

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: P#

Luminaire Tested: **LD4C50D010 EX4C509027 4LCSQWLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C50D010 EX4C509027 4LCSQWLI
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

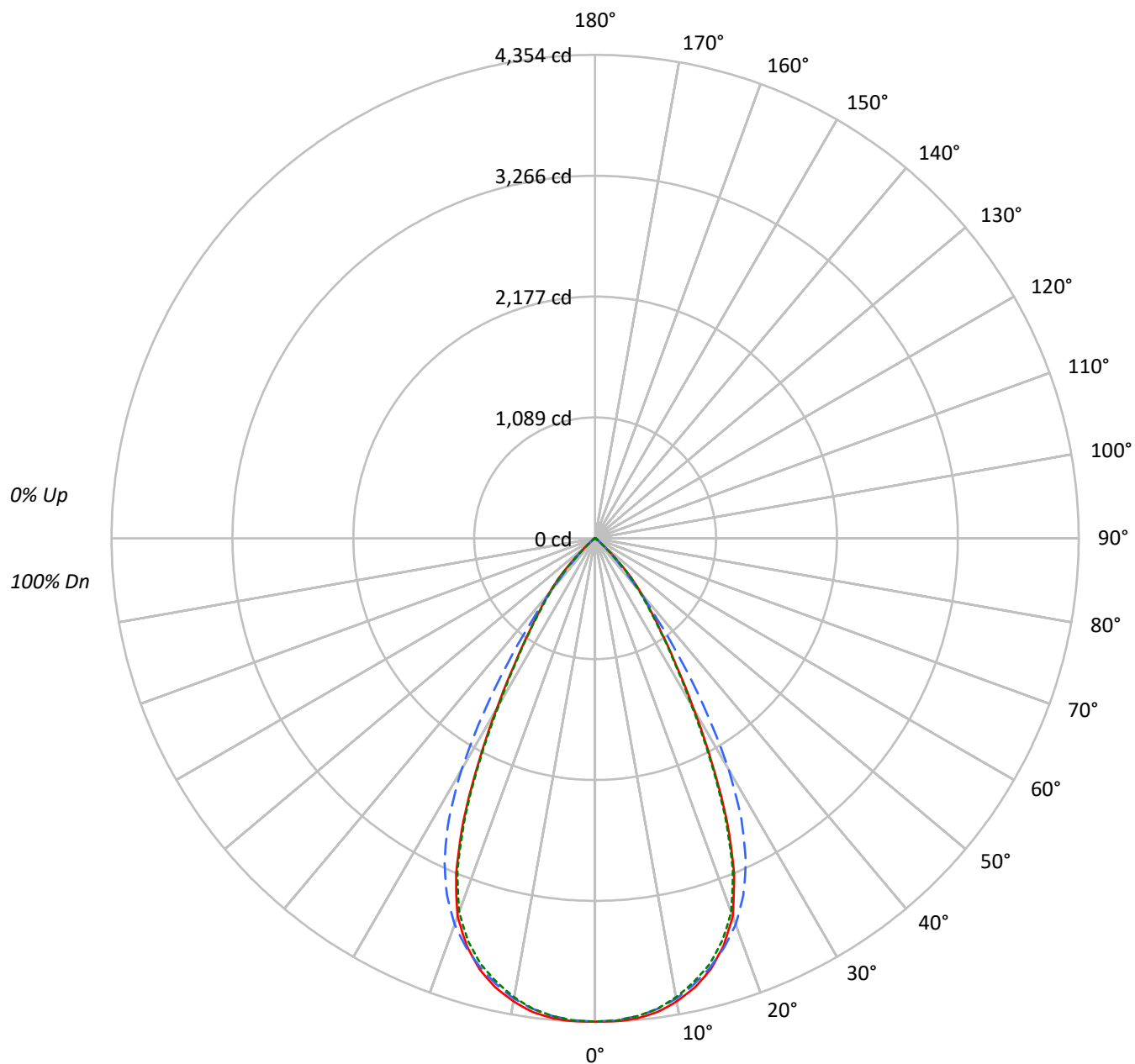
Lumens per Lamp: N/A
Luminaire Lumens: 3897.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81		
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76		
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71		
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66		
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62		
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58		
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55		
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	420016	420016	420016
5°	420458	418521	418521
10°	414934	412485	411211
15°	401469	399571	396874
20°	371809	379921	367702
25°	298950	341749	295011
30°	197317	267955	192638
35°	123327	160903	121089
40°	80487	74567	77338
45°	38753	29747	36570
50°	9757	11859	9157
55°	5383	4878	5215
60°	3667	3088	3474
65°	2511	2283	2511
70°	1975	1693	1975
75°	1491	1491	1491
80°	1111	1667	1667
85°	1107	2214	2214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.4	10.5
10°-20°	1118.0	28.7
20°-30°	1332.3	34.2
30°-40°	754.4	19.4
40°-50°	233.2	6.0
50°-60°	32.4	0.8
60°-70°	11.1	0.3
70°-80°	4.4	0.1
80°-90°	1.9	0.0
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°	2859.6	73.4
0°-40°	3614.0	92.7
0°-60°	3879.7	99.6
0°-90°	3897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4353	4353	4353	4353	4353	
5°	4341	4331	4321	4318	4321	411
15°	4019	4012	4000	3984	3973	1121
25°	2808	2972	3210	2977	2771	1252
35°	1047	1142	1366	1145	1028	681
45°	284	331	218	322	268	235
55°	32	32	29	31	31	31
65°	11	11	10	11	11	12
75°	4	4	4	4	4	4
85°	1	2	2	2	2	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4353	4353	4353	4353	4353
2.5°	4354	4347	4345	4343	4347
5°	4341	4331	4321	4318	4321
7.5°	4304	4294	4277	4273	4276
10°	4235	4226	4210	4201	4197
12.5°	4144	4129	4114	4104	4094
15°	4019	4012	4000	3984	3973
17.5°	3846	3856	3863	3831	3802
20°	3621	3658	3700	3635	3581
22.5°	3270	3376	3483	3360	3240
25°	2808	2972	3210	2977	2771
27.5°	2269	2477	2852	2478	2239
30°	1771	1985	2405	1957	1729
32.5°	1360	1520	1879	1496	1331
35°	1047	1142	1366	1145	1028
37.5°	814	862	919	845	790
40°	639	641	592	631	614
42.5°	474	472	364	460	463
45°	284	331	218	322	268
47.5°	135	187	131	177	125
50°	65	90	79	84	61
52.5°	44	46	45	44	42
55°	32	32	29	31	31
57.5°	24	24	21	23	23
60°	19	18	16	18	18
62.5°	14	14	12	14	14
65°	11	11	10	11	11
67.5°	9	9	7	9	8
70°	7	7	6	7	7
72.5°	5	5	5	5	5
75°	4	4	4	4	4
77.5°	3	3	3	3	3
80°	2	2	3	3	3
82.5°	2	2	2	2	2
85°	1	2	2	2	2
87.5°	1	1	2	2	2
90°	0	0	0	0	0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)