

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 EX6C1209050 6LCSQWLI**

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 (G1-2105-247-23)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209050 6LCSQWLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

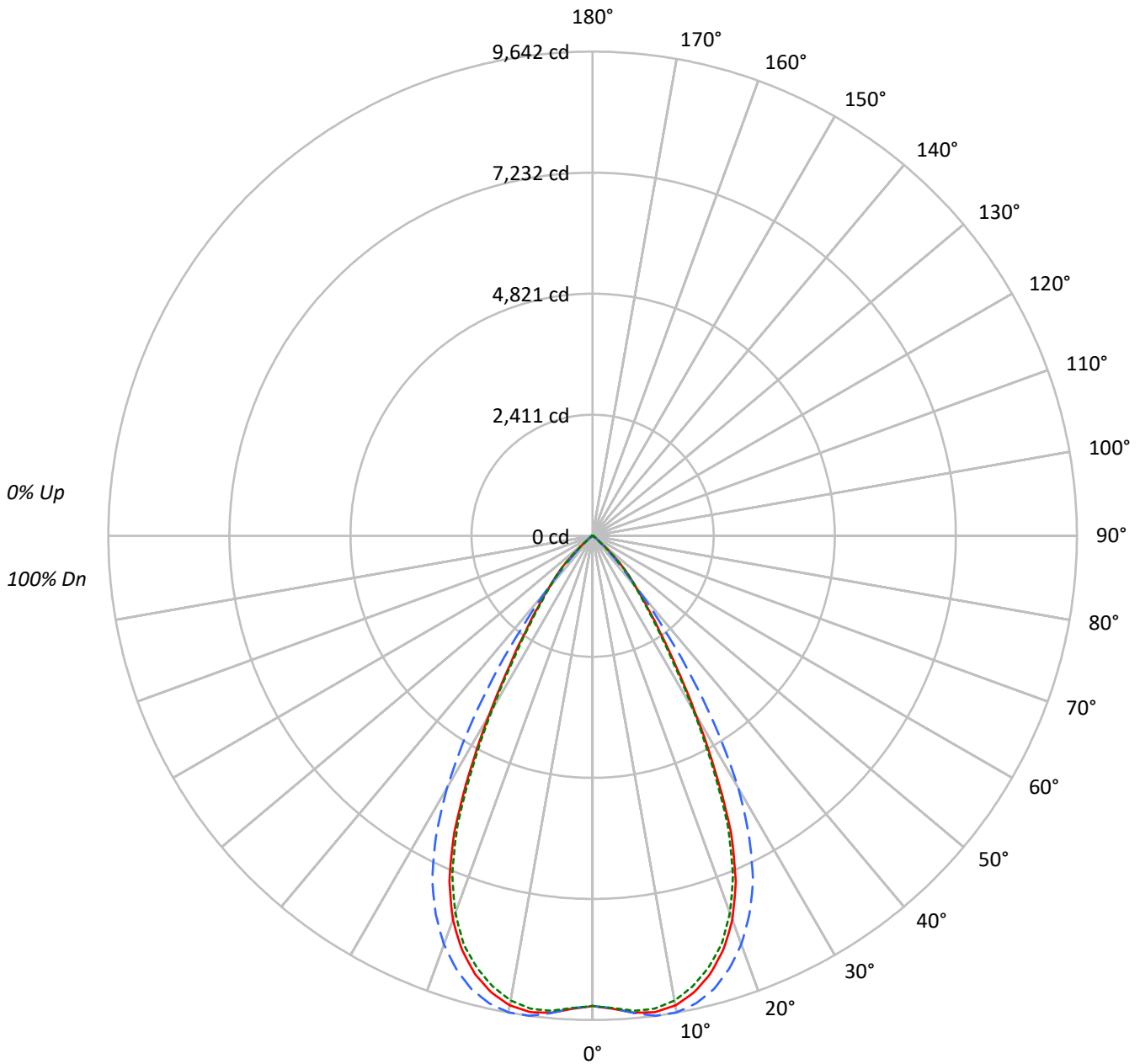
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9026.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	403104	403104	403104
5°	412134	412454	410315
10°	415164	421333	410836
15°	402757	416442	396909
20°	372714	396645	366024
25°	309767	358922	302356
30°	204300	288236	198150
35°	122830	181384	117233
40°	76388	82088	73325
45°	44620	29696	42958
50°	10449	10282	10114
55°	5014	4834	5014
60°	3195	2988	3195
65°	2272	2017	2272
70°	1561	1561	1561
75°	832	1231	832
80°	1240	1240	1240
85°	1235	1235	1235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	910.3	10.1
10°-20°	2564.0	28.4
20°-30°	3126.8	34.6
30°-40°	1773.9	19.7
40°-50°	544.0	6.0
50°-60°	73.2	0.8
60°-70°	22.5	0.2
70°-80°	8.0	0.1
80°-90°	3.2	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°	6601.2	73.1
0°-40°	8375.1	92.8
0°-60°	8992.3	99.6
0°-90°	9026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9362	9362	9362	9362	9362	
5°	9536	9538	9543	9516	9494	909
15°	9036	9239	9343	9167	8904	2519
25°	6520	7080	7555	7020	6364	2882
35°	2337	2671	3451	2592	2230	1528
45°	733	767	488	738	706	552
55°	67	69	64	67	67	68
65°	22	22	20	22	22	23
75°	5	7	7	7	5	8
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9362.4	9362.4	9362.4	9362.4	9362.4
2.5°	9431.7	9424.3	9414.4	9411.9	9414.4
5°	9535.7	9538.1	9543.1	9515.8	9493.6
7.5°	9567.8	9612.4	9642.1	9570.3	9498.5
10°	9496.0	9587.6	9637.1	9525.8	9397.0
12.5°	9315.3	9466.3	9533.2	9389.6	9191.6
15°	9035.6	9238.6	9342.6	9166.8	8904.4
17.5°	8649.4	8924.2	9040.6	8845.0	8530.6
20°	8134.5	8461.3	8656.8	8401.9	7988.5
22.5°	7448.8	7887.0	8159.3	7832.5	7300.3
25°	6520.5	7080.0	7555.2	7020.5	6364.5
27.5°	5297.6	6030.3	6750.7	5951.1	5156.5
30°	4109.3	4772.8	5797.6	4715.8	3985.6
32.5°	3089.4	3626.6	4649.0	3562.3	2960.7
35°	2336.9	2671.1	3450.9	2591.9	2230.4
37.5°	1777.4	1963.1	2312.1	1906.1	1685.8
40°	1359.1	1440.7	1460.5	1398.7	1304.6
42.5°	1062.0	1062.0	854.1	1029.8	1029.8
45°	732.8	767.4	487.7	737.7	705.5
47.5°	368.9	492.6	267.4	475.3	344.1
50°	156.0	242.6	153.5	235.2	151.0
52.5°	94.1	106.4	94.1	106.4	89.1
55°	66.8	69.3	64.4	66.8	66.8
57.5°	49.5	49.5	47.0	49.5	49.5
60°	37.1	37.1	34.7	37.1	37.1
62.5°	27.2	29.7	27.2	29.7	27.2
65°	22.3	22.3	19.8	22.3	22.3
67.5°	17.3	17.3	14.9	17.3	17.3
70°	12.4	12.4	12.4	12.4	12.4
72.5°	9.9	9.9	9.9	9.9	9.9
75°	5.0	7.4	7.4	7.4	5.0
77.5°	5.0	5.0	5.0	5.0	5.0
80°	5.0	5.0	5.0	5.0	5.0
82.5°	2.5	5.0	5.0	5.0	2.5
85°	2.5	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	2.5	2.5	2.5
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)