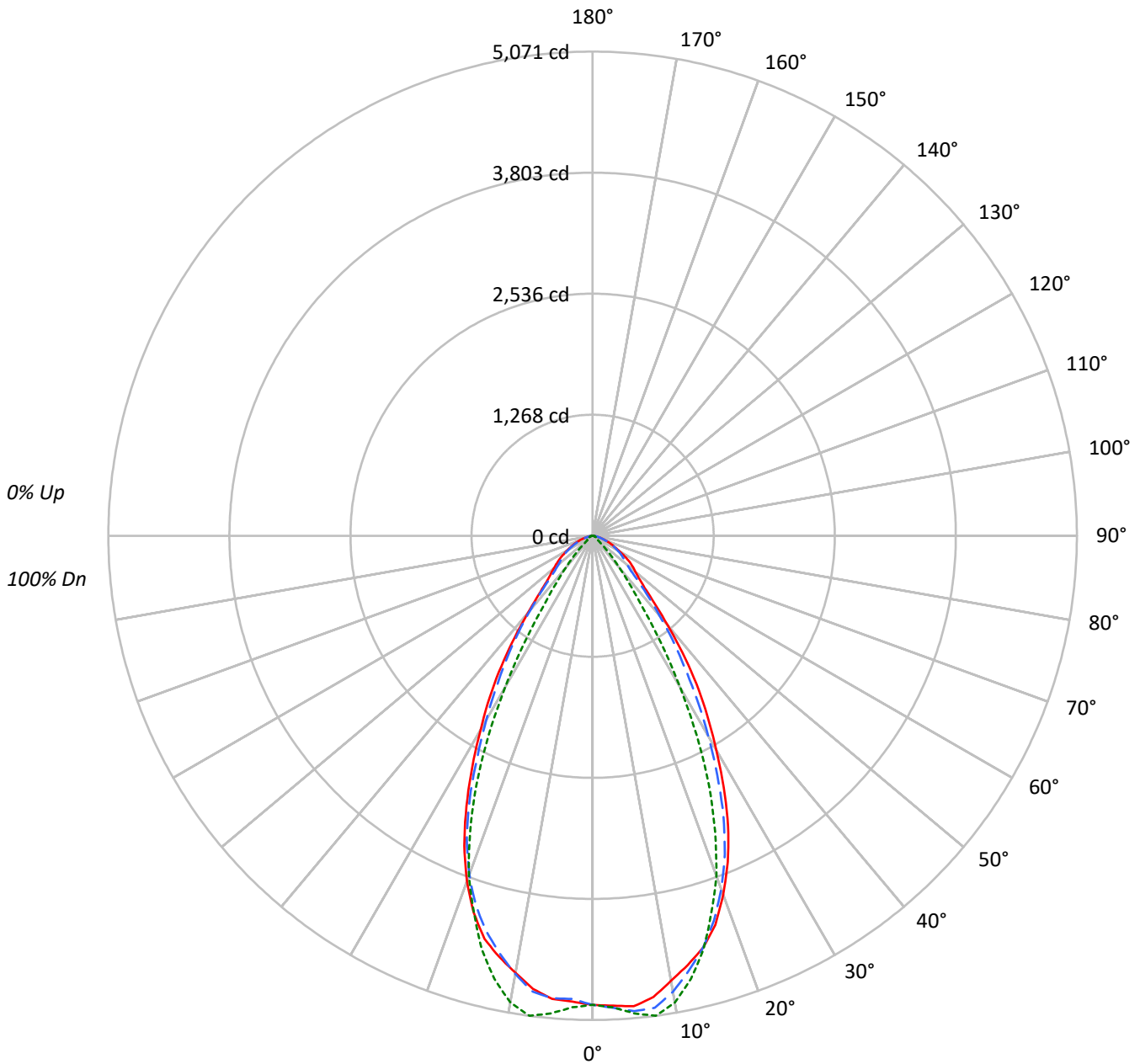
Lumens per Lamp: N/A
Luminaire Lumens: 5002.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	269348	269348	269348
5°	272165	276287	267900
10°	263344	276286	258757
15°	253458	254451	248072
20°	233272	221027	224527
25°	203014	174294	189108
30°	163734	115803	148548
35°	126940	59709	111554
40°	87099	30937	75112
45°	59673	15498	52703
50°	49661	6610	45184
55°	44663	5735	40371
60°	35348	5482	33703
65°	29173	4864	28849
70°	23626	4408	23626
75°	17474	4766	18533
80°	10260	3946	11049
85°	7862	4717	7862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.7	9.4
10°-20°	1227.5	24.5
20°-30°	1401.2	28.0
30°-40°	929.2	18.6
40°-50°	448.2	9.0
50°-60°	275.7	5.5
60°-70°	166.8	3.3
70°-80°	70.2	1.4
80°-90°	15.5	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°	3096.4	61.9
0°-40°	4025.6	80.5
0°-60°	4749.5	95.0
0°-90°	5002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5002.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4913	4913	4913	4913	4913	
5°	4946	4998	5021	4861	4868	465
15°	4466	4466	4483	4294	4371	1245
25°	3356	3244	2882	3049	3126	1522
35°	1897	1672	892	1560	1667	1173
45°	770	675	200	630	680	628
55°	467	380	60	380	422	411
65°	225	215	38	202	222	226
75°	82	82	22	78	88	88
85°	12	18	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°	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3	4913.3
2.5°	4925.8	4933.3	4948.3	4950.8	4943.3	4895.8	4855.8	4870.8	4883.3
5°	4945.8	4960.8	4998.3	5033.2	5020.7	4940.8	4860.8	4858.3	4868.3
7.5°	4873.3	4908.3	4985.8	5073.2	5070.7	4933.3	4815.8	4785.8	4785.8
10°	4730.8	4763.3	4848.3	4965.8	4963.3	4790.8	4660.9	4645.9	4648.4
12.5°	4603.4	4618.4	4660.9	4753.3	4753.3	4583.4	4483.4	4498.4	4518.4
15°	4465.9	4475.9	4465.9	4495.9	4483.4	4343.5	4293.5	4341.0	4371.0
17.5°	4271.0	4276.0	4223.5	4183.5	4136.1	4048.6	4061.1	4131.1	4138.6
20°	3998.6	4031.1	3936.1	3833.7	3788.7	3706.2	3776.2	3853.7	3848.7
22.5°	3698.7	3736.2	3613.7	3443.8	3351.3	3318.8	3443.8	3513.8	3511.3
25°	3356.3	3383.8	3243.9	3006.5	2881.5	2876.5	3048.9	3121.4	3126.4
27.5°	2971.5	2981.5	2824.0	2514.1	2359.2	2396.7	2614.1	2714.1	2726.5
30°	2586.6	2581.6	2419.2	2034.3	1829.4	1931.8	2224.2	2334.2	2346.7
32.5°	2234.2	2219.2	2034.3	1574.5	1329.5	1482.0	1866.8	1981.8	2001.8
35°	1896.8	1871.8	1671.9	1164.6	892.2	1119.6	1559.5	1659.4	1666.9
37.5°	1544.5	1532.0	1374.5	872.2	622.3	849.7	1272.1	1344.5	1337.0
40°	1217.1	1217.1	1087.1	647.3	432.3	632.3	1007.1	1072.1	1049.6
42.5°	954.7	967.2	857.2	477.3	307.4	469.8	797.2	857.2	832.2
45°	769.7	769.7	674.8	354.9	199.9	349.9	629.8	684.8	679.8
47.5°	652.3	642.3	547.3	259.9	110.0	262.4	529.8	597.3	594.8
50°	582.3	567.3	469.8	204.9	77.5	217.4	464.8	527.3	529.8
52.5°	527.3	504.8	422.4	182.4	67.5	189.9	422.4	472.3	472.3
55°	467.3	454.8	379.9	162.4	60.0	169.9	379.9	424.9	422.4
57.5°	394.9	392.4	339.9	147.4	55.0	149.9	339.9	367.4	357.4
60°	322.4	332.4	294.9	132.5	50.0	135.0	289.9	312.4	307.4
62.5°	269.9	282.4	257.4	117.5	42.5	120.0	244.9	267.4	262.4
65°	224.9	234.9	214.9	100.0	37.5	100.0	202.4	222.4	222.4
67.5°	184.9	192.4	177.4	82.5	32.5	82.5	164.9	182.4	184.9
70°	147.4	152.4	140.0	65.0	27.5	67.5	130.0	147.4	147.4
72.5°	115.0	117.5	110.0	52.5	25.0	52.5	100.0	115.0	115.0
75°	82.5	87.5	82.5	40.0	22.5	40.0	77.5	85.0	87.5
77.5°	47.5	60.0	60.0	32.5	17.5	30.0	55.0	57.5	57.5
80°	32.5	37.5	42.5	22.5	12.5	22.5	35.0	37.5	35.0
82.5°	22.5	25.0	25.0	15.0	10.0	15.0	22.5	25.0	22.5
85°	12.5	17.5	17.5	12.5	7.5	10.0	12.5	15.0	12.5
87.5°	7.5	10.0	12.5	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)