

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: **LD4C65D010 EX4C659030 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: LD4C65D010 EX4C659030 4LCSQWLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

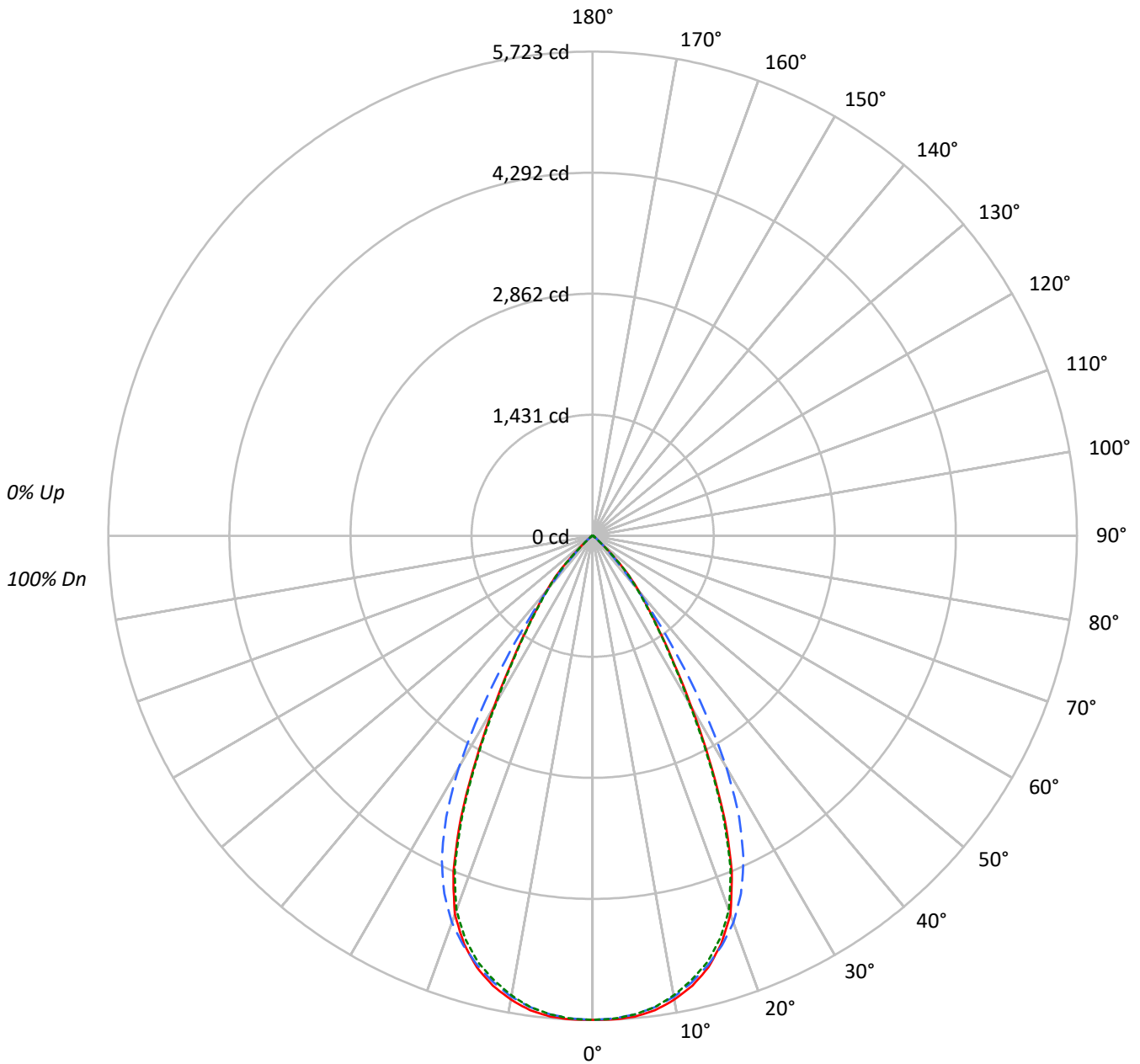
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5122.0 lumens
Efficiency: N/A
Efficacy: 70.7 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): 72.4
Input Voltage (V):
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

TEST NUMBER: P#
CATALOG NUMBER: LD4C65D010 EX4C659030 4LCSQWLI

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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°	552052	552052	552052
5°	552630	550083	550083
10°	545372	542148	540473
15°	527673	525176	521629
20°	488691	499350	483290
25°	392926	449181	387751
30°	259343	352185	253192
35°	162092	211482	159159
40°	105792	98007	101648
45°	50939	39095	48060
50°	12819	15581	12039
55°	7082	6409	6847
60°	4824	4053	4574
65°	3311	2991	3311
70°	2595	2229	2595
75°	1976	1976	1976
80°	1445	2167	2167
85°	1439	2878	2878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.1	10.5
10°-20°	1469.4	28.7
20°-30°	1751.1	34.2
30°-40°	991.6	19.4
40°-50°	306.5	6.0
50°-60°	42.6	0.8
60°-70°	14.5	0.3
70°-80°	5.8	0.1
80°-90°	2.4	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°	3758.6	73.4
0°-40°	4750.1	92.7
0°-60°	5099.2	99.6
0°-90°	5122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5122.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5721	5721	5721	5721	5721	
5°	5706	5692	5679	5675	5679	540
15°	5282	5273	5257	5236	5222	1473
25°	3691	3906	4219	3913	3642	1646
35°	1376	1501	1795	1505	1351	896
45°	373	435	286	423	352	308
55°	42	42	38	41	41	41
65°	14	14	13	14	14	15
75°	5	5	5	5	5	6
85°	1	3	3	3	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5721.4	5721.4	5721.4	5721.4	5721.4
2.5°	5722.7	5713.5	5710.9	5708.2	5713.5
5°	5705.6	5692.5	5679.3	5675.4	5679.3
7.5°	5657.0	5643.8	5621.5	5616.2	5620.2
10°	5566.3	5554.4	5533.4	5521.6	5516.3
12.5°	5446.7	5427.0	5407.2	5394.1	5381.0
15°	5282.4	5273.2	5257.4	5236.4	5221.9
17.5°	5055.0	5068.1	5077.3	5035.3	4997.2
20°	4759.3	4807.9	4863.1	4777.7	4706.7
22.5°	4297.9	4437.2	4577.9	4416.2	4258.5
25°	3690.7	3906.3	4219.1	3912.8	3642.1
27.5°	2982.3	3255.6	3748.5	3257.0	2942.8
30°	2327.7	2609.0	3161.0	2572.2	2272.5
32.5°	1787.5	1997.8	2469.7	1966.3	1749.4
35°	1376.1	1501.0	1795.4	1504.9	1351.2
37.5°	1069.9	1133.0	1207.9	1110.6	1038.3
40°	839.9	842.5	778.1	829.4	807.0
42.5°	623.0	620.4	478.4	604.6	608.5
45°	373.3	435.1	286.5	423.2	352.2
47.5°	177.4	245.8	172.2	232.6	164.3
50°	85.4	118.3	103.8	110.4	80.2
52.5°	57.8	60.5	59.1	57.8	55.2
55°	42.1	42.1	38.1	40.7	40.7
57.5°	31.5	31.5	27.6	30.2	30.2
60°	25.0	23.7	21.0	23.7	23.7
62.5°	18.4	18.4	15.8	18.4	18.4
65°	14.5	14.5	13.1	14.5	14.5
67.5°	11.8	11.8	9.2	11.8	10.5
70°	9.2	9.2	7.9	9.2	9.2
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.3	5.3	5.3	5.3	5.3
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.6	2.6	3.9	3.9	3.9
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	2.6	2.6	2.6	2.6
87.5°	1.3	1.3	2.6	2.6	2.6
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)