

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: P799852

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDSWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C55D010 EU6559030 6LBMDSWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

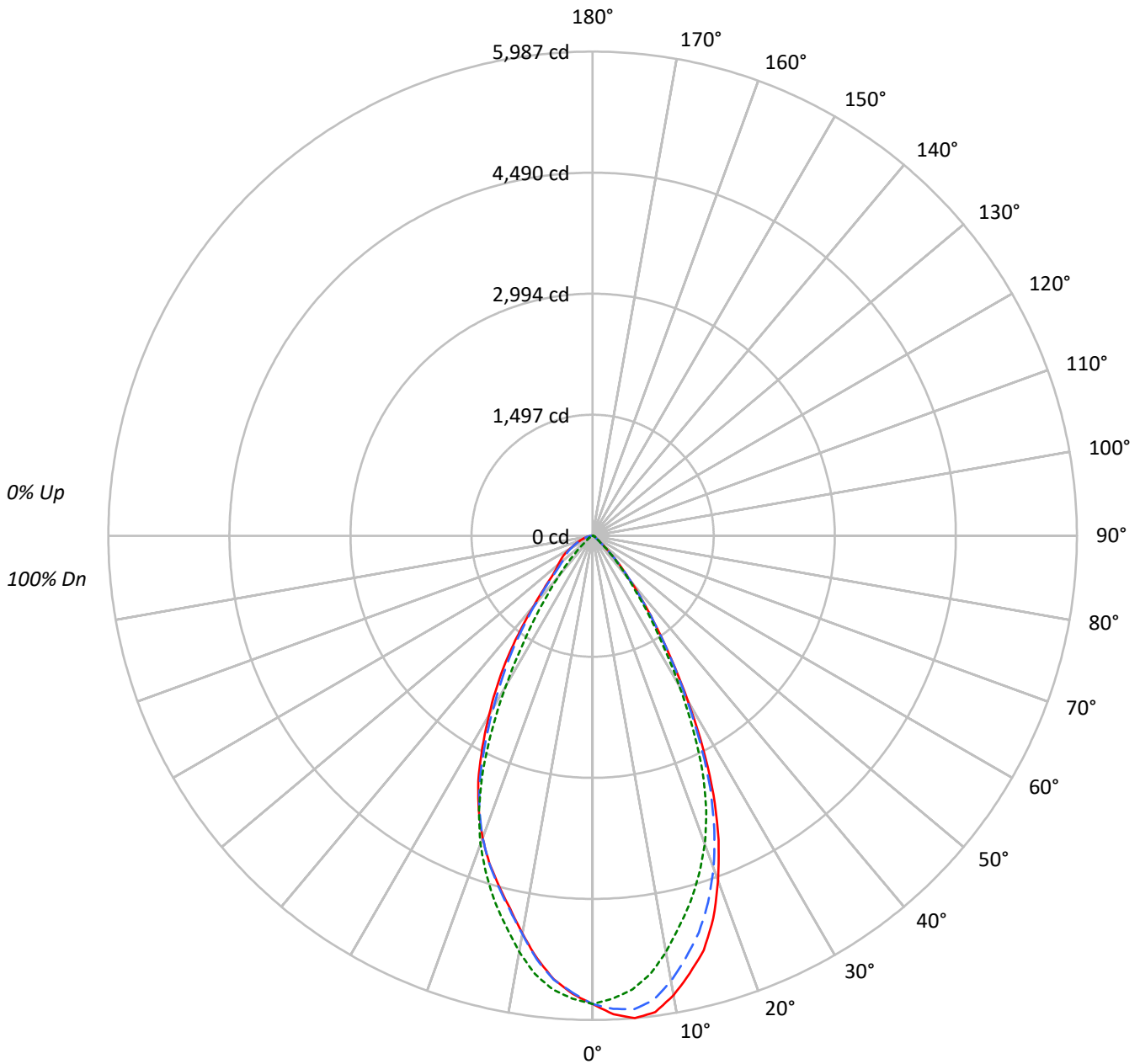
Lumens per Lamp: N/A
Luminaire Lumens: 4985.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799852

CATALOG NUMBER: LD6C55D010 EU6559030 6LBMDSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P799852

CATALOG NUMBER: LD6C55D010 EU6559030 6LBMDSWLI

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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	317409	317409	317409
5°	329479	309960	302954
10°	321053	290743	277951
15°	301103	265666	254179
20°	264337	236504	231989
25°	213793	194298	202306
30°	148630	135350	161911
35°	91604	82911	122195
40°	51840	46473	81152
45°	25173	24010	55386
50°	9586	9586	47077
55°	5257	6203	43449
60°	3837	4934	35600
65°	3243	4216	29160
70°	2805	3606	24026
75°	2648	3707	20630
80°	1578	3157	14996
85°	1572	6290	14152



TEST NUMBER: P799852

CATALOG NUMBER: LD6C55D010 EU6559030 6LBMDSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.1	10.6
10°-20°	1332.2	26.7
20°-30°	1499.7	30.1
30°-40°	928.6	18.6
40°-50°	369.8	7.4
50°-60°	168.4	3.4
60°-70°	96.8	1.9
70°-80°	46.0	0.9
80°-90°	13.4	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°	3362.0	67.4
0°-40°	4290.7	86.1
0°-60°	4828.8	96.9
0°-90°	4985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4985.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5790	5790	5790	5790	5790	
5°	5987	5877	5633	5510	5505	564
15°	5305	5076	4681	4491	4479	1468
25°	3534	3440	3212	3292	3345	1589
35°	1369	1361	1239	1726	1826	880
45°	325	325	310	674	714	275
55°	55	52	65	400	455	55
65°	25	22	32	222	225	24
75°	12	12	18	95	97	13
85°	2	2	10	22	22	2
90°	0	0	0	0	0	



TEST NUMBER: P799852

CATALOG NUMBER: LD6C55D010 EU6559030 6LBMDSWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5790.0	5790.0	5790.0	5790.0	5790.0	5790.0	5790.0	5790.0	5790.0
2.5°	5922.4	5867.4	5855.0	5807.5	5727.6	5682.6	5655.1	5635.1	5670.1
5°	5987.3	5927.4	5877.4	5780.0	5632.6	5550.2	5510.3	5477.8	5505.3
7.5°	5939.9	5855.0	5787.5	5652.6	5465.3	5337.9	5283.0	5245.5	5270.5
10°	5767.5	5665.1	5587.7	5427.8	5223.0	5070.6	5003.2	4968.2	4993.2
12.5°	5542.7	5457.8	5340.4	5165.6	4945.7	4785.9	4735.9	4708.4	4718.4
15°	5305.4	5205.5	5075.6	4900.8	4681.0	4521.1	4491.1	4473.6	4478.6
17.5°	4960.7	4863.3	4750.9	4581.1	4378.7	4248.8	4248.8	4236.4	4243.8
20°	4531.1	4478.6	4368.7	4226.4	4054.0	3936.6	3974.1	3961.6	3976.6
22.5°	4066.5	4026.5	3931.6	3814.2	3669.3	3576.9	3659.3	3656.9	3676.8
25°	3534.5	3504.5	3439.5	3339.6	3212.2	3154.8	3292.2	3292.2	3344.6
27.5°	2947.5	2917.5	2872.5	2787.6	2682.7	2665.2	2867.5	2892.5	2950.0
30°	2348.0	2328.0	2303.0	2225.6	2138.2	2170.6	2450.4	2492.9	2557.8
32.5°	1813.4	1800.9	1793.5	1723.5	1646.1	1753.5	2073.2	2128.2	2193.1
35°	1368.8	1341.3	1361.3	1308.9	1238.9	1373.8	1726.0	1773.5	1825.9
37.5°	1009.1	989.1	1006.6	969.2	906.7	1054.1	1386.3	1416.3	1451.3
40°	724.4	706.9	721.9	699.4	649.4	786.8	1086.6	1119.0	1134.0
42.5°	514.6	484.6	499.6	482.1	457.1	592.0	854.3	884.2	889.2
45°	324.7	314.7	324.7	314.7	309.7	439.6	674.4	701.9	714.4
47.5°	197.3	184.8	184.8	179.8	184.8	324.7	557.0	597.0	617.0
50°	112.4	107.4	104.9	102.4	112.4	254.8	482.1	527.0	552.0
52.5°	74.9	72.4	72.4	69.9	82.4	214.8	434.6	474.6	499.6
55°	55.0	52.5	52.5	52.5	64.9	184.8	399.7	432.1	454.6
57.5°	42.5	42.5	42.5	40.0	55.0	157.4	357.2	374.7	392.2
60°	35.0	32.5	32.5	32.5	45.0	134.9	307.2	314.7	324.7
62.5°	27.5	27.5	27.5	27.5	37.5	119.9	264.8	264.8	269.8
65°	25.0	22.5	22.5	22.5	32.5	104.9	222.3	219.8	224.8
67.5°	20.0	20.0	20.0	20.0	27.5	89.9	182.3	179.8	184.8
70°	17.5	17.5	17.5	17.5	22.5	74.9	147.4	144.9	149.9
72.5°	15.0	15.0	15.0	15.0	20.0	62.4	117.4	117.4	119.9
75°	12.5	12.5	12.5	12.5	17.5	47.5	94.9	94.9	97.4
77.5°	10.0	10.0	10.0	10.0	12.5	37.5	72.4	69.9	69.9
80°	5.0	7.5	7.5	7.5	10.0	27.5	52.5	47.5	47.5
82.5°	2.5	5.0	5.0	5.0	10.0	20.0	35.0	32.5	32.5
85°	2.5	2.5	2.5	7.5	10.0	15.0	22.5	22.5	22.5
87.5°	0.0	2.5	5.0	10.0	12.5	12.5	15.0	12.5	12.5
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)