

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 EX6C1209030 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 EX6C1209030 6LCSQWLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

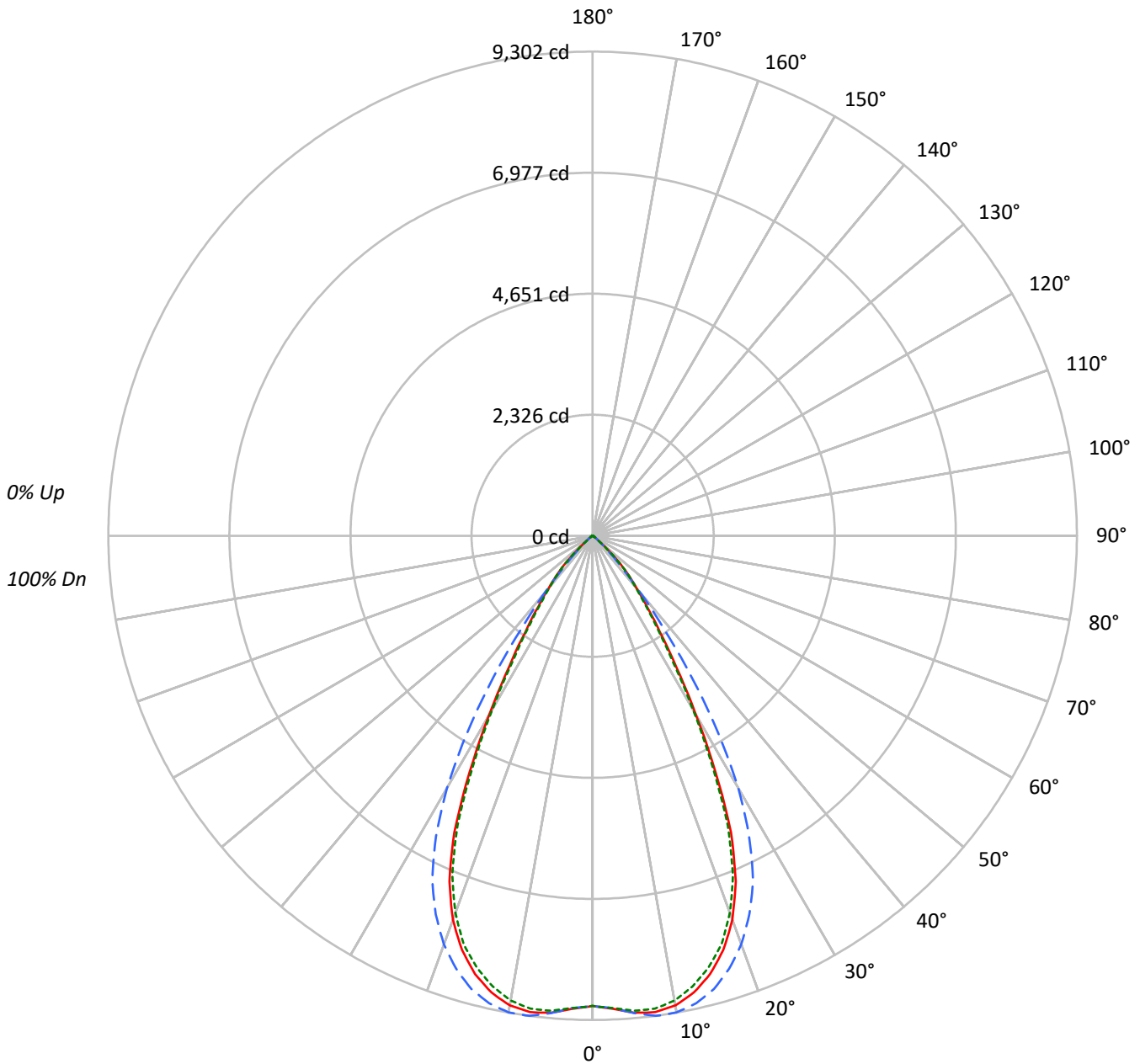
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8708.1 lumens
Efficiency: N/A
Efficacy: 61.2 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°	388900	388900	388900
5°	397612	397923	395857
10°	400540	406490	396364
15°	388569	401768	382926
20°	359582	382675	353126
25°	298855	346281	291705
30°	197106	278084	191165
35°	118499	174992	113107
40°	73696	79199	70740
45°	43043	28649	41448
50°	10081	9920	9759
55°	4842	4662	4842
60°	3083	2876	3083
65°	2190	1946	2190
70°	1498	1498	1498
75°	799	1198	799
80°	1190	1190	1190
85°	1186	1186	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	878.3	10.1
10°-20°	2473.6	28.4
20°-30°	3016.7	34.6
30°-40°	1711.4	19.7
40°-50°	524.9	6.0
50°-60°	70.7	0.8
60°-70°	21.7	0.2
70°-80°	7.7	0.1
80°-90°	3.1	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°	6368.6	73.1
0°-40°	8080.0	92.8
0°-60°	8675.5	99.6
0°-90°	8708.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8708.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9032	9032	9032	9032	9032	
5°	9200	9202	9207	9181	9159	877
15°	8717	8913	9013	8844	8591	2430
25°	6291	6830	7289	6773	6140	2780
35°	2254	2577	3329	2500	2152	1474
45°	707	740	470	712	681	533
55°	64	67	62	64	64	66
65°	22	22	19	22	22	22
75°	5	7	7	7	5	7
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°	9032.5	9032.5	9032.5	9032.5	9032.5
2.5°	9099.4	9092.2	9082.7	9080.3	9082.7
5°	9199.7	9202.1	9206.9	9180.6	9159.1
7.5°	9230.7	9273.7	9302.4	9233.1	9163.9
10°	9161.5	9249.9	9297.6	9190.1	9066.0
12.5°	8987.1	9132.8	9197.3	9058.8	8867.7
15°	8717.3	8913.1	9013.4	8843.8	8590.7
17.5°	8344.7	8609.8	8722.0	8533.4	8230.1
20°	7847.9	8163.2	8351.9	8105.9	7707.0
22.5°	7186.4	7609.1	7871.8	7556.6	7043.1
25°	6290.8	6830.5	7289.1	6773.2	6140.3
27.5°	5110.9	5817.9	6512.9	5741.5	4974.8
30°	3964.6	4604.6	5593.4	4549.7	3845.1
32.5°	2980.6	3498.8	4485.2	3436.8	2856.4
35°	2254.5	2577.0	3329.3	2500.5	2151.9
37.5°	1714.8	1893.9	2230.7	1839.0	1626.4
40°	1311.2	1390.0	1409.1	1349.4	1258.6
42.5°	1024.6	1024.6	824.0	993.5	993.5
45°	706.9	740.4	470.5	711.7	680.7
47.5°	355.9	475.3	257.9	458.6	332.0
50°	150.5	234.1	148.1	226.9	145.7
52.5°	90.8	102.7	90.8	102.7	86.0
55°	64.5	66.9	62.1	64.5	64.5
57.5°	47.8	47.8	45.4	47.8	47.8
60°	35.8	35.8	33.4	35.8	35.8
62.5°	26.3	28.7	26.3	28.7	26.3
65°	21.5	21.5	19.1	21.5	21.5
67.5°	16.7	16.7	14.3	16.7	16.7
70°	11.9	11.9	11.9	11.9	11.9
72.5°	9.6	9.6	9.6	9.6	9.6
75°	4.8	7.2	7.2	7.2	4.8
77.5°	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8
82.5°	2.4	4.8	4.8	4.8	2.4
85°	2.4	2.4	2.4	2.4	2.4
87.5°	2.4	2.4	2.4	2.4	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)