

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 EX6C1309040 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 EX6C1309040 6LCSQWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

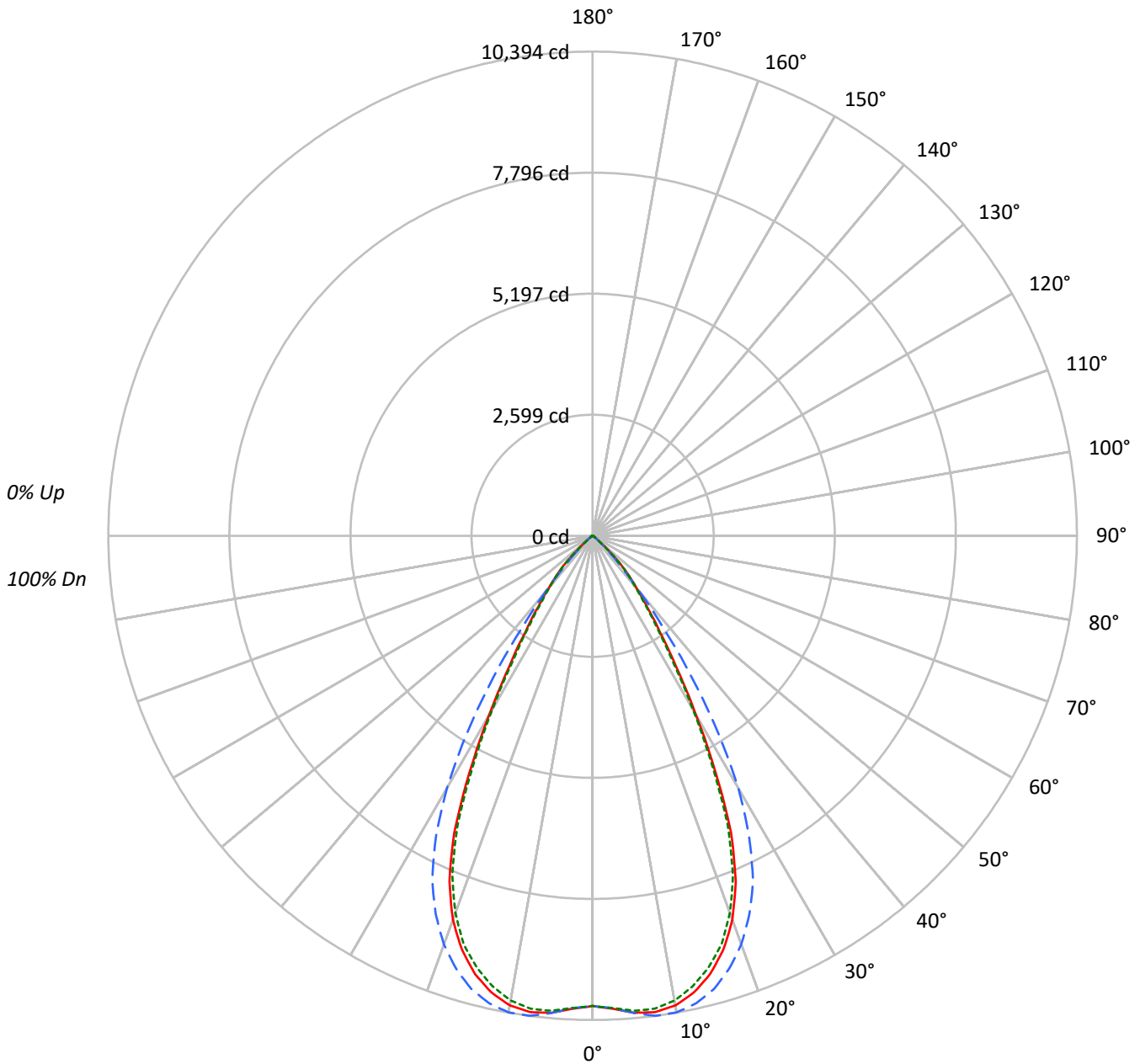
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9730.0 lumens
Efficiency: N/A
Efficacy: 67.4 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°	434544	434544	434544
5°	444277	444623	442315
10°	447547	454197	442882
15°	434173	448923	427866
20°	401786	427586	394569
25°	333929	386918	325938
30°	220239	310718	213602
35°	132407	195528	126378
40°	82346	88495	79041
45°	48097	32010	46307
50°	11260	11086	10905
55°	5412	5210	5412
60°	3444	3221	3444
65°	2445	2170	2445
70°	1674	1674	1674
75°	882	1331	882
80°	1314	1314	1314
85°	1334	1334	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	981.3	10.1
10°-20°	2764.0	28.4
20°-30°	3370.7	34.6
30°-40°	1912.3	19.7
40°-50°	586.5	6.0
50°-60°	78.9	0.8
60°-70°	24.2	0.2
70°-80°	8.6	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°	7116.0	73.1
0°-40°	9028.3	92.8
0°-60°	9693.7	99.6
0°-90°	9730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10093	10093	10093	10093	10093	
5°	10279	10282	10287	10258	10234	980
15°	9740	9959	10071	9882	9599	2715
25°	7029	7632	8144	7568	6861	3107
35°	2519	2879	3720	2794	2404	1647
45°	790	827	526	795	760	595
55°	72	75	69	72	72	73
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°	10092.6	10092.6	10092.6	10092.6	10092.6
2.5°	10167.3	10159.3	10148.6	10146.0	10148.6
5°	10279.4	10282.1	10287.4	10258.1	10234.0
7.5°	10314.1	10362.1	10394.2	10316.8	10239.4
10°	10236.7	10335.4	10388.8	10268.7	10130.0
12.5°	10041.9	10204.7	10276.7	10122.0	9908.5
15°	9740.4	9959.2	10071.3	9881.8	9598.9
17.5°	9324.1	9620.3	9745.7	9534.9	9196.0
20°	8769.0	9121.2	9332.1	9057.2	8611.5
22.5°	8029.8	8502.1	8795.7	8443.4	7869.7
25°	7029.1	7632.2	8144.5	7568.1	6860.9
27.5°	5710.8	6500.7	7277.2	6415.3	5558.7
30°	4429.9	5145.0	6249.8	5083.7	4296.4
32.5°	3330.4	3909.5	5011.6	3840.1	3191.6
35°	2519.1	2879.4	3720.0	2794.0	2404.4
37.5°	1916.0	2116.2	2492.5	2054.8	1817.3
40°	1465.1	1553.1	1574.5	1507.8	1406.3
42.5°	1144.8	1144.8	920.7	1110.1	1110.1
45°	789.9	827.3	525.7	795.2	760.5
47.5°	397.6	531.0	288.2	512.4	370.9
50°	168.1	261.5	165.5	253.5	162.8
52.5°	101.4	114.7	101.4	114.7	96.1
55°	72.1	74.7	69.4	72.1	72.1
57.5°	53.4	53.4	50.7	53.4	53.4
60°	40.0	40.0	37.4	40.0	40.0
62.5°	29.4	32.0	29.4	32.0	29.4
65°	24.0	24.0	21.3	24.0	24.0
67.5°	18.7	18.7	16.0	18.7	18.7
70°	13.3	13.3	13.3	13.3	13.3
72.5°	10.7	10.7	10.7	10.7	10.7
75°	5.3	8.0	8.0	8.0	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°	2.7	5.3	5.3	5.3	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)