

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: P799832

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799832
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 EU6559027 6LBMDDWGPH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

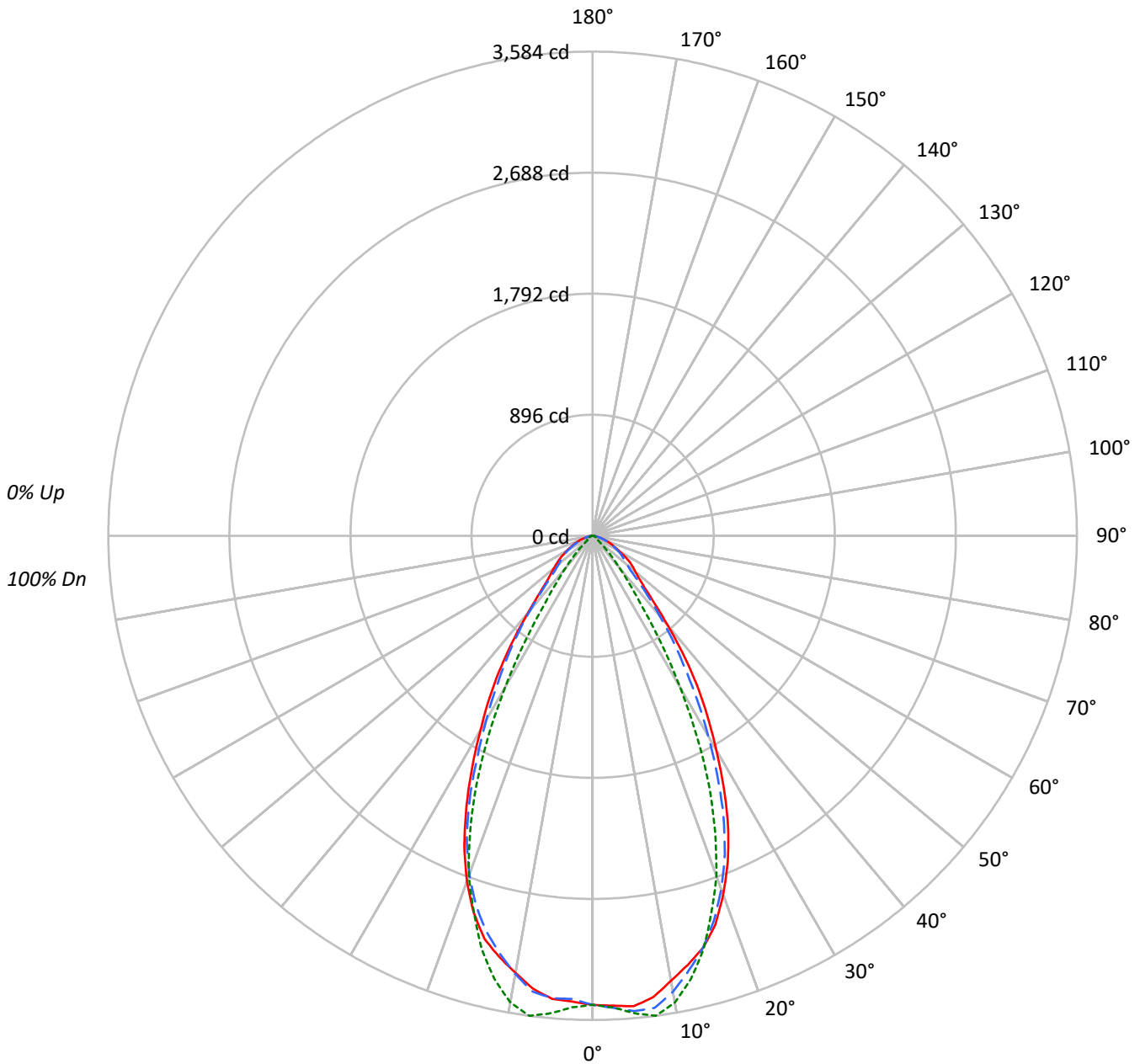
Lumens per Lamp: N/A
Luminaire Lumens: 3535.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	190352	190352	190352
5°	192345	195256	189329
10°	186113	195254	182868
15°	179127	179825	175313
20°	164859	156201	158675
25°	143476	123176	133647
30°	115714	81835	104978
35°	89710	42195	78835
40°	61551	21862	53085
45°	42175	10955	37244
50°	35095	4674	31931
55°	31569	4052	28529
60°	24976	3870	23814
65°	20625	3437	20391
70°	16702	3109	16702
75°	12348	3368	13090
80°	7261	2778	7798
85°	5535	3334	5535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.5	9.4
10°-20°	867.5	24.5
20°-30°	990.2	28.0
30°-40°	656.7	18.6
40°-50°	316.7	9.0
50°-60°	194.8	5.5
60°-70°	117.9	3.3
70°-80°	49.6	1.4
80°-90°	11.0	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°	2188.3	61.9
0°-40°	2845.0	80.5
0°-60°	3356.6	95.0
0°-90°	3535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3535.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3472	3472	3472	3472	3472	
5°	3495	3532	3548	3435	3440	328
15°	3156	3156	3168	3034	3089	880
25°	2372	2292	2036	2155	2210	1076
35°	1340	1182	630	1102	1178	829
45°	544	477	141	445	480	444
55°	330	268	42	268	298	290
65°	159	152	26	143	157	160
75°	58	58	16	55	62	62
85°	9	12	5	9	9	11
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°	3472.3	3472.3	3472.3	3472.3	3472.3	3472.3	3472.3	3472.3	3472.3
2.5°	3481.1	3486.4	3497.0	3498.8	3493.5	3459.9	3431.7	3442.3	3451.1
5°	3495.3	3505.9	3532.4	3557.1	3548.2	3491.7	3435.2	3433.4	3440.5
7.5°	3444.0	3468.8	3523.5	3585.3	3583.6	3486.4	3403.4	3382.2	3382.2
10°	3343.4	3366.3	3426.4	3509.4	3507.6	3385.8	3293.9	3283.3	3285.1
12.5°	3253.3	3263.9	3293.9	3359.3	3359.3	3239.2	3168.5	3179.1	3193.2
15°	3156.2	3163.2	3156.2	3177.4	3168.5	3069.6	3034.3	3067.8	3089.0
17.5°	3018.4	3021.9	2984.8	2956.6	2923.0	2861.2	2870.0	2919.5	2924.8
20°	2825.9	2848.8	2781.7	2709.3	2677.5	2619.2	2668.7	2723.4	2719.9
22.5°	2613.9	2640.4	2553.9	2433.8	2368.4	2345.5	2433.8	2483.2	2481.5
25°	2372.0	2391.4	2292.5	2124.7	2036.4	2032.9	2154.7	2206.0	2209.5
27.5°	2100.0	2107.0	1995.8	1776.8	1667.3	1693.8	1847.4	1918.1	1926.9
30°	1828.0	1824.5	1709.7	1437.7	1292.8	1365.3	1571.9	1649.6	1658.4
32.5°	1579.0	1568.4	1437.7	1112.7	939.6	1047.3	1319.3	1400.6	1414.7
35°	1340.5	1322.9	1181.6	823.0	630.5	791.2	1102.1	1172.7	1178.0
37.5°	1091.5	1082.7	971.4	616.4	439.8	600.5	899.0	950.2	944.9
40°	860.1	860.1	768.3	457.4	305.5	446.8	711.8	757.7	741.8
42.5°	674.7	683.5	605.8	337.3	217.2	332.0	563.4	605.8	588.1
45°	544.0	544.0	476.9	250.8	141.3	247.3	445.1	483.9	480.4
47.5°	461.0	453.9	386.8	183.7	77.7	185.4	374.4	422.1	420.4
50°	411.5	400.9	332.0	144.8	54.8	153.7	328.5	372.7	374.4
52.5°	372.7	356.8	298.5	128.9	47.7	134.2	298.5	333.8	333.8
55°	330.3	321.4	268.5	114.8	42.4	120.1	268.5	300.3	298.5
57.5°	279.1	277.3	240.2	104.2	38.9	106.0	240.2	259.6	252.6
60°	227.8	234.9	208.4	93.6	35.3	95.4	204.9	220.8	217.2
62.5°	190.7	199.6	181.9	83.0	30.0	84.8	173.1	189.0	185.4
65°	159.0	166.0	151.9	70.6	26.5	70.6	143.1	157.2	157.2
67.5°	130.7	136.0	125.4	58.3	23.0	58.3	116.6	128.9	130.7
70°	104.2	107.7	98.9	45.9	19.4	47.7	91.8	104.2	104.2
72.5°	81.2	83.0	77.7	37.1	17.7	37.1	70.6	81.2	81.2
75°	58.3	61.8	58.3	28.3	15.9	28.3	54.8	60.1	61.8
77.5°	33.6	42.4	42.4	23.0	12.4	21.2	38.9	40.6	40.6
80°	23.0	26.5	30.0	15.9	8.8	15.9	24.7	26.5	24.7
82.5°	15.9	17.7	17.7	10.6	7.1	10.6	15.9	17.7	15.9
85°	8.8	12.4	12.4	8.8	5.3	7.1	8.8	10.6	8.8
87.5°	5.3	7.1	8.8	7.1	5.3	5.3	5.3	5.3	3.5
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)