

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: P563874

Luminaire Tested: **LD4C55D010 EX4C559030 4LCSQWH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C55D010 EX4C559030 4LCSQWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

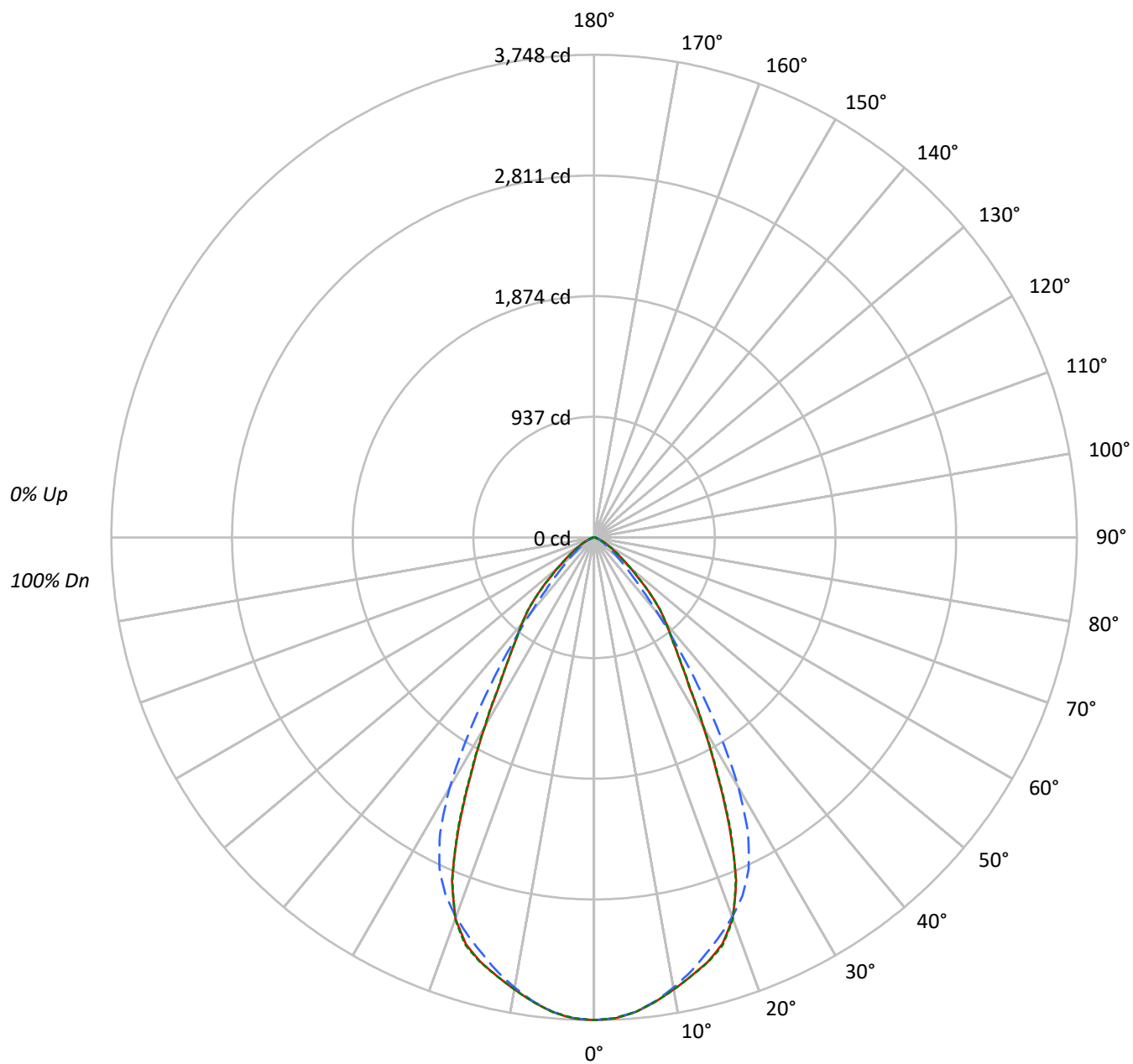
Lumens per Lamp: N/A
Luminaire Lumens: 3967.1 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V):
Input Current (Ain): 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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CATALOG NUMBER: LD4C55D010 EX4C559030 4LCSQWH

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
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105	110	108	105	103		104	102	100		100	98	97		96	95	94
2	107	101	97	93	104	99	95	92		96	93	90		93	90	88		90	88	86
3	101	93	88	84	98	92	87	83		89	85	82		87	83	80		85	82	79
4	95	87	80	76	93	85	80	75		83	78	74		81	77	74		79	76	73
5	89	80	74	69	88	79	73	69		78	72	68		76	71	68		74	70	67
6	85	75	68	64	83	74	68	63		72	67	63		71	66	63		70	65	62
7	80	70	63	59	79	69	63	59		68	62	58		67	62	58		65	61	58
8	76	65	59	55	74	65	59	54		64	58	54		63	58	54		62	57	54
9	72	61	55	51	71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	48	67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	361660	361660	361660
5°	358344	358111	358227
10°	349172	347771	349172
15°	340764	334620	341113
20°	323087	321875	323693
25°	265020	302389	266404
30°	188983	249828	189240
35°	136308	165544	136720
40°	109281	96181	109281
45°	83388	56138	82747
50°	55000	35831	54835
55°	36975	24056	36589
60°	24875	16422	25087
65°	17009	11621	16712
70°	11341	8351	11341
75°	7493	6189	7493
80°	5279	4556	5279
85°	3986	3986	3986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.4	8.8
10°-20°	950.1	23.9
20°-30°	1187.7	29.9
30°-40°	799.0	20.1
40°-50°	421.9	10.6
50°-60°	171.5	4.3
60°-70°	63.6	1.6
70°-80°	20.5	0.5
80°-90°	4.4	0.1
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°	2486.2	62.7
0°-40°	3285.2	82.8
0°-60°	3878.5	97.8
0°-90°	3967.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3967.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3748	3748	3748	3748	3748	
5°	3700	3696	3697	3697	3698	349
15°	3411	3383	3350	3382	3415	956
25°	2489	2629	2840	2634	2502	1120
35°	1157	1215	1405	1218	1161	745
45°	611	580	411	578	606	469
55°	220	184	143	184	218	204
65°	74	60	51	60	73	77
75°	20	18	17	18	20	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3748.2	3748.2	3748.2	3748.2	3748.2
2.5°	3738.7	3736.3	3735.2	3735.2	3736.3
5°	3699.7	3696.1	3697.3	3697.3	3698.5
7.5°	3637.0	3635.9	3632.3	3637.0	3637.0
10°	3563.8	3557.9	3549.5	3559.0	3563.8
12.5°	3488.1	3470.4	3456.1	3470.4	3488.1
15°	3411.3	3382.9	3349.8	3381.7	3414.8
17.5°	3310.8	3282.4	3245.8	3288.3	3320.2
20°	3146.5	3148.8	3134.7	3146.5	3152.4
22.5°	2882.9	2936.1	3010.6	2937.3	2874.6
25°	2489.3	2628.7	2840.3	2633.5	2502.3
27.5°	2067.4	2244.7	2590.9	2255.2	2080.4
30°	1696.2	1853.3	2242.3	1864.0	1698.5
32.5°	1373.5	1490.5	1822.6	1504.7	1388.9
35°	1157.2	1215.1	1405.4	1217.5	1160.7
37.5°	991.7	991.7	1043.7	996.4	987.0
40°	867.6	829.7	763.6	828.6	867.6
42.5°	751.7	695.1	554.4	692.6	754.2
45°	611.1	580.4	411.4	578.0	606.4
47.5°	469.2	448.0	309.6	445.6	472.8
50°	366.4	333.3	238.7	331.0	365.3
52.5°	281.4	245.9	184.4	245.9	278.9
55°	219.8	184.4	143.0	184.4	217.5
57.5°	169.1	140.7	108.7	138.3	167.8
60°	128.9	105.2	85.1	105.2	130.0
62.5°	98.1	80.4	65.0	79.2	96.9
65°	74.5	60.3	50.9	60.3	73.2
67.5°	54.4	45.0	39.0	45.0	55.5
70°	40.2	34.3	29.6	33.1	40.2
72.5°	29.6	24.8	22.5	24.8	29.6
75°	20.1	17.7	16.6	17.7	20.1
77.5°	14.1	13.0	11.8	13.0	14.1
80°	9.5	8.2	8.2	9.5	9.5
82.5°	5.9	5.9	5.9	5.9	5.9
85°	3.6	3.6	3.6	3.6	3.6
87.5°	2.3	2.3	2.3	2.3	2.3
90°	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)