

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: P799843

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799843
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 EU6559027 6LBMDSWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

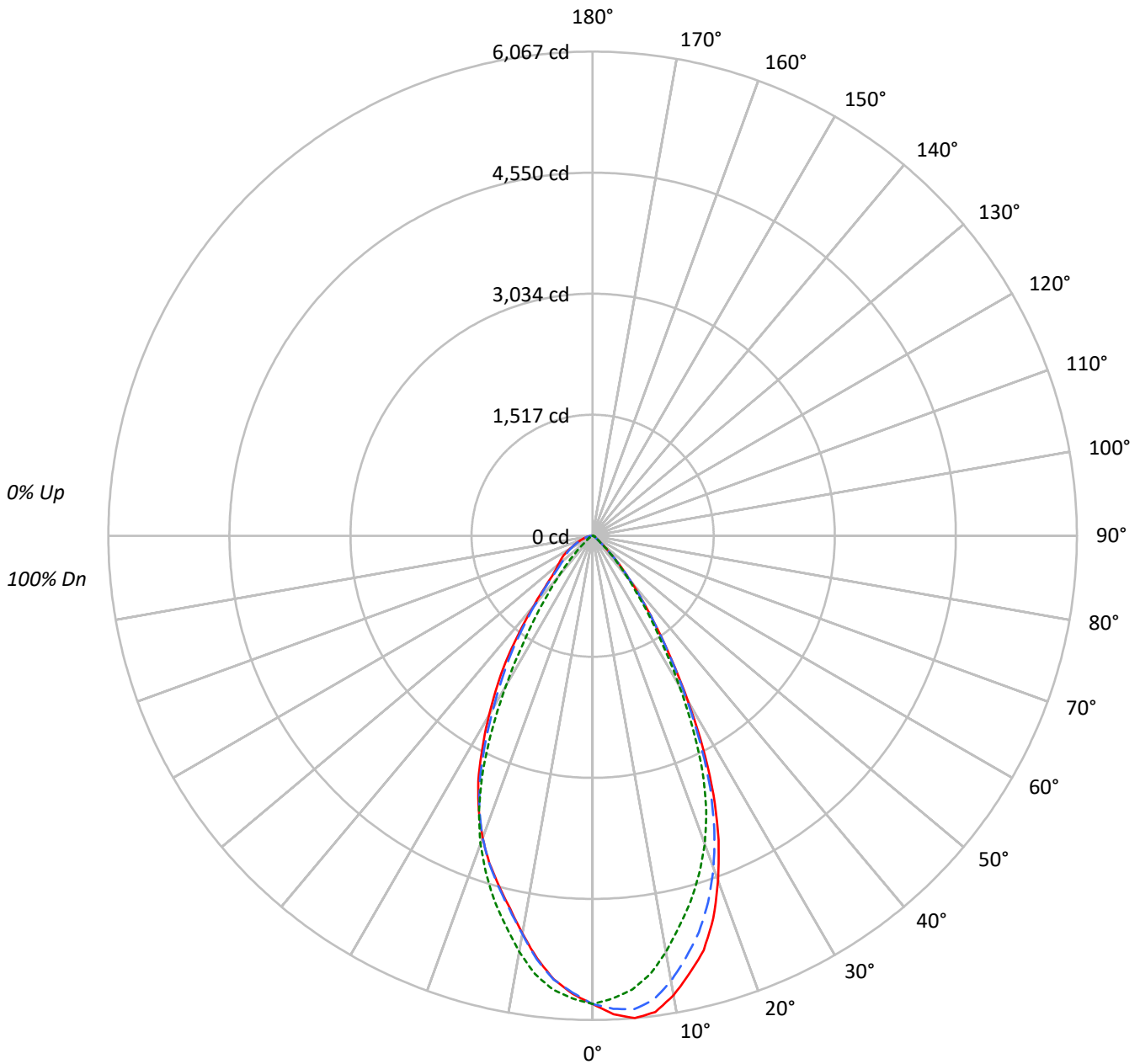
Lumens per Lamp: N/A
Luminaire Lumens: 5051.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	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°	321613	321613	321613
5°	333842	314065	306960
10°	325306	294595	281630
15°	305093	269179	257544
20°	267837	239637	235057
25°	216623	196874	204986
30°	150599	137141	164057
35°	92816	84009	123814
40°	52527	47088	82225
45°	25507	24328	56114
50°	9714	9714	47700
55°	5324	6289	44022
60°	3881	5000	36072
65°	3282	4268	29549
70°	2837	3654	24347
75°	2690	3749	20906
80°	1610	3189	15185
85°	1572	6353	14341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.1	10.6
10°-20°	1349.9	26.7
20°-30°	1519.6	30.1
30°-40°	940.9	18.6
40°-50°	374.7	7.4
50°-60°	170.6	3.4
60°-70°	98.1	1.9
70°-80°	46.6	0.9
80°-90°	13.6	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°	3406.5	67.4
0°-40°	4347.5	86.1
0°-60°	4892.8	96.9
0°-90°	5051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5051.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5867	5867	5867	5867	5867	
5°	6067	5955	5707	5583	5578	571
15°	5376	5143	4743	4551	4538	1487
25°	3581	3485	3255	3336	3389	1610
35°	1387	1379	1255	1749	1850	891
45°	329	329	314	683	724	279
55°	56	53	66	405	461	55
65°	25	23	33	225	228	25
75°	13	13	18	96	99	13
85°	2	2	10	23	23	2
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°	5866.7	5866.7	5866.7	5866.7	5866.7	5866.7	5866.7	5866.7	5866.7
2.5°	6000.8	5945.1	5932.5	5884.4	5803.4	5757.8	5730.0	5709.8	5745.2
5°	6066.6	6005.9	5955.3	5856.5	5707.2	5623.7	5583.2	5550.3	5578.1
7.5°	6018.5	5932.5	5864.1	5727.5	5537.7	5408.6	5352.9	5314.9	5340.2
10°	5843.9	5740.1	5661.7	5499.7	5292.2	5137.8	5069.4	5034.0	5059.3
12.5°	5616.1	5530.1	5411.1	5233.9	5011.2	4849.2	4798.6	4770.8	4780.9
15°	5375.7	5274.4	5142.8	4965.7	4742.9	4581.0	4550.6	4532.9	4537.9
17.5°	5026.4	4927.7	4813.8	4641.7	4436.7	4305.1	4305.1	4292.4	4300.0
20°	4591.1	4537.9	4426.6	4282.3	4107.7	3988.7	4026.7	4014.0	4029.2
22.5°	4120.3	4079.8	3983.7	3864.7	3717.9	3624.3	3707.8	3705.3	3725.5
25°	3581.3	3550.9	3485.1	3383.8	3254.8	3196.6	3335.8	3335.8	3388.9
27.5°	2986.5	2956.1	2910.6	2824.5	2718.2	2700.5	2905.5	2930.8	2989.0
30°	2379.1	2358.8	2333.5	2255.0	2166.5	2199.4	2482.8	2525.9	2591.7
32.5°	1837.4	1824.8	1817.2	1746.3	1667.9	1776.7	2100.7	2156.3	2222.1
35°	1386.9	1359.1	1379.4	1326.2	1255.3	1392.0	1748.9	1797.0	1850.1
37.5°	1022.5	1002.2	1020.0	982.0	918.7	1068.0	1404.7	1435.0	1470.5
40°	734.0	716.3	731.4	708.7	658.0	797.2	1101.0	1133.9	1149.0
42.5°	521.4	491.0	506.2	488.5	463.2	599.8	865.6	895.9	901.0
45°	329.0	318.9	329.0	318.9	313.8	445.4	683.3	711.2	723.8
47.5°	199.9	187.3	187.3	182.2	187.3	329.0	564.4	604.9	625.1
50°	113.9	108.8	106.3	103.8	113.9	258.2	488.5	534.0	559.3
52.5°	75.9	73.4	73.4	70.9	83.5	217.7	440.4	480.9	506.2
55°	55.7	53.1	53.1	53.1	65.8	187.3	404.9	437.8	460.6
57.5°	43.0	43.0	43.0	40.5	55.7	159.4	361.9	379.6	397.4
60°	35.4	32.9	32.9	32.9	45.6	136.7	311.3	318.9	329.0
62.5°	27.8	27.8	27.8	27.8	38.0	121.5	268.3	268.3	273.3
65°	25.3	22.8	22.8	22.8	32.9	106.3	225.3	222.7	227.8
67.5°	20.2	20.2	20.2	20.2	27.8	91.1	184.8	182.2	187.3
70°	17.7	17.7	17.7	17.7	22.8	75.9	149.3	146.8	151.9
72.5°	15.2	15.2	15.2	15.2	20.2	63.3	119.0	119.0	121.5
75°	12.7	12.7	12.7	12.7	17.7	48.1	96.2	96.2	98.7
77.5°	10.1	10.1	10.1	10.1	12.7	38.0	73.4	70.9	70.9
80°	5.1	7.6	7.6	7.6	10.1	27.8	53.1	48.1	48.1
82.5°	2.5	5.1	5.1	5.1	10.1	20.2	35.4	32.9	32.9
85°	2.5	2.5	2.5	7.6	10.1	15.2	22.8	22.8	22.8
87.5°	0.0	2.5	5.1	10.1	12.7	12.7	15.2	12.7	12.7
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)