

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 EX6C1209027 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 EX6C1209027 6LCSQWH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

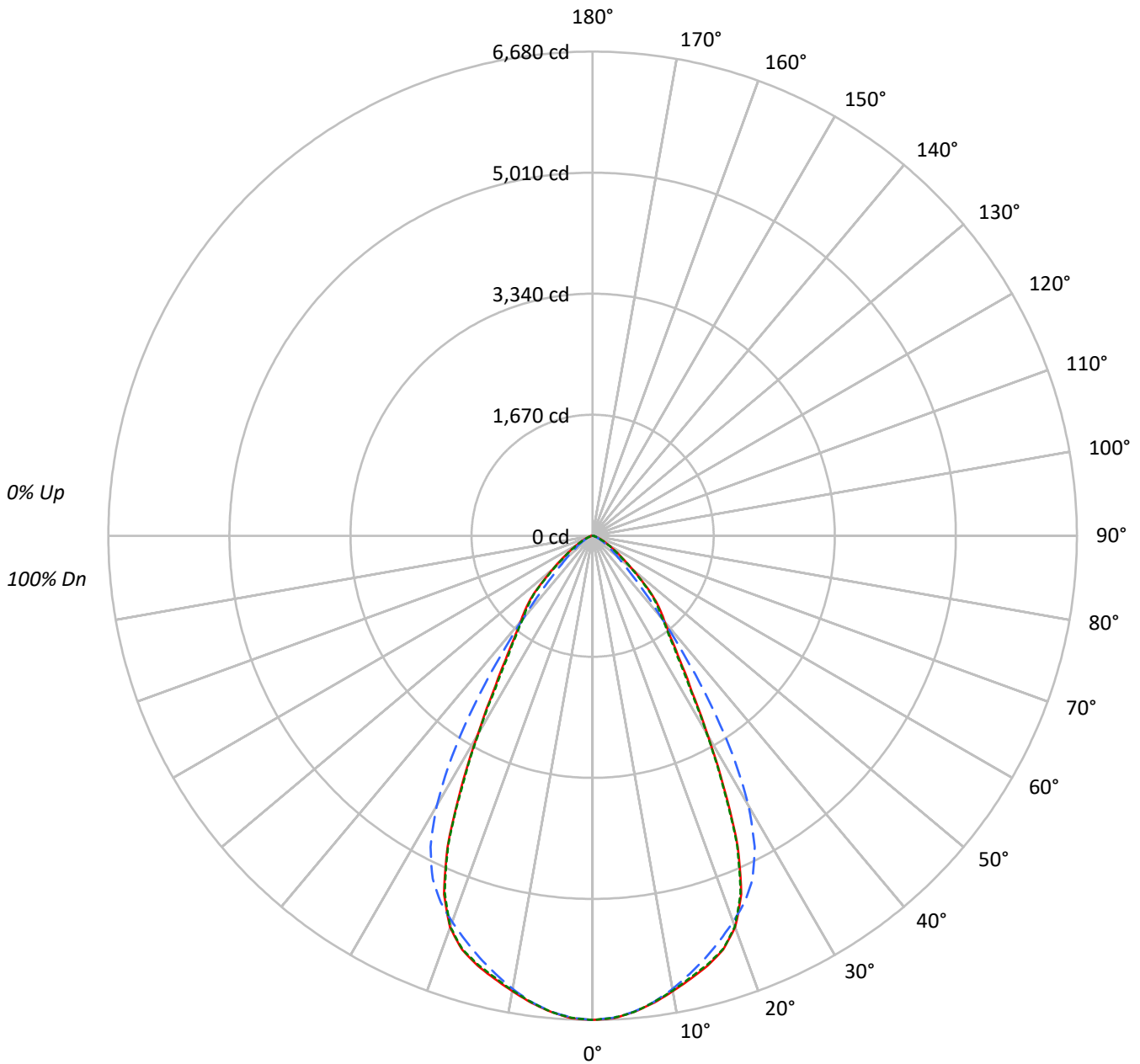
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7317.0 lumens
Efficiency: N/A
Efficacy: 51.4 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°	287599	287599	287599
5°	285024	284825	285024
10°	278880	277573	278478
15°	273580	268664	272863
20°	263431	259642	262904
25°	225120	248037	224027
30°	157596	213895	156224
35°	110111	148743	107572
40°	86758	83403	84302
45°	71613	46855	70492
50°	48007	29693	46312
55°	31723	20343	30176
60°	21364	13847	20176
65°	14273	9597	13336
70°	9542	6936	8963
75°	6122	4974	5739
80°	3992	3992	3992
85°	3409	3409	3409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.8	8.5
10°-20°	1709.8	23.4
20°-30°	2209.6	30.2
30°-40°	1496.0	20.4
40°-50°	787.2	10.8
50°-60°	329.4	4.5
60°-70°	118.2	1.6
70°-80°	36.7	0.5
80°-90°	8.3	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°	4541.2	62.1
0°-40°	6037.2	82.5
0°-60°	7153.8	97.8
0°-90°	7317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6680	6680	6680	6680	6680	
5°	6595	6592	6590	6592	6595	623
15°	6138	6080	6027	6069	6122	1724
25°	4739	4939	5221	4939	4716	2102
35°	2095	2258	2830	2224	2047	1356
45°	1176	1077	770	1057	1158	882
55°	423	361	271	354	402	396
65°	140	113	94	110	131	146
75°	37	32	30	30	34	42
85°	7	7	7	7	7	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6679.7	6679.7	6679.7	6679.7	6679.7
2.5°	6663.6	6656.7	6654.4	6656.7	6656.7
5°	6594.7	6592.4	6590.1	6592.4	6594.7
7.5°	6498.2	6491.3	6486.7	6486.7	6489.0
10°	6378.8	6367.3	6348.9	6360.4	6369.6
12.5°	6259.3	6231.8	6190.4	6218.0	6241.0
15°	6137.6	6080.2	6027.3	6068.7	6121.5
17.5°	5988.3	5930.9	5848.2	5919.4	5979.1
20°	5749.4	5714.9	5666.7	5714.9	5737.9
22.5°	5356.6	5398.0	5476.1	5391.1	5329.0
25°	4738.7	4938.6	5221.1	4938.6	4715.7
27.5°	3927.9	4274.7	4842.1	4247.2	3893.4
30°	3169.9	3512.1	4302.3	3514.4	3142.3
32.5°	2545.1	2818.4	3615.5	2779.4	2492.2
35°	2094.9	2258.0	2829.9	2223.5	2046.6
37.5°	1764.1	1816.9	2071.9	1787.1	1727.3
40°	1543.6	1499.9	1483.9	1477.0	1499.9
42.5°	1369.0	1265.6	1075.0	1240.4	1327.7
45°	1176.1	1077.3	769.5	1056.6	1157.7
47.5°	925.7	884.3	572.0	866.0	893.5
50°	716.7	661.5	443.3	650.1	691.4
52.5°	551.3	489.3	349.1	473.2	523.7
55°	422.6	360.6	271.0	353.7	402.0
57.5°	326.2	271.0	209.0	261.9	310.1
60°	248.1	204.4	160.8	195.2	234.3
62.5°	186.1	151.6	124.0	147.0	176.9
65°	140.1	112.6	94.2	110.3	130.9
67.5°	103.4	85.0	71.2	80.4	96.5
70°	75.8	62.0	55.1	59.7	71.2
72.5°	52.8	45.9	41.3	43.6	48.2
75°	36.8	32.2	29.9	29.9	34.5
77.5°	25.3	23.0	20.7	23.0	25.3
80°	16.1	16.1	16.1	16.1	16.1
82.5°	11.5	11.5	11.5	11.5	9.2
85°	6.9	6.9	6.9	6.9	6.9
87.5°	4.6	4.6	4.6	4.6	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)