

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: P799875

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799875
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 EU6559040 6LBMDSWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

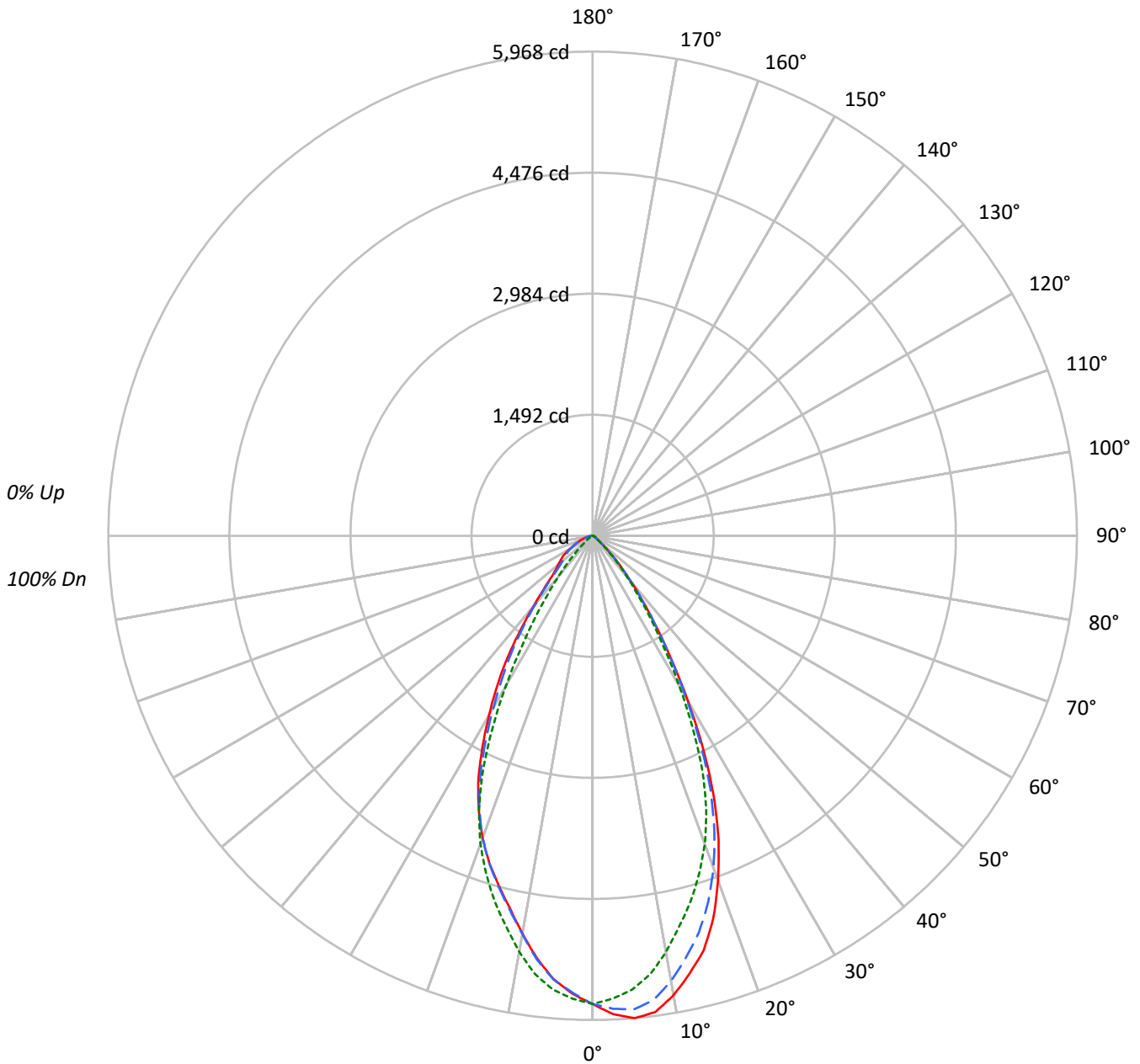
Lumens per Lamp: N/A
Luminaire Lumens: 4969.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	316389	316389	316389
5°	328422	308969	301980
10°	320023	289808	277060
15°	300138	264809	253367
20°	263491	235745	231242
25°	213103	193674	201659
30°	148149	134913	161392
35°	91310	82650	121807
40°	51675	46330	80894
45°	25096	23933	55207
50°	9552	9552	46932
55°	5238	6184	43306
60°	3826	4912	35491
65°	3230	4203	29069
70°	2789	3590	23946
75°	2626	3685	20567
80°	1578	3157	14932
85°	1572	6290	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.4	10.6
10°-20°	1328.0	26.7
20°-30°	1494.9	30.1
30°-40°	925.7	18.6
40°-50°	368.6	7.4
50°-60°	167.8	3.4
60°-70°	96.5	1.9
70°-80°	45.8	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°	3351.2	67.4
0°-40°	4276.9	86.1
0°-60°	4813.4	96.9
0°-90°	4969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4969.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5771	5771	5771	5771	5771	
5°	5968	5859	5615	5493	5488	562
15°	5288	5059	4666	4477	4464	1463
25°	3523	3428	3202	3282	3334	1584
35°	1364	1357	1235	1720	1820	877
45°	324	324	309	672	712	274
55°	55	52	65	398	453	54
65°	25	22	32	222	224	24
75°	12	12	17	95	97	13
85°	2	2	10	22	22	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°	5771.4	5771.4	5771.4	5771.4	5771.4	5771.4	5771.4	5771.4	5771.4
2.5°	5903.4	5848.6	5836.2	5788.9	5709.2	5664.4	5637.0	5617.1	5651.9
5°	5968.1	5908.4	5858.6	5761.5	5614.6	5532.4	5492.6	5460.2	5487.6
7.5°	5920.8	5836.2	5768.9	5634.5	5447.8	5320.8	5266.0	5228.6	5253.5
10°	5749.0	5646.9	5569.8	5410.4	5206.2	5054.4	4987.1	4952.3	4977.2
12.5°	5524.9	5440.3	5323.3	5149.0	4929.9	4770.5	4720.7	4693.3	4703.3
15°	5288.4	5188.8	5059.3	4885.1	4665.9	4506.6	4476.7	4459.3	4464.3
17.5°	4944.8	4847.7	4735.7	4566.4	4364.7	4235.2	4235.2	4222.8	4230.2
20°	4516.6	4464.3	4354.7	4212.8	4041.0	3924.0	3961.3	3948.9	3963.8
22.5°	4053.4	4013.6	3919.0	3802.0	3657.6	3565.4	3647.6	3645.1	3665.0
25°	3523.1	3493.2	3428.5	3328.9	3201.9	3144.7	3281.6	3281.6	3333.9
27.5°	2938.0	2908.1	2863.3	2778.7	2674.1	2656.7	2858.3	2883.2	2940.5
30°	2340.4	2320.5	2295.6	2218.4	2131.3	2163.7	2442.5	2484.9	2549.6
32.5°	1807.6	1795.2	1787.7	1718.0	1640.8	1747.9	2066.6	2121.3	2186.1
35°	1364.4	1337.0	1357.0	1304.7	1235.0	1369.4	1720.5	1767.8	1820.1
37.5°	1005.9	986.0	1003.4	966.1	903.8	1050.7	1381.9	1411.7	1446.6
40°	722.1	704.6	719.6	697.2	647.4	784.3	1083.1	1115.4	1130.4
42.5°	512.9	483.0	498.0	480.5	455.6	590.1	851.5	881.4	886.4
45°	323.7	313.7	323.7	313.7	308.7	438.2	672.3	699.6	712.1
47.5°	196.7	184.2	184.2	179.3	184.2	323.7	555.2	595.1	615.0
50°	112.0	107.1	104.6	102.1	112.0	254.0	480.5	525.4	550.3
52.5°	74.7	72.2	72.2	69.7	82.2	214.1	433.2	473.1	498.0
55°	54.8	52.3	52.3	52.3	64.7	184.2	398.4	430.7	453.1
57.5°	42.3	42.3	42.3	39.8	54.8	156.9	356.0	373.5	390.9
60°	34.9	32.4	32.4	32.4	44.8	134.5	306.2	313.7	323.7
62.5°	27.4	27.4	27.4	27.4	37.3	119.5	263.9	263.9	268.9
65°	24.9	22.4	22.4	22.4	32.4	104.6	221.6	219.1	224.1
67.5°	19.9	19.9	19.9	19.9	27.4	89.6	181.8	179.3	184.2
70°	17.4	17.4	17.4	17.4	22.4	74.7	146.9	144.4	149.4
72.5°	14.9	14.9	14.9	14.9	19.9	62.2	117.0	117.0	119.5
75°	12.4	12.4	12.4	12.4	17.4	47.3	94.6	94.6	97.1
77.5°	10.0	10.0	10.0	10.0	12.4	37.3	72.2	69.7	69.7
80°	5.0	7.5	7.5	7.5	10.0	27.4	52.3	47.3	47.3
82.5°	2.5	5.0	5.0	5.0	10.0	19.9	34.9	32.4	32.4
85°	2.5	2.5	2.5	7.5	10.0	14.9	22.4	22.4	22.4
87.5°	0.0	2.5	5.0	10.0	12.4	12.4	14.9	12.4	12.4
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)