

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: **LX6C100D010 EX6C1009050 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: LX6C100D010 EX6C1009050 6LCSQWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

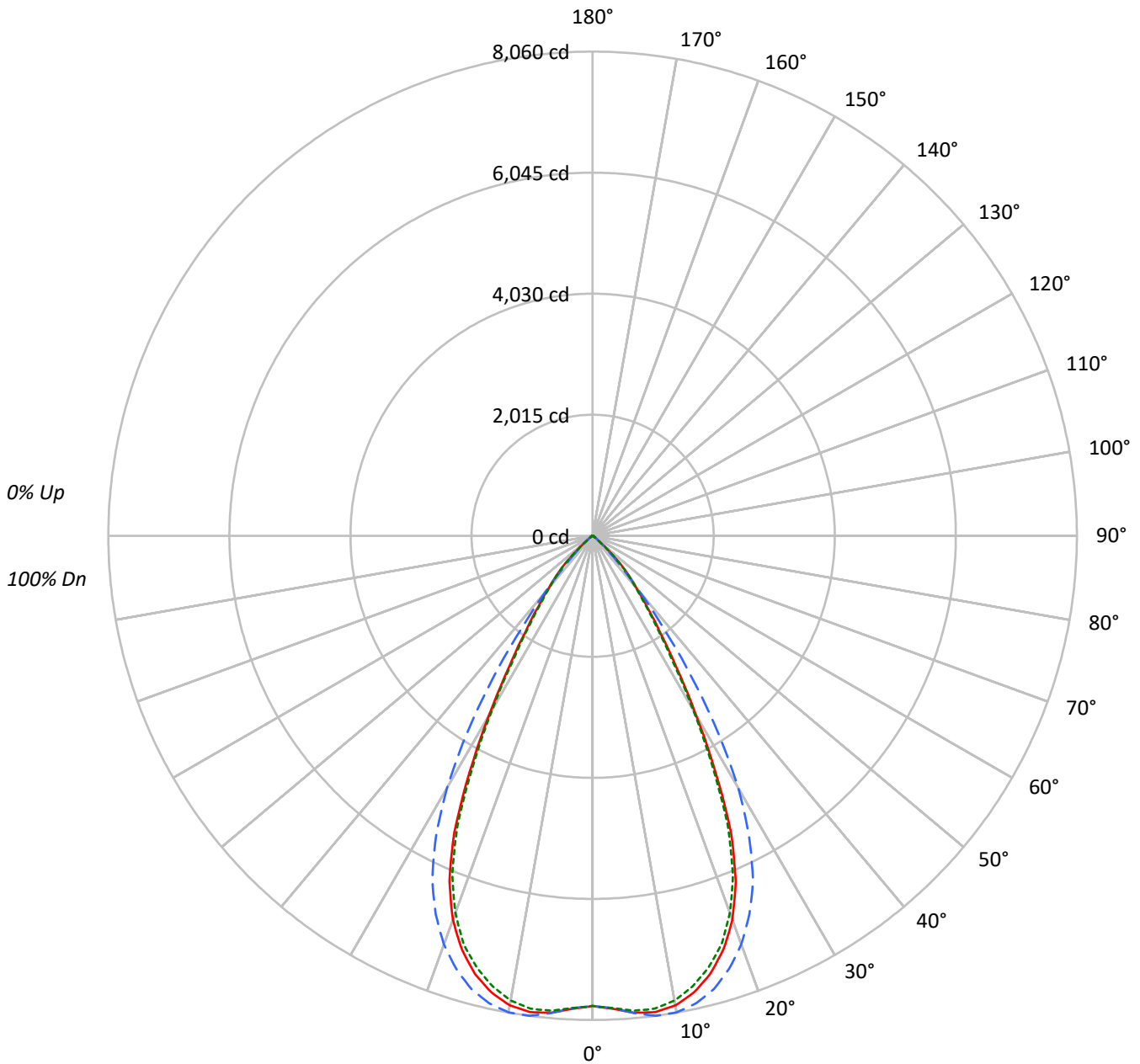
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7545.0 lumens
Efficiency: N/A
Efficacy: 66.0 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): 114.4
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°	336962	336962	336962
5°	344508	344776	342991
10°	347044	352203	343424
15°	336671	348109	331786
20°	311559	331564	305965
25°	258940	300033	252745
30°	170781	240946	165635
35°	102673	151618	98000
40°	63855	68621	61292
45°	37295	24825	35913
50°	8735	8594	8453
55°	4196	4039	4196
60°	2669	2497	2669
65°	1895	1691	1895
70°	1297	1297	1297
75°	682	1031	682
80°	1017	1017	1017
85°	1037	1037	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.0	10.1
10°-20°	2143.3	28.4
20°-30°	2613.8	34.6
30°-40°	1482.8	19.7
40°-50°	454.8	6.0
50°-60°	61.2	0.8
60°-70°	18.8	0.2
70°-80°	6.7	0.1
80°-90°	2.7	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°	5518.0	73.1
0°-40°	7000.9	92.8
0°-60°	7516.8	99.6
0°-90°	7545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7545.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7826	7826	7826	7826	7826	
5°	7971	7973	7977	7954	7936	760
15°	7553	7723	7810	7663	7443	2105
25°	5451	5918	6316	5869	5320	2409
35°	1953	2233	2885	2167	1864	1277
45°	612	642	408	617	590	461
55°	56	58	54	56	56	57
65°	19	19	17	19	19	19
75°	4	6	6	6	4	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7826.2	7826.2	7826.2	7826.2	7826.2
2.5°	7884.1	7877.9	7869.6	7867.6	7869.6
5°	7971.0	7973.1	7977.2	7954.5	7935.9
7.5°	7997.9	8035.2	8060.0	8000.0	7940.0
10°	7937.9	8014.5	8055.9	7962.8	7855.1
12.5°	7786.9	7913.1	7969.0	7848.9	7683.4
15°	7553.0	7722.7	7809.6	7662.7	7443.4
17.5°	7230.2	7459.9	7557.2	7393.7	7130.9
20°	6799.8	7072.9	7236.4	7023.3	6677.7
22.5°	6226.6	6592.9	6820.5	6547.3	6102.4
25°	5450.6	5918.3	6315.6	5868.6	5320.2
27.5°	4428.3	5040.9	5643.0	4974.7	4310.4
30°	3435.1	3989.7	4846.4	3942.1	3331.6
32.5°	2582.5	3031.6	3886.2	2977.8	2474.9
35°	1953.4	2232.8	2884.6	2166.6	1864.5
37.5°	1485.8	1641.0	1932.7	1593.4	1409.2
40°	1136.1	1204.3	1220.9	1169.2	1090.5
42.5°	887.7	887.7	713.9	860.8	860.8
45°	612.5	641.5	407.7	616.7	589.8
47.5°	308.3	411.8	223.5	397.3	287.6
50°	130.4	202.8	128.3	196.6	126.2
52.5°	78.6	89.0	78.6	89.0	74.5
55°	55.9	57.9	53.8	55.9	55.9
57.5°	41.4	41.4	39.3	41.4	41.4
60°	31.0	31.0	29.0	31.0	31.0
62.5°	22.8	24.8	22.8	24.8	22.8
65°	18.6	18.6	16.6	18.6	18.6
67.5°	14.5	14.5	12.4	14.5	14.5
70°	10.3	10.3	10.3	10.3	10.3
72.5°	8.3	8.3	8.3	8.3	8.3
75°	4.1	6.2	6.2	6.2	4.1
77.5°	4.1	4.1	4.1	4.1	4.1
80°	4.1	4.1	4.1	4.1	4.1
82.5°	2.1	4.1	4.1	4.1	2.1
85°	2.1	2.1	2.1	2.1	2.1
87.5°	2.1	2.1	2.1	2.1	2.1
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)