

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 EX6C1009040 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 EX6C1009040 6LCSQWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

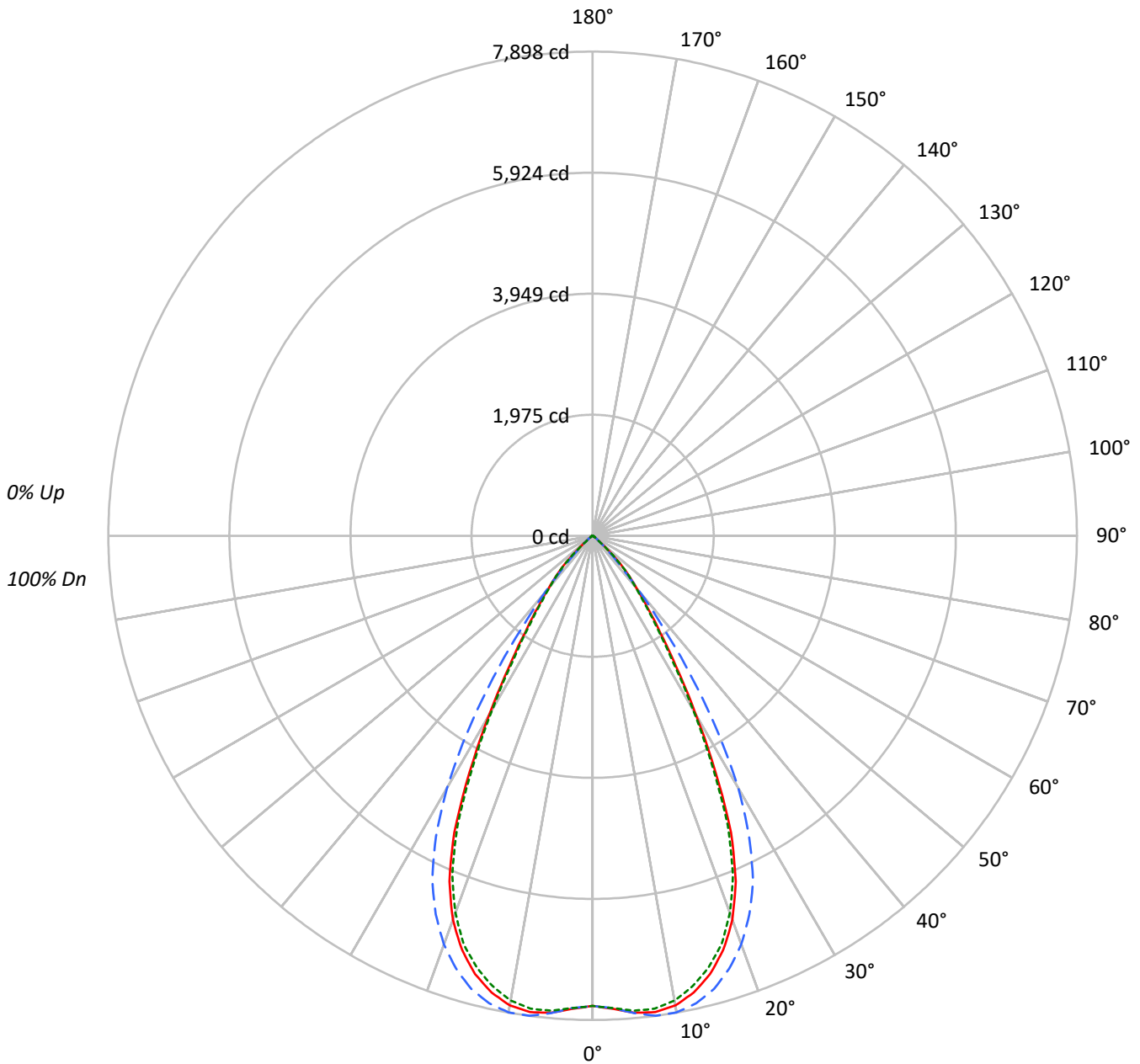
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7393.0 lumens
Efficiency: N/A
Efficacy: 64.6 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°	330172	330172	330172
5°	337566	337830	336080
10°	340053	345107	336507
15°	329891	341097	325100
20°	305282	324883	299802
25°	253724	293985	247652
30°	167340	236088	162299
35°	100607	148564	96024
40°	62568	67238	60061
45°	36546	24319	35188
50°	8554	8420	8286
55°	4106	3956	4106
60°	2618	2446	2618
65°	1854	1650	1854
70°	1271	1271	1271
75°	682	1015	682
80°	1017	1017	1017
85°	988	988	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.6	10.1
10°-20°	2100.1	28.4
20°-30°	2561.1	34.6
30°-40°	1453.0	19.7
40°-50°	445.6	6.0
50°-60°	60.0	0.8
60°-70°	18.4	0.2
70°-80°	6.6	0.1
80°-90°	2.6	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°	5406.9	73.1
0°-40°	6859.8	92.8
0°-60°	7365.4	99.6
0°-90°	7393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7668	7668	7668	7668	7668	
5°	7810	7812	7816	7794	7776	744
15°	7401	7567	7652	7508	7293	2063
25°	5341	5799	6188	5750	5213	2361
35°	1914	2188	2826	2123	1827	1251
45°	600	629	399	604	578	452
55°	55	57	53	55	55	56
65°	18	18	16	18	18	18
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°	7668.5	7668.5	7668.5	7668.5	7668.5
2.5°	7725.3	7719.2	7711.1	7709.1	7711.1
5°	7810.4	7812.5	7816.5	7794.2	7776.0
7.5°	7836.8	7873.3	7897.6	7838.8	7780.0
10°	7778.0	7853.0	7893.6	7802.3	7696.9
12.5°	7630.0	7753.7	7808.4	7690.8	7528.6
15°	7400.9	7567.1	7652.3	7508.3	7293.4
17.5°	7084.6	7309.6	7404.9	7244.7	6987.2
20°	6662.8	6930.5	7090.6	6881.8	6543.2
22.5°	6101.2	6460.0	6683.1	6415.4	5979.5
25°	5340.8	5799.0	6188.3	5750.4	5213.0
27.5°	4339.1	4939.3	5529.4	4874.4	4223.6
30°	3365.9	3909.3	4748.7	3862.6	3264.5
32.5°	2530.5	2970.5	3807.9	2917.8	2425.1
35°	1914.1	2187.8	2826.5	2122.9	1826.9
37.5°	1455.8	1607.9	1893.8	1561.3	1380.8
40°	1113.2	1180.1	1196.3	1145.6	1068.6
42.5°	869.9	869.9	699.5	843.5	843.5
45°	600.2	628.6	399.4	604.2	577.9
47.5°	302.1	403.5	219.0	389.3	281.8
50°	127.7	198.7	125.7	192.6	123.7
52.5°	77.1	87.2	77.1	87.2	73.0
55°	54.7	56.8	52.7	54.7	54.7
57.5°	40.6	40.6	38.5	40.6	40.6
60°	30.4	30.4	28.4	30.4	30.4
62.5°	22.3	24.3	22.3	24.3	22.3
65°	18.2	18.2	16.2	18.2	18.2
67.5°	14.2	14.2	12.2	14.2	14.2
70°	10.1	10.1	10.1	10.1	10.1
72.5°	8.1	8.1	8.1	8.1	8.1
75°	4.1	6.1	6.1	6.1	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°	2.0	4.1	4.1	4.1	2.0
85°	2.0	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	2.0	2.0
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)