

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: **LX6C130D010 EX6C1309030 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: LX6C130D010 EX6C1309030 6LCSQWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

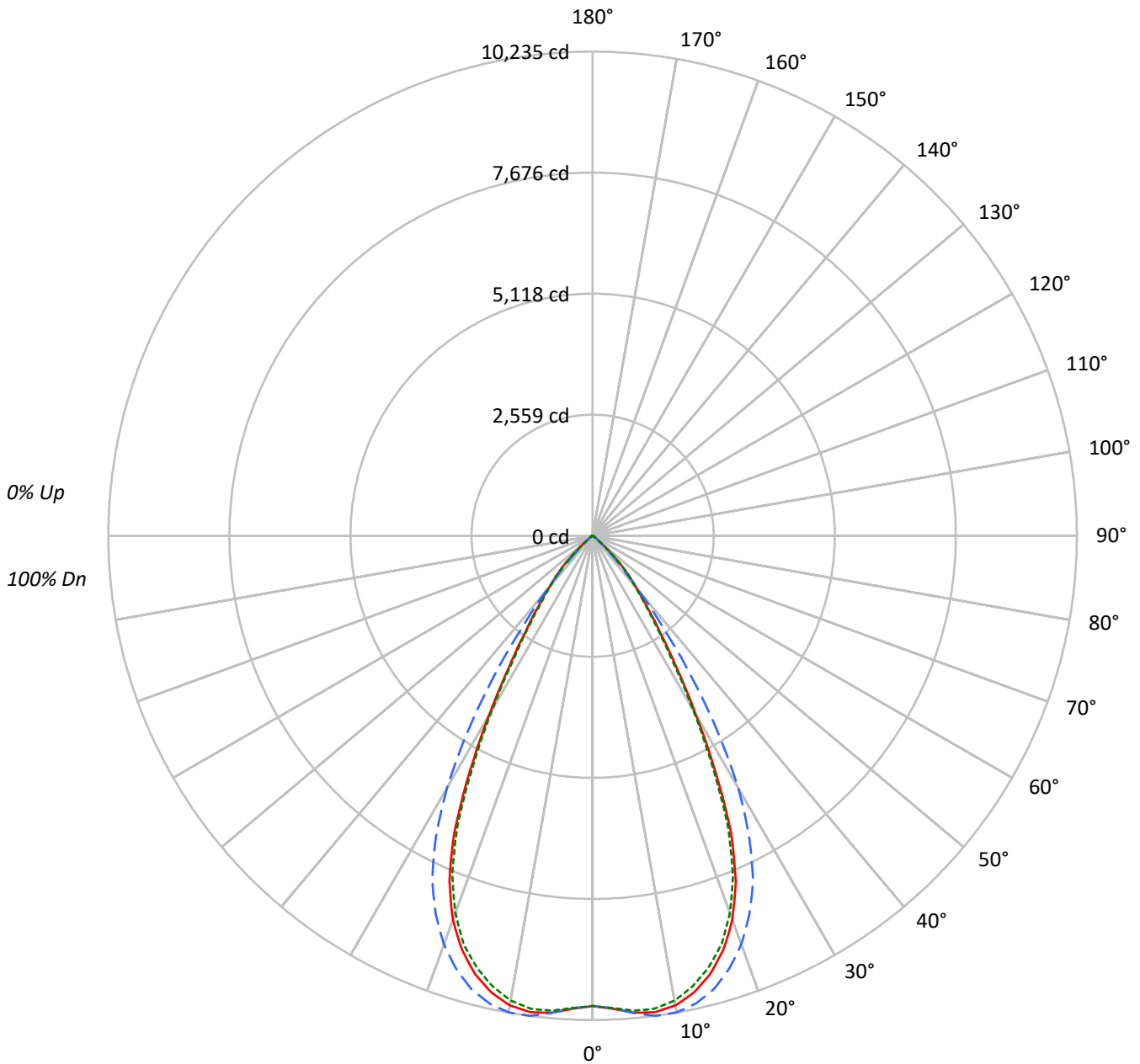
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9581.0 lumens
Efficiency: N/A
Efficacy: 66.4 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): 144.3
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°	427891	427891	427891
5°	437474	437816	435542
10°	440692	447241	436097
15°	427523	442045	421314
20°	395632	421039	388530
25°	328813	380994	320950
30°	216863	305960	210330
35°	130383	192532	124444
40°	81082	87140	77833
45°	47360	31523	45600
50°	11086	10911	10737
55°	5322	5127	5322
60°	3393	3169	3393
65°	2404	2139	2404
70°	1649	1649	1649
75°	882	1314	882
80°	1314	1314	1314
85°	1284	1284	1284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.3	10.1
10°-20°	2721.6	28.4
20°-30°	3319.1	34.6
30°-40°	1883.0	19.7
40°-50°	577.5	6.0
50°-60°	77.7	0.8
60°-70°	23.9	0.2
70°-80°	8.5	0.1
80°-90°	3.4	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°	7007.0	73.1
0°-40°	8890.0	92.8
0°-60°	9545.2	99.6
0°-90°	9581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9938	9938	9938	9938	9938	
5°	10122	10125	10130	10101	10077	965
15°	9591	9807	9917	9730	9452	2674
25°	6921	7515	8020	7452	6756	3059
35°	2481	2835	3663	2751	2368	1622
45°	778	815	518	783	749	586
55°	71	74	68	71	71	72
65°	24	24	21	24	24	24
75°	5	8	8	8	5	8
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9938.1	9938.1	9938.1	9938.1	9938.1
2.5°	10011.6	10003.7	9993.2	9990.6	9993.2
5°	10122.0	10124.6	10129.9	10101.0	10077.3
7.5°	10156.2	10203.5	10235.0	10158.8	10082.6
10°	10079.9	10177.2	10229.7	10111.5	9974.8
12.5°	9888.1	10048.4	10119.4	9967.0	9756.7
15°	9591.2	9806.7	9917.0	9730.5	9451.9
17.5°	9181.3	9472.9	9596.4	9388.9	9055.1
20°	8634.7	8981.6	9189.2	8918.5	8479.7
22.5°	7906.8	8371.9	8661.0	8314.1	7749.2
25°	6921.4	7515.3	8019.8	7452.2	6755.9
27.5°	5623.3	6401.1	7165.8	6317.0	5473.5
30°	4362.0	5066.3	6154.1	5005.8	4230.6
32.5°	3279.4	3849.6	4934.9	3781.3	3142.8
35°	2480.6	2835.3	3663.0	2751.2	2367.6
37.5°	1886.7	2083.8	2454.3	2023.3	1789.5
40°	1442.6	1529.3	1550.4	1484.7	1384.8
42.5°	1127.3	1127.3	906.6	1093.1	1093.1
45°	777.8	814.6	517.7	783.1	748.9
47.5°	391.5	522.9	283.8	504.5	365.3
50°	165.5	257.5	162.9	249.6	160.3
52.5°	99.9	113.0	99.9	113.0	94.6
55°	70.9	73.6	68.3	70.9	70.9
57.5°	52.6	52.6	49.9	52.6	52.6
60°	39.4	39.4	36.8	39.4	39.4
62.5°	28.9	31.5	28.9	31.5	28.9
65°	23.6	23.6	21.0	23.6	23.6
67.5°	18.4	18.4	15.8	18.4	18.4
70°	13.1	13.1	13.1	13.1	13.1
72.5°	10.5	10.5	10.5	10.5	10.5
75°	5.3	7.9	7.9	7.9	5.3
77.5°	5.3	5.3	5.3	5.3	5.3
80°	5.3	5.3	5.3	5.3	5.3
82.5°	2.6	5.3	5.3	5.3	2.6
85°	2.6	2.6	2.6	2.6	2.6
87.5°	2.6	2.6	2.6	2.6	2.6
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)