

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 EX6C1209035 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 EX6C1209035 6LCSQWH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

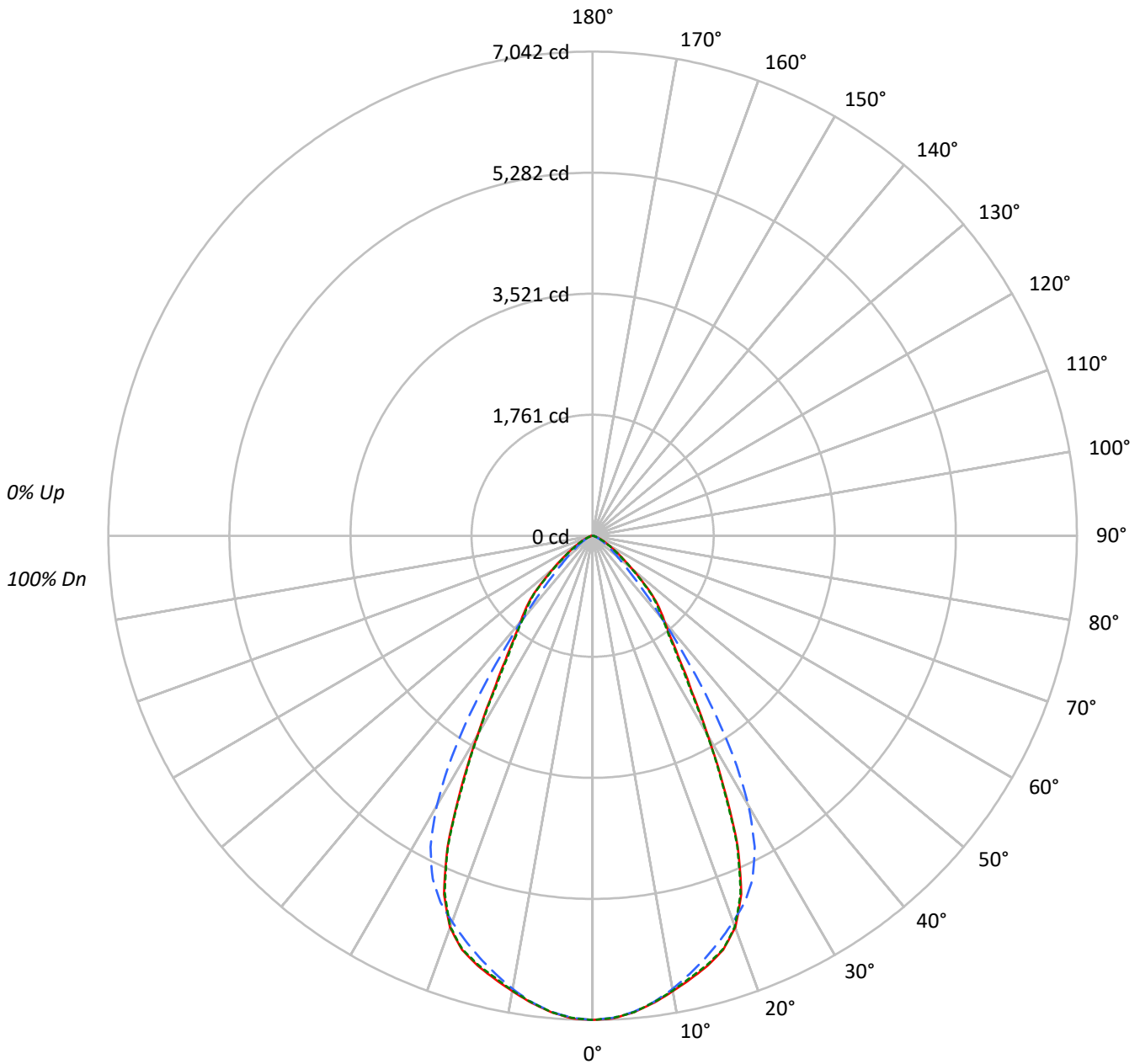
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7714.0 lumens
Efficiency: N/A
Efficacy: 54.2 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°	303202	303202	303202
5°	300488	300280	300488
10°	294012	292635	293588
15°	288424	283244	287670
20°	277722	273731	277168
25°	237334	261496	236184
30°	166147	225499	164700
35°	116082	156817	113411
40°	91463	87927	88877
45°	75497	49394	74316
50°	50605	31308	48824
55°	33449	21454	31813
60°	22518	14596	21269
65°	15047	10117	14059
70°	10058	7314	9454
75°	6438	5240	6039
80°	4215	4215	4215
85°	3606	3606	3606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.6	8.5
10°-20°	1802.6	23.4
20°-30°	2329.5	30.2
30°-40°	1577.2	20.4
40°-50°	829.9	10.8
50°-60°	347.3	4.5
60°-70°	124.6	1.6
70°-80°	38.7	0.5
80°-90°	8.7	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°	4787.6	62.1
0°-40°	6364.8	82.5
0°-60°	7541.9	97.8
0°-90°	7714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7042	7042	7042	7042	7042	
5°	6952	6950	6948	6950	6952	656
15°	6471	6410	6354	6398	6454	1818
25°	4996	5206	5504	5206	4972	2216
35°	2208	2380	2984	2344	2158	1430
45°	1240	1136	811	1114	1220	930
55°	446	380	286	373	424	417
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°	7042.1	7042.1	7042.1	7042.1	7042.1
2.5°	7025.2	7017.9	7015.5	7017.9	7017.9
5°	6952.5	6950.1	6947.7	6950.1	6952.5
7.5°	6850.8	6843.5	6838.7	6838.7	6841.1
10°	6724.9	6712.8	6693.4	6705.5	6715.2
12.5°	6598.9	6569.9	6526.3	6555.4	6579.6
15°	6470.6	6410.1	6354.4	6398.0	6453.7
17.5°	6313.2	6252.7	6165.5	6240.5	6303.5
20°	6061.3	6025.0	5974.2	6025.0	6049.2
22.5°	5647.2	5690.8	5773.2	5683.6	5618.2
25°	4995.8	5206.5	5504.4	5206.5	4971.6
27.5°	4141.0	4506.7	5104.8	4477.6	4104.7
30°	3341.9	3702.7	4535.7	3705.1	3312.8
32.5°	2683.2	2971.3	3811.7	2930.2	2627.5
35°	2208.5	2380.5	2983.5	2344.1	2157.7
37.5°	1859.8	1915.5	2184.3	1884.0	1821.1
40°	1627.3	1581.3	1564.4	1557.1	1581.3
42.5°	1443.3	1334.3	1133.3	1307.7	1399.7
45°	1239.9	1135.7	811.2	1114.0	1220.5
47.5°	975.9	932.3	603.0	913.0	942.0
50°	755.5	697.4	467.4	685.3	728.9
52.5°	581.2	515.8	368.1	498.9	552.1
55°	445.6	380.2	285.8	372.9	423.8
57.5°	343.9	285.8	220.4	276.1	326.9
60°	261.5	215.5	169.5	205.8	247.0
62.5°	196.2	159.8	130.8	155.0	186.5
65°	147.7	118.7	99.3	116.2	138.0
67.5°	109.0	89.6	75.1	84.8	101.7
70°	79.9	65.4	58.1	63.0	75.1
72.5°	55.7	48.4	43.6	46.0	50.9
75°	38.7	33.9	31.5	31.5	36.3
77.5°	26.6	24.2	21.8	24.2	26.6
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°	4.8	4.8	4.8	4.8	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)