

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: **LD4C70D010 EX4C709035 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: LD4C70D010 EX4C709035 4LCSQWLI
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

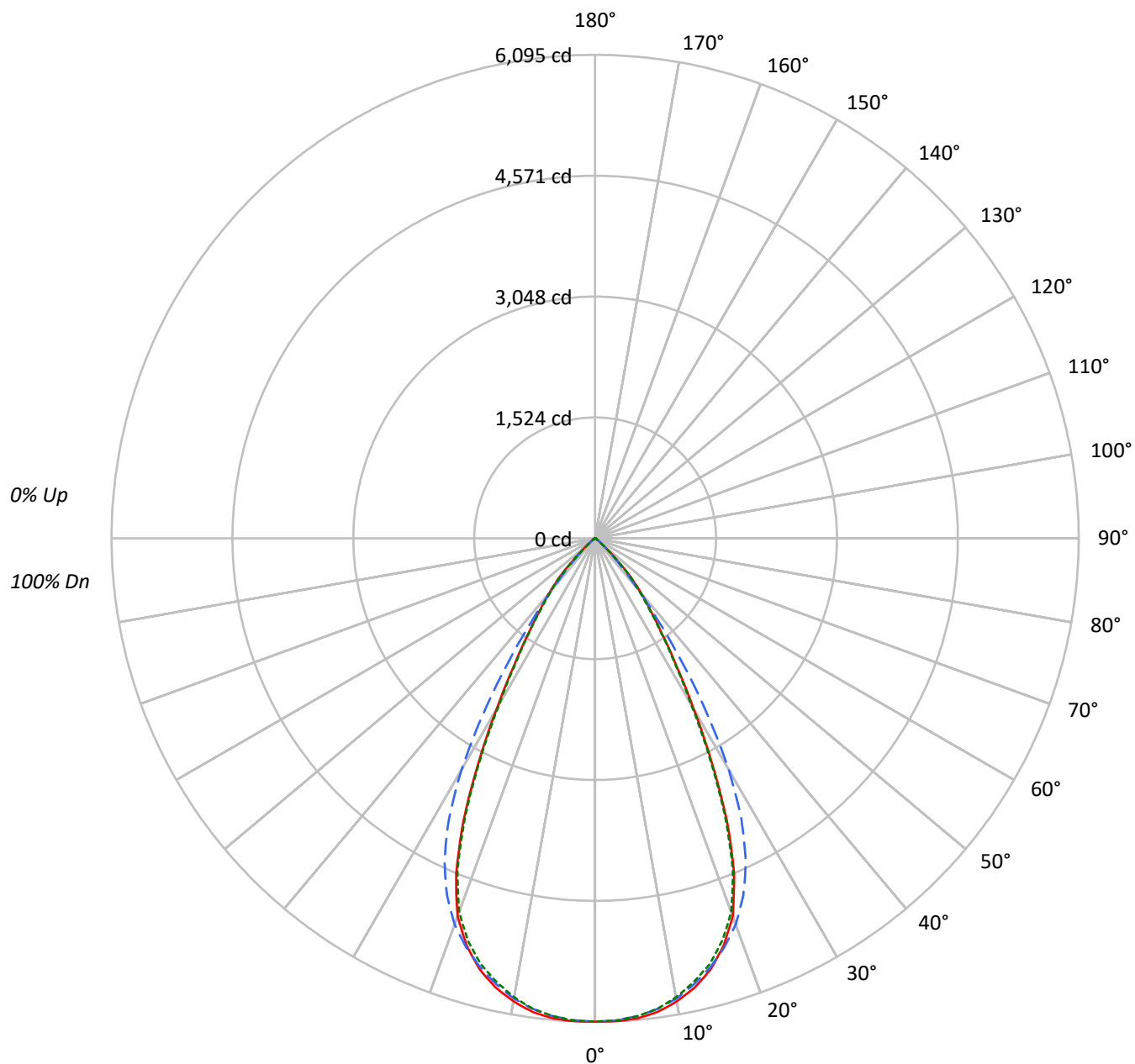
Lumens per Lamp: N/A
Luminaire Lumens: 5455.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	111	108	106	111	109	106	104		105	103	101			101	100	98			97
2	108	103	99	96	106	102	98	95		98	95	93			95	93	91			93
3	103	96	91	88	101	95	90	87		92	89	85			90	87	84			88
4	98	90	85	80	96	89	84	80		87	82	79			85	81	78			83
5	93	84	79	74	91	84	78	74		82	77	73			80	76	73			79
6	88	79	73	69	87	79	73	69		77	72	68			76	71	68			74
7	84	75	69	65	82	74	68	64		73	68	64			71	67	64			70
8	80	70	64	60	79	70	64	60		69	64	60			68	63	60			67
9	76	66	61	57	75	66	60	57		65	60	56			64	60	56			63
10	72	63	57	53	71	62	57	53		62	57	53			61	56	53			60

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	587936	587936	587936
5°	588554	585842	585842
10°	580830	577400	575617
15°	561976	559319	555543
20°	520461	531817	514711
25°	418466	478384	412951
30°	276200	375081	269660
35°	172635	225229	169502
40°	112669	104381	108260
45°	54241	41646	51185
50°	13660	16602	12819
55°	7536	6830	7301
60°	5133	4323	4863
65°	3516	3196	3516
70°	2765	2370	2765
75°	2088	2088	2088
80°	1556	2334	2334
85°	1550	3100	3100



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.0	10.5
10°-20°	1564.9	28.7
20°-30°	1864.9	34.2
30°-40°	1056.0	19.4
40°-50°	326.5	6.0
50°-60°	45.4	0.8
60°-70°	15.5	0.3
70°-80°	6.2	0.1
80°-90°	2.6	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°	4002.9	73.4
0°-40°	5058.9	92.7
0°-60°	5430.8	99.6
0°-90°	5455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6093	6093	6093	6093	6093	
5°	6076	6062	6048	6044	6048	575
15°	5626	5616	5599	5577	5561	1569
25°	3931	4160	4493	4167	3879	1753
35°	1466	1599	1912	1603	1439	954
45°	398	463	305	451	375	328
55°	45	45	41	43	43	44
65°	15	15	14	15	15	16
75°	6	6	6	6	6	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°	6093.3	6093.3	6093.3	6093.3	6093.3
2.5°	6094.7	6084.9	6082.1	6079.3	6084.9
5°	6076.5	6062.5	6048.5	6044.3	6048.5
7.5°	6024.7	6010.7	5987.0	5981.4	5985.6
10°	5928.2	5915.6	5893.2	5880.6	5875.0
12.5°	5800.8	5779.8	5758.8	5744.8	5730.8
15°	5625.8	5616.0	5599.2	5576.8	5561.4
17.5°	5383.6	5397.6	5407.4	5362.6	5322.0
20°	5068.7	5120.5	5179.3	5088.3	5012.7
22.5°	4577.4	4725.7	4875.5	4703.3	4535.4
25°	3930.6	4160.2	4493.4	4167.2	3878.8
27.5°	3176.1	3467.3	3992.2	3468.7	3134.2
30°	2479.0	2778.6	3366.5	2739.4	2420.3
32.5°	1903.7	2127.7	2630.2	2094.1	1863.1
35°	1465.6	1598.6	1912.1	1602.8	1439.0
37.5°	1139.4	1206.6	1286.4	1182.8	1105.8
40°	894.5	897.3	828.7	883.3	859.5
42.5°	663.5	660.7	509.5	643.9	648.1
45°	397.5	463.3	305.2	450.7	375.1
47.5°	189.0	261.8	183.4	247.8	175.0
50°	91.0	126.0	110.6	117.6	85.4
52.5°	61.6	64.4	63.0	61.6	58.8
55°	44.8	44.8	40.6	43.4	43.4
57.5°	33.6	33.6	29.4	32.2	32.2
60°	26.6	25.2	22.4	25.2	25.2
62.5°	19.6	19.6	16.8	19.6	19.6
65°	15.4	15.4	14.0	15.4	15.4
67.5°	12.6	12.6	9.8	12.6	11.2
70°	9.8	9.8	8.4	9.8	9.8
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.6	5.6	5.6	5.6	5.6
77.5°	4.2	4.2	4.2	4.2	4.2
80°	2.8	2.8	4.2	4.2	4.2
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	2.8	2.8	2.8	2.8
87.5°	1.4	1.4	2.8	2.8	2.8
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)