

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: P799845

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799845
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 EU6559030 6LBMDDWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

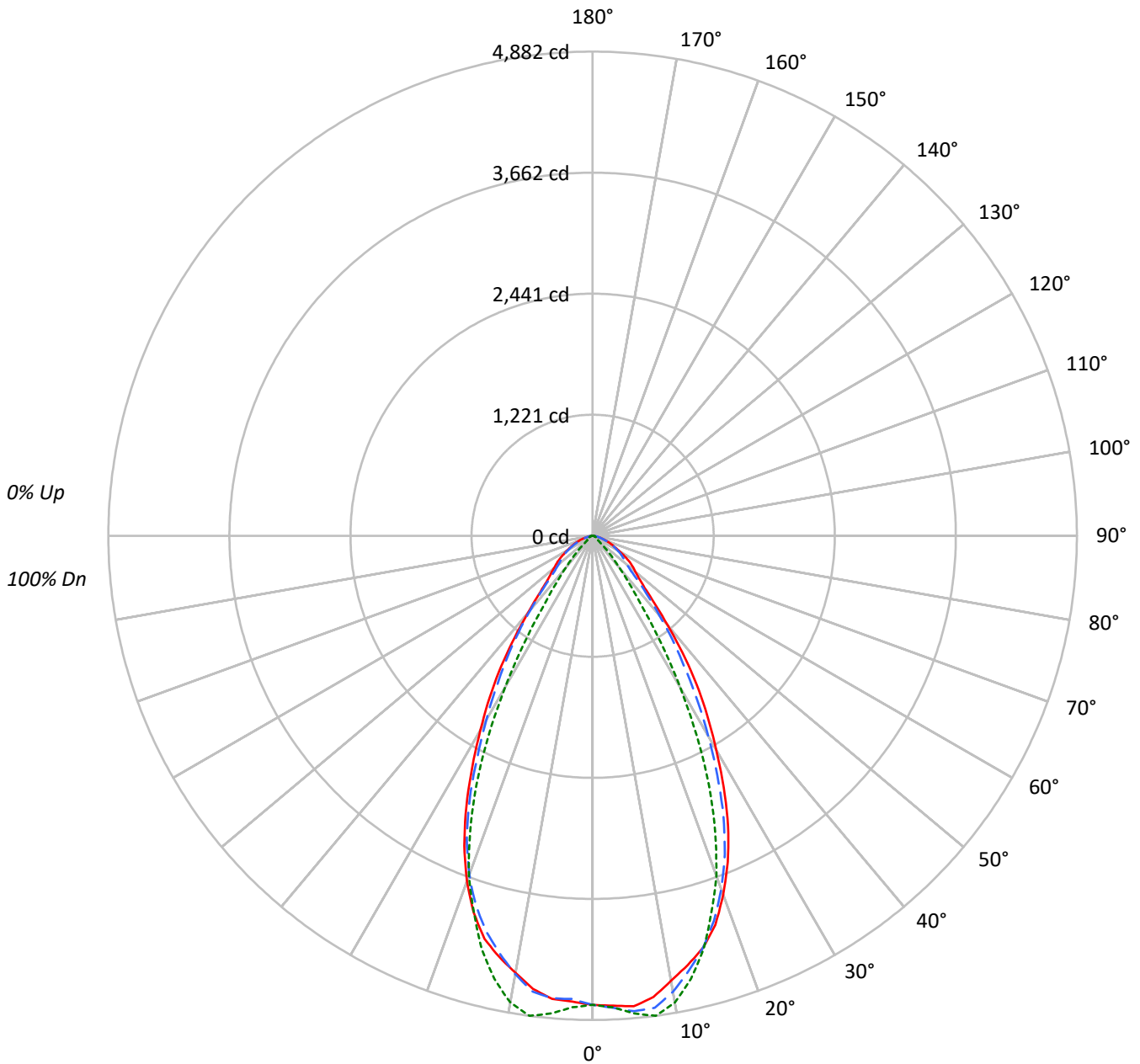
Lumens per Lamp: N/A
Luminaire Lumens: 4816.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				100				
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91				
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59				
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51				
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48				
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	259332	259332	259332
5°	262045	266013	257940
10°	253552	266010	249133
15°	244037	244990	238844
20°	224597	212807	216173
25°	195465	167810	182079
30°	157645	111492	143022
35°	122222	57487	107405
40°	83857	29792	72321
45°	57456	14924	50742
50°	47811	6362	43504
55°	43009	5515	38861
60°	34032	5274	32454
65°	28096	4683	27785
70°	22760	4248	22760
75°	16818	4596	17834
80°	9881	3788	10639
85°	7548	4529	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.3	9.4
10°-20°	1181.9	24.5
20°-30°	1349.1	28.0
30°-40°	894.7	18.6
40°-50°	431.5	9.0
50°-60°	265.4	5.5
60°-70°	160.6	3.3
70°-80°	67.6	1.4
80°-90°	14.9	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°	2981.3	61.9
0°-40°	3875.9	80.5
0°-60°	4572.9	95.0
0°-90°	4816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4816.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4731	4731	4731	4731	4731	
5°	4762	4812	4834	4680	4687	447
15°	4300	4300	4317	4134	4208	1198
25°	3232	3123	2774	2936	3010	1465
35°	1826	1610	859	1502	1605	1130
45°	741	650	192	606	654	604
55°	450	366	58	366	407	396
65°	217	207	36	195	214	218
75°	79	79	22	75	84	85
85°	12	17	7	12	12	15
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°	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6
2.5°	4742.6	4749.8	4764.3	4766.7	4759.5	4713.7	4675.2	4689.7	4701.7
5°	4761.9	4776.3	4812.4	4846.1	4834.0	4757.1	4680.1	4677.6	4687.3
7.5°	4692.1	4725.8	4800.4	4884.6	4882.2	4749.8	4636.7	4607.9	4607.9
10°	4554.9	4586.2	4668.0	4781.1	4778.7	4612.7	4487.6	4473.1	4475.5
12.5°	4432.2	4446.7	4487.6	4576.6	4576.6	4413.0	4316.7	4331.2	4350.4
15°	4299.9	4309.5	4299.9	4328.7	4316.7	4182.0	4133.8	4179.6	4208.4
17.5°	4112.2	4117.0	4066.5	4028.0	3982.3	3898.0	3910.1	3977.4	3984.7
20°	3849.9	3881.2	3789.8	3691.1	3647.8	3568.4	3635.8	3710.4	3705.5
22.5°	3561.2	3597.3	3479.4	3315.7	3226.7	3195.4	3315.7	3383.1	3380.7
25°	3231.5	3258.0	3123.2	2894.7	2774.3	2769.5	2935.6	3005.3	3010.2
27.5°	2861.0	2870.6	2719.0	2420.6	2271.4	2307.5	2516.9	2613.1	2625.2
30°	2490.4	2485.6	2329.2	1958.6	1761.3	1860.0	2141.5	2247.4	2259.4
32.5°	2151.1	2136.7	1958.6	1515.9	1280.1	1426.9	1797.4	1908.1	1927.4
35°	1826.3	1802.2	1609.7	1121.3	859.0	1078.0	1501.5	1597.7	1604.9
37.5°	1487.0	1475.0	1323.4	839.8	599.1	818.1	1224.8	1294.5	1287.3
40°	1171.8	1171.8	1046.7	623.2	416.3	608.8	969.7	1032.3	1010.6
42.5°	919.2	931.2	825.3	459.6	296.0	452.4	767.6	825.3	801.3
45°	741.1	741.1	649.7	341.7	192.5	336.9	606.4	659.3	654.5
47.5°	628.0	618.4	527.0	250.2	105.9	252.7	510.1	575.1	572.7
50°	560.6	546.2	452.4	197.3	74.6	209.3	447.6	507.7	510.1
52.5°	507.7	486.1	406.6	175.7	65.0	182.9	406.6	454.8	454.8
55°	450.0	437.9	365.7	156.4	57.7	163.6	365.7	409.1	406.6
57.5°	380.2	377.8	327.2	142.0	52.9	144.4	327.2	353.7	344.1
60°	310.4	320.0	283.9	127.5	48.1	129.9	279.1	300.8	296.0
62.5°	259.9	271.9	247.8	113.1	40.9	115.5	235.8	257.5	252.7
65°	216.6	226.2	206.9	96.2	36.1	96.2	194.9	214.2	214.2
67.5°	178.1	185.3	170.8	79.4	31.3	79.4	158.8	175.7	178.1
70°	142.0	146.8	134.7	62.6	26.5	65.0	125.1	142.0	142.0
72.5°	110.7	113.1	105.9	50.5	24.1	50.5	96.2	110.7	110.7
75°	79.4	84.2	79.4	38.5	21.7	38.5	74.6	81.8	84.2
77.5°	45.7	57.7	57.7	31.3	16.8	28.9	52.9	55.3	55.3
80°	31.3	36.1	40.9	21.7	12.0	21.7	33.7	36.1	33.7
82.5°	21.7	24.1	24.1	14.4	9.6	14.4	21.7	24.1	21.7
85°	12.0	16.8	16.8	12.0	7.2	9.6	12.0	14.4	12.0
87.5°	7.2	9.6	12.0	9.6	7.2	7.2	7.2	7.2	4.8
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)