

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: P799858

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799858
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 EU6559035 6LBMDDWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

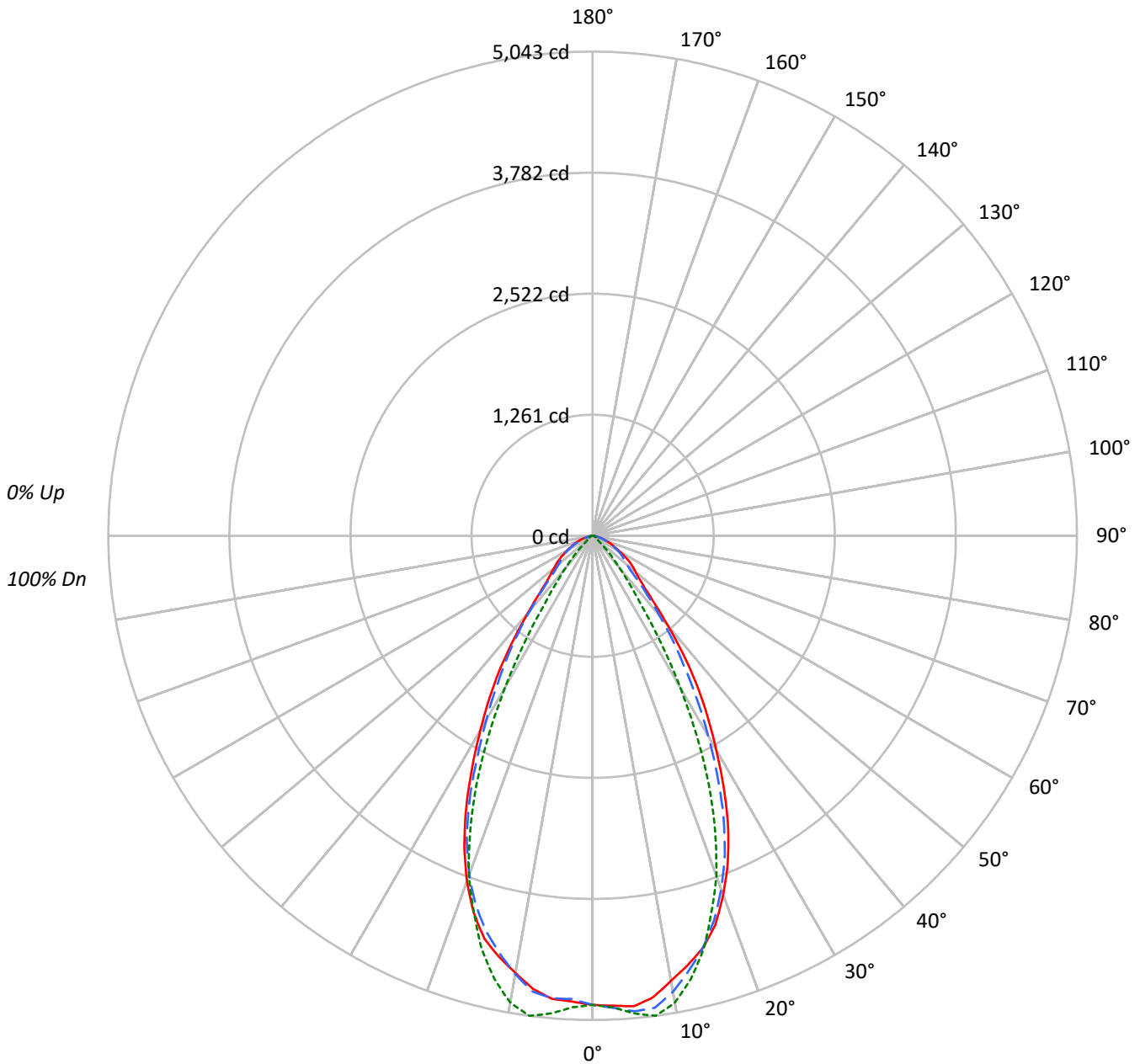
Lumens per Lamp: N/A
Luminaire Lumens: 4975.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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			
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°	267895	267895	267895
5°	270696	274796	266453
10°	261925	274795	257360
15°	252090	253078	246732
20°	232012	219831	223314
25°	201919	173351	188085
30°	162848	115176	147744
35°	126257	59388	110952
40°	86627	30772	74711
45°	59355	15420	52416
50°	49397	6575	44945
55°	44424	5706	40151
60°	35151	5449	33517
65°	29017	4838	28693
70°	23514	4376	23514
75°	17368	4745	18427
80°	10197	3915	10986
85°	7799	4717	7799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.2	9.4
10°-20°	1220.9	24.5
20°-30°	1393.6	28.0
30°-40°	924.2	18.6
40°-50°	445.8	9.0
50°-60°	274.2	5.5
60°-70°	165.9	3.3
70°-80°	69.8	1.4
80°-90°	15.4	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°	3079.7	61.9
0°-40°	4003.9	80.5
0°-60°	4723.9	95.0
0°-90°	4975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4975.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4887	4887	4887	4887	4887	
5°	4919	4971	4994	4835	4842	462
15°	4442	4442	4459	4270	4347	1238
25°	3338	3226	2866	3032	3110	1514
35°	1887	1663	887	1551	1658	1167
45°	766	671	199	626	676	624
55°	465	378	60	378	420	409
65°	224	214	37	201	221	225
75°	82	82	22	77	87	88
85°	12	17	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°	4886.8	4886.8	4886.8	4886.8	4886.8	4886.8	4886.8	4886.8	4886.8
2.5°	4899.2	4906.6	4921.6	4924.0	4916.6	4869.4	4829.6	4844.5	4856.9
5°	4919.1	4934.0	4971.3	5006.1	4993.6	4914.1	4834.6	4832.1	4842.0
7.5°	4847.0	4881.8	4958.8	5045.8	5043.4	4906.6	4789.8	4760.0	4760.0
10°	4705.3	4737.6	4822.1	4939.0	4936.5	4765.0	4635.7	4620.8	4623.3
12.5°	4578.5	4593.5	4635.7	4727.7	4727.7	4558.7	4459.2	4474.1	4494.0
15°	4441.8	4451.8	4441.8	4471.7	4459.2	4320.0	4270.3	4317.6	4347.4
17.5°	4248.0	4252.9	4200.7	4161.0	4113.7	4026.7	4039.2	4108.8	4116.2
20°	3977.0	4009.3	3914.9	3813.0	3768.2	3686.2	3755.8	3832.9	3827.9
22.5°	3678.7	3716.0	3594.2	3425.2	3333.2	3300.9	3425.2	3494.8	3492.3
25°	3338.2	3365.6	3226.4	2990.2	2865.9	2861.0	3032.5	3104.6	3109.5
27.5°	2955.4	2965.4	2808.8	2500.6	2346.4	2383.7	2600.0	2699.4	2711.8
30°	2572.6	2567.7	2406.1	2023.3	1819.5	1921.4	2212.2	2321.6	2334.0
32.5°	2222.2	2207.2	2023.3	1566.0	1322.4	1474.0	1856.8	1971.1	1991.0
35°	1886.6	1861.7	1662.9	1158.3	887.4	1113.6	1551.0	1650.5	1657.9
37.5°	1536.1	1523.7	1367.1	867.5	618.9	845.1	1265.2	1337.3	1329.8
40°	1210.5	1210.5	1081.3	643.8	430.0	628.9	1001.7	1066.3	1044.0
42.5°	949.5	961.9	852.6	474.8	305.7	467.3	792.9	852.6	827.7
45°	765.6	765.6	671.1	353.0	198.9	348.0	626.4	681.1	676.1
47.5°	648.8	638.8	544.4	258.5	109.4	261.0	527.0	594.1	591.6
50°	579.2	564.2	467.3	203.8	77.1	216.3	462.3	524.5	527.0
52.5°	524.5	502.1	420.1	181.5	67.1	188.9	420.1	469.8	469.8
55°	464.8	452.4	377.8	161.6	59.7	169.0	377.8	422.6	420.1
57.5°	392.7	390.2	338.0	146.7	54.7	149.1	338.0	365.4	355.4
60°	320.6	330.6	293.3	131.7	49.7	134.2	288.3	310.7	305.7
62.5°	268.4	280.9	256.0	116.8	42.3	119.3	243.6	266.0	261.0
65°	223.7	233.6	213.8	99.4	37.3	99.4	201.3	221.2	221.2
67.5°	183.9	191.4	176.5	82.0	32.3	82.0	164.1	181.5	183.9
70°	146.7	151.6	139.2	64.6	27.3	67.1	129.3	146.7	146.7
72.5°	114.3	116.8	109.4	52.2	24.9	52.2	99.4	114.3	114.3
75°	82.0	87.0	82.0	39.8	22.4	39.8	77.1	84.5	87.0
77.5°	47.2	59.7	59.7	32.3	17.4	29.8	54.7	57.2	57.2
80°	32.3	37.3	42.3	22.4	12.4	22.4	34.8	37.3	34.8
82.5°	22.4	24.9	24.9	14.9	9.9	14.9	22.4	24.9	22.4
85°	12.4	17.4	17.4	12.4	7.5	9.9	12.4	14.9	12.4
87.5°	7.5	9.9	12.4	9.9	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)