

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: **LX6C120D010 EX6C1209040 6LCSQWH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209040 6LCSQWH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

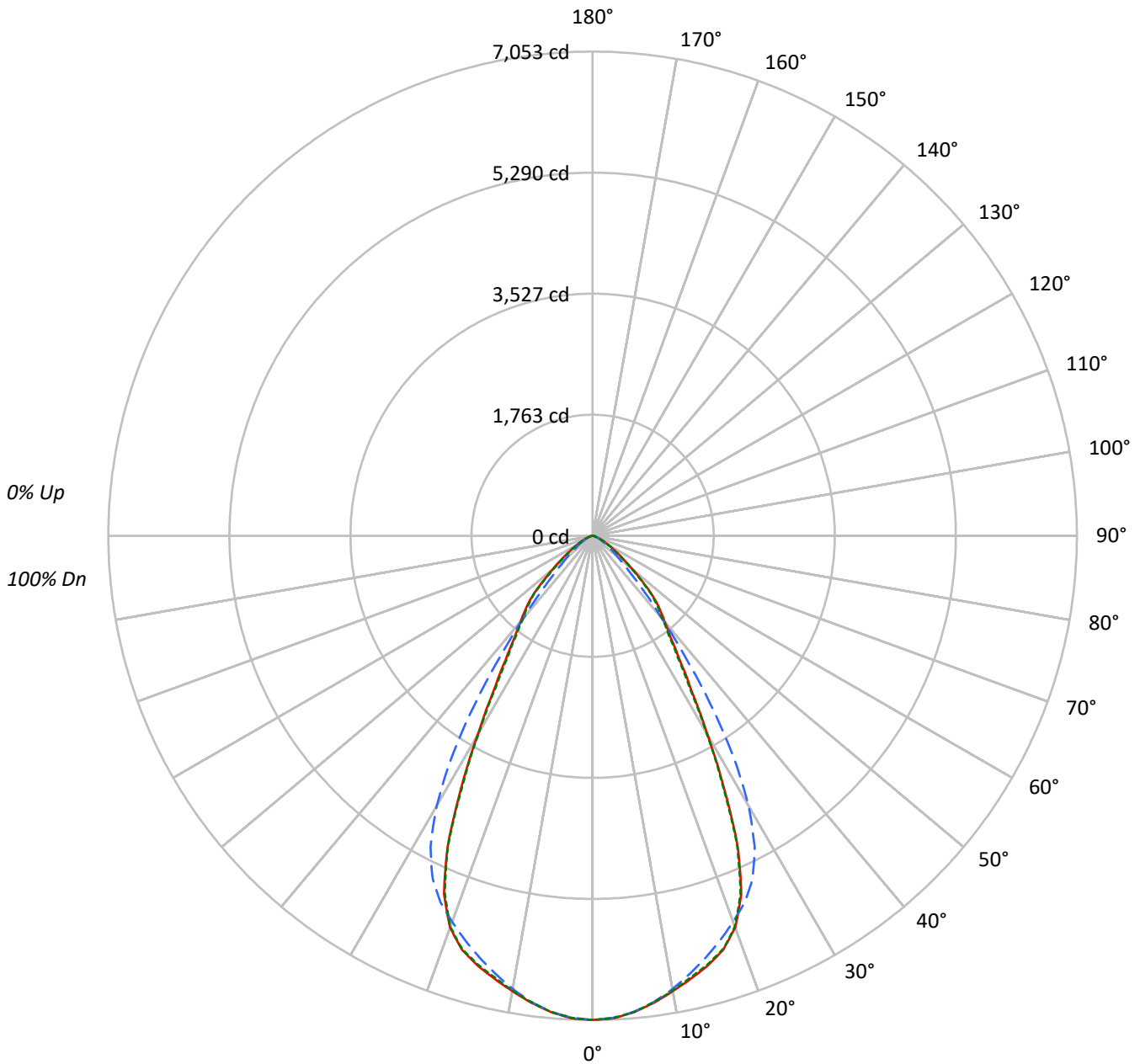
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7726.0 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.95 / 0.97
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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

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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	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	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																			
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71																			
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65																			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																			
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56																			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52																			
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48																			
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	303676	303676	303676
5°	300955	300747	300955
10°	294466	293089	294042
15°	288874	283681	288116
20°	278157	274157	277598
25°	237704	261899	236550
30°	166406	225852	164954
35°	116265	157058	113585
40°	91609	88062	89018
45°	75613	49473	74432
50°	50686	31355	48897
55°	33502	21484	31858
60°	22553	14622	21304
65°	15068	10127	14080
70°	10071	7327	9467
75°	6455	5240	6055
80°	4215	4215	4215
85°	3606	3606	3606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.6	8.5
10°-20°	1805.4	23.4
20°-30°	2333.1	30.2
30°-40°	1579.6	20.4
40°-50°	831.2	10.8
50°-60°	347.8	4.5
60°-70°	124.8	1.6
70°-80°	38.8	0.5
80°-90°	8.8	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°	4795.1	62.1
0°-40°	6374.7	82.5
0°-60°	7553.7	97.8
0°-90°	7726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7053	7053	7053	7053	7053	
5°	6963	6961	6958	6961	6963	657
15°	6481	6420	6364	6408	6464	1820
25°	5004	5215	5513	5215	4979	2220
35°	2212	2384	2988	2348	2161	1432
45°	1242	1138	812	1116	1222	931
55°	446	381	286	374	424	418
65°	148	119	99	116	138	154
75°	39	34	32	32	36	45
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7053.1	7053.1	7053.1	7053.1	7053.1
2.5°	7036.1	7028.8	7026.4	7028.8	7028.8
5°	6963.3	6960.9	6958.5	6960.9	6963.3
7.5°	6861.5	6854.2	6849.3	6849.3	6851.8
10°	6735.3	6723.2	6703.8	6715.9	6725.6
12.5°	6609.2	6580.1	6536.5	6565.6	6589.8
15°	6480.7	6420.0	6364.2	6407.9	6463.7
17.5°	6323.0	6262.4	6175.1	6250.3	6313.3
20°	6070.8	6034.4	5983.5	6034.4	6058.6
22.5°	5656.0	5699.7	5782.2	5692.4	5626.9
25°	5003.6	5214.6	5512.9	5214.6	4979.3
27.5°	4147.4	4513.7	5112.7	4484.6	4111.1
30°	3347.1	3708.4	4542.8	3710.9	3317.9
32.5°	2687.3	2976.0	3817.6	2934.7	2631.6
35°	2212.0	2384.2	2988.1	2347.8	2161.0
37.5°	1862.7	1918.5	2187.7	1887.0	1823.9
40°	1629.9	1583.8	1566.8	1559.5	1583.8
42.5°	1445.5	1336.4	1135.1	1309.7	1401.9
45°	1241.8	1137.5	812.5	1115.7	1222.4
47.5°	977.4	933.8	603.9	914.4	943.5
50°	756.7	698.5	468.1	686.4	730.0
52.5°	582.1	516.6	368.7	499.6	553.0
55°	446.3	380.8	286.2	373.5	424.4
57.5°	344.4	286.2	220.7	276.5	327.4
60°	261.9	215.9	169.8	206.2	247.4
62.5°	196.5	160.1	131.0	155.2	186.8
65°	147.9	118.8	99.4	116.4	138.2
67.5°	109.1	89.7	75.2	84.9	101.9
70°	80.0	65.5	58.2	63.1	75.2
72.5°	55.8	48.5	43.7	46.1	50.9
75°	38.8	34.0	31.5	31.5	36.4
77.5°	26.7	24.3	21.8	24.3	26.7
80°	17.0	17.0	17.0	17.0	17.0
82.5°	12.1	12.1	12.1	12.1	9.7
85°	7.3	7.3	7.3	7.3	7.3
87.5°	4.9	4.9	4.9	4.9	2.4
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)