

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 EX6C1309050 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 EX6C1309050 6LCSQWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

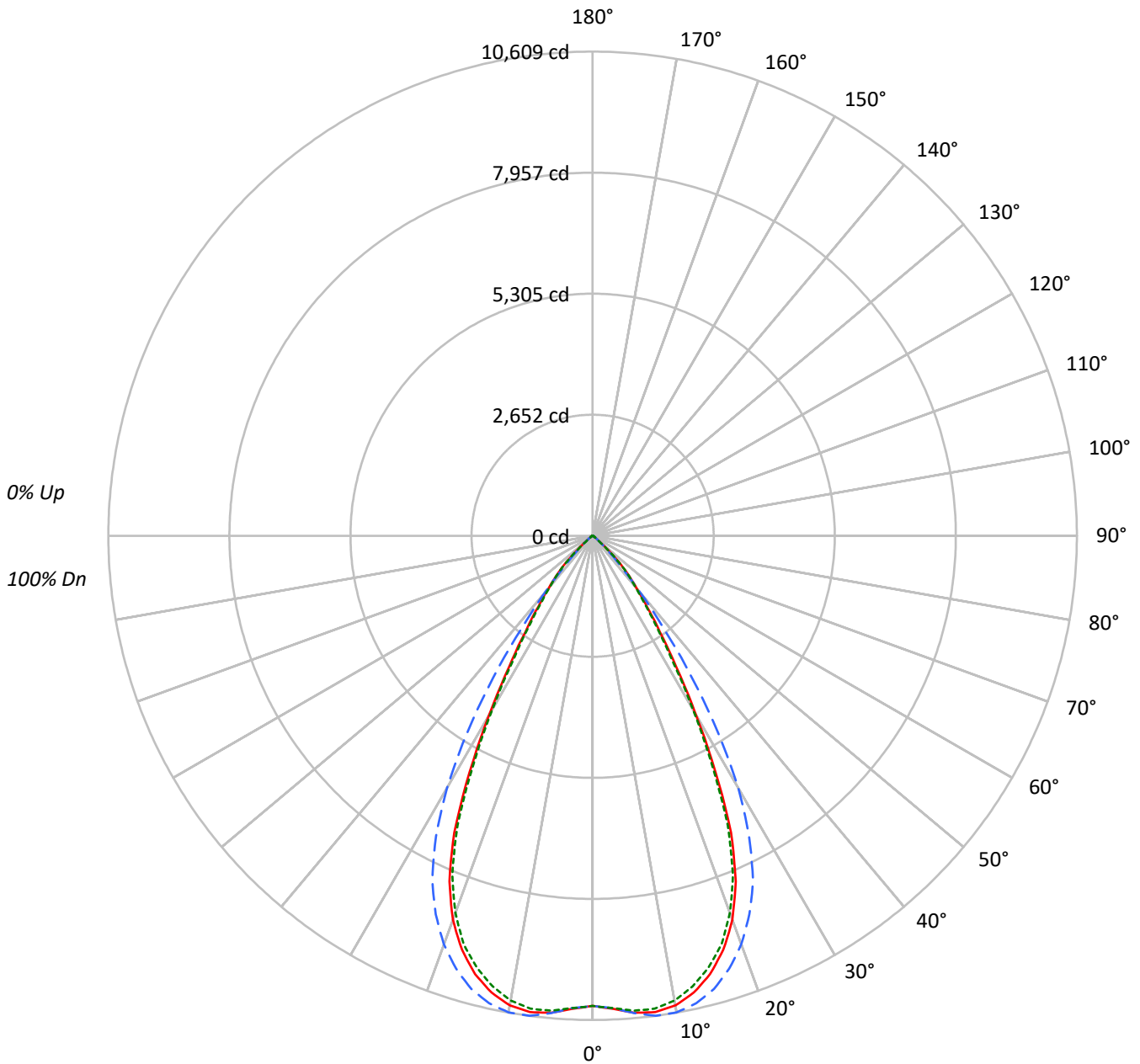
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9931.0 lumens
Efficiency: N/A
Efficacy: 68.8 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°	443521	443521	443521
5°	453457	453807	451456
10°	456794	463579	452028
15°	443142	458195	436705
20°	410084	436416	402720
25°	340827	394913	332675
30°	224788	317136	218016
35°	135146	199570	128991
40°	84044	90322	80677
45°	49089	32674	47269
50°	11494	11313	11126
55°	5517	5315	5517
60°	3522	3281	3522
65°	2496	2221	2496
70°	1712	1712	1712
75°	898	1364	898
80°	1339	1339	1339
85°	1334	1334	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1001.6	10.1
10°-20°	2821.1	28.4
20°-30°	3440.4	34.6
30°-40°	1951.8	19.7
40°-50°	598.6	6.0
50°-60°	80.6	0.8
60°-70°	24.8	0.2
70°-80°	8.8	0.1
80°-90°	3.5	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°	7263.0	73.1
0°-40°	9214.8	92.8
0°-60°	9894.0	99.6
0°-90°	9931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10301	10301	10301	10301	10301	
5°	10492	10494	10500	10470	10446	###
15°	9942	10165	10279	10086	9797	2771
25°	7174	7790	8313	7724	7003	3171
35°	2571	2939	3797	2852	2454	1681
45°	806	844	537	812	776	607
55°	74	76	71	74	74	75
65°	24	24	22	24	24	25
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°	10301.1	10301.1	10301.1	10301.1	10301.1
2.5°	10377.4	10369.2	10358.3	10355.6	10358.3
5°	10491.8	10494.5	10499.9	10470.0	10445.5
7.5°	10527.2	10576.2	10608.9	10529.9	10450.9
10°	10448.2	10549.0	10603.4	10480.9	10339.2
12.5°	10249.3	10415.5	10489.0	10331.1	10113.2
15°	9941.6	10164.9	10279.3	10085.9	9797.2
17.5°	9516.7	9819.0	9947.0	9731.8	9385.9
20°	8950.1	9309.7	9524.8	9244.3	8789.4
22.5°	8195.7	8677.8	8977.4	8617.8	8032.2
25°	7174.3	7789.8	8312.8	7724.5	7002.7
27.5°	5828.8	6635.0	7427.6	6547.8	5673.5
30°	4521.4	5251.3	6378.9	5188.7	4385.2
32.5°	3399.2	3990.2	5115.1	3919.4	3257.6
35°	2571.2	2938.9	3796.9	2851.7	2454.1
37.5°	1955.6	2159.9	2544.0	2097.3	1854.9
40°	1495.3	1585.2	1607.0	1538.9	1435.4
42.5°	1168.5	1168.5	939.7	1133.1	1133.1
45°	806.2	844.4	536.6	811.7	776.3
47.5°	405.8	542.0	294.2	523.0	378.6
50°	171.6	266.9	168.9	258.8	166.1
52.5°	103.5	117.1	103.5	117.1	98.1
55°	73.5	76.3	70.8	73.5	73.5
57.5°	54.5	54.5	51.8	54.5	54.5
60°	40.9	40.9	38.1	40.9	40.9
62.5°	30.0	32.7	30.0	32.7	30.0
65°	24.5	24.5	21.8	24.5	24.5
67.5°	19.1	19.1	16.3	19.1	19.1
70°	13.6	13.6	13.6	13.6	13.6
72.5°	10.9	10.9	10.9	10.9	10.9
75°	5.4	8.2	8.2	8.2	5.4
77.5°	5.4	5.4	5.4	5.4	5.4
80°	5.4	5.4	5.4	5.4	5.4
82.5°	2.7	5.4	5.4	5.4	2.7
85°	2.7	2.7	2.7	2.7	2.7
87.5°	2.7	2.7	2.7	2.7	2.7
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)