

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

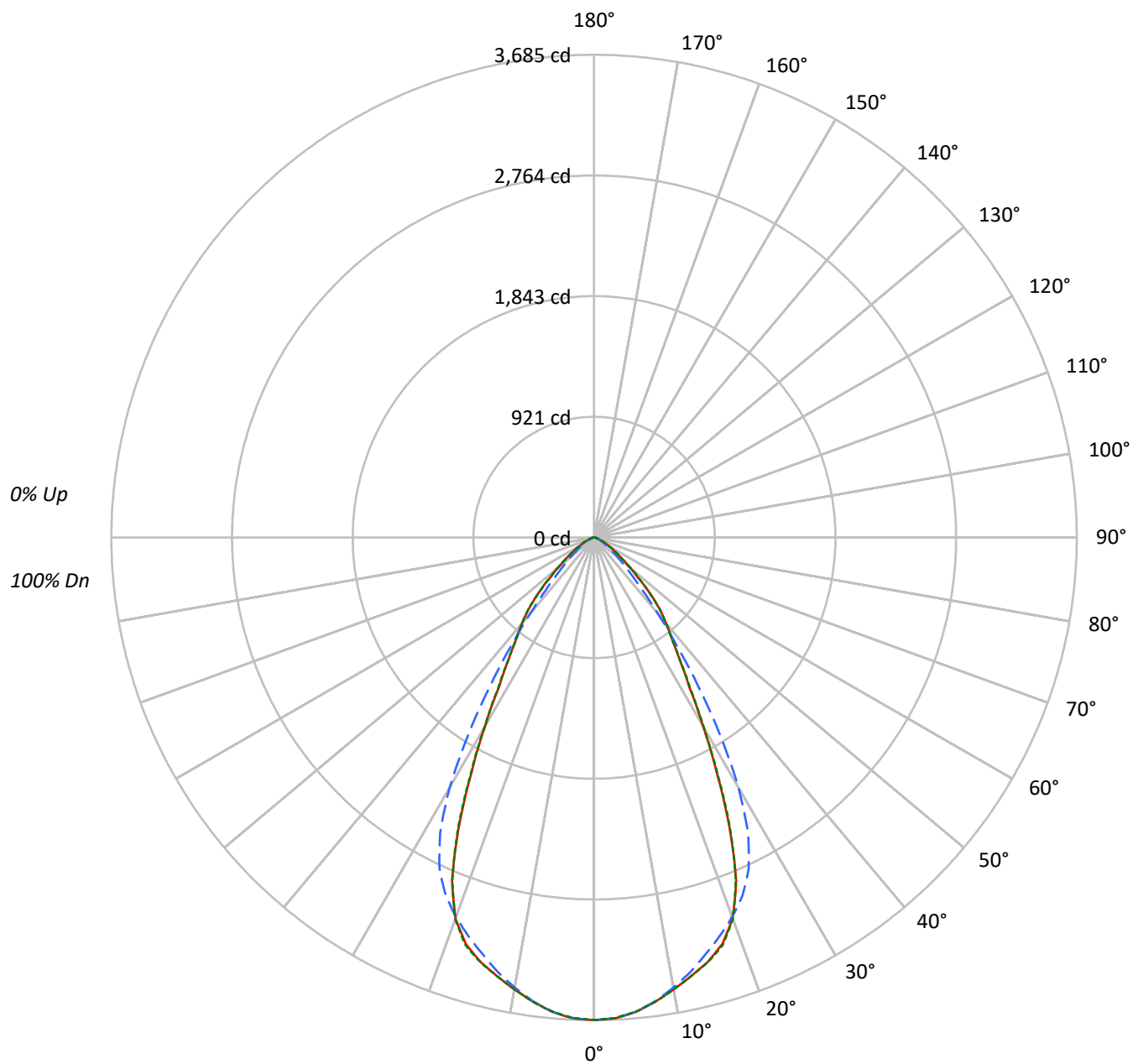
Lumens per Lamp: N/A
Luminaire Lumens: 3900.0 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77		
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66		
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61		
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56		
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	355542	355542	355542
5°	352280	352058	352174
10°	343264	341892	343264
15°	335000	328966	335350
20°	317624	316433	318220
25°	260538	297279	261901
30°	185786	245605	186042
35°	133999	162740	134412
40°	107429	94556	107429
45°	81983	55183	81341
50°	54070	35231	53905
55°	36353	23652	35966
60°	24450	16152	24663
65°	16712	11416	16438
70°	11144	8210	11144
75°	7382	6077	7382
80°	5168	4501	5168
85°	3875	3875	3875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	8.8
10°-20°	934.0	23.9
20°-30°	1167.6	29.9
30°-40°	785.5	20.1
40°-50°	414.8	10.6
50°-60°	168.6	4.3
60°-70°	62.5	1.6
70°-80°	20.2	0.5
80°-90°	4.3	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°	2444.1	62.7
0°-40°	3229.6	82.8
0°-60°	3813.0	97.8
0°-90°	3900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3685	3685	3685	3685	3685	
5°	3637	3634	3635	3635	3636	343
15°	3354	3326	3293	3324	3357	940
25°	2447	2584	2792	2589	2460	1102
35°	1138	1195	1382	1197	1141	732
45°	601	571	404	568	596	461
55°	216	181	141	181	214	200
65°	73	59	50	59	72	75
75°	20	17	16	17	20	23
85°	4	4	4	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3684.8	3684.8	3684.8	3684.8	3684.8
2.5°	3675.5	3673.1	3672.0	3672.0	3673.1
5°	3637.1	3633.6	3634.8	3634.8	3636.0
7.5°	3575.5	3574.4	3570.9	3575.5	3575.5
10°	3503.5	3497.7	3489.5	3498.8	3503.5
12.5°	3429.1	3411.7	3397.7	3411.7	3429.1
15°	3353.6	3325.7	3293.2	3324.5	3357.1
17.5°	3254.8	3226.9	3190.9	3232.7	3264.1
20°	3093.3	3095.6	3081.7	3093.3	3099.1
22.5°	2834.2	2886.5	2959.7	2887.6	2826.0
25°	2447.2	2584.3	2792.3	2589.0	2460.0
27.5°	2032.4	2206.7	2547.1	2217.1	2045.2
30°	1667.5	1822.0	2204.4	1832.5	1669.8
32.5°	1350.3	1465.3	1791.8	1479.3	1365.4
35°	1137.6	1194.6	1381.6	1196.9	1141.1
37.5°	974.9	974.9	1026.1	979.6	970.3
40°	852.9	815.7	750.7	814.6	852.9
42.5°	739.0	683.3	545.0	680.9	741.4
45°	600.8	570.6	404.4	568.2	596.1
47.5°	461.3	440.4	304.4	438.1	464.8
50°	360.2	327.7	234.7	325.4	359.1
52.5°	276.6	241.7	181.3	241.7	274.2
55°	216.1	181.3	140.6	181.3	213.8
57.5°	166.2	138.3	106.9	136.0	165.0
60°	126.7	103.4	83.7	103.4	127.8
62.5°	96.4	79.0	63.9	77.9	95.3
65°	73.2	59.3	50.0	59.3	72.0
67.5°	53.5	44.2	38.3	44.2	54.6
70°	39.5	33.7	29.1	32.5	39.5
72.5°	29.1	24.4	22.1	24.4	29.1
75°	19.8	17.4	16.3	17.4	19.8
77.5°	13.9	12.8	11.6	12.8	13.9
80°	9.3	8.1	8.1	9.3	9.3
82.5°	5.8	5.8	5.8	5.8	5.8
85°	3.5	3.5	3.5	3.5	3.5
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)