

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 EX6C1309027 6LCSQWH**

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 (G1-2105-247-24)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309027 6LCSQWH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

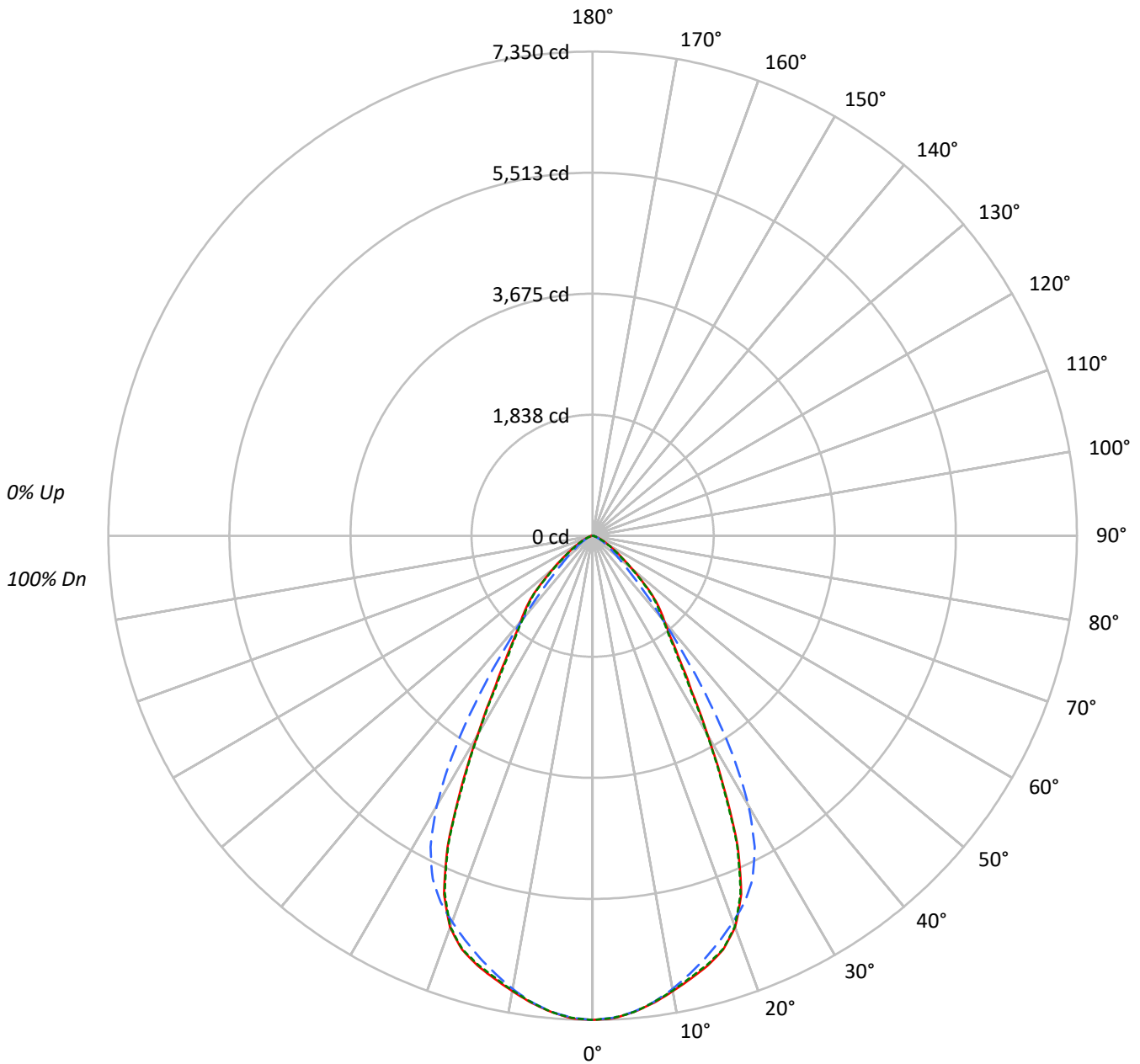
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8051.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.95 / 0.97
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				100															
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92															
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84															
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77															
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71				71															
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65				65															
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				60															
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56				56															
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52				52															
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48				48															
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	316450	316450	316450
5°	313614	313398	313614
10°	306857	305418	306415
15°	301025	295618	300236
20°	289855	285690	289277
25°	247705	272916	246503
30°	173401	235352	171894
35°	121154	163665	118363
40°	95459	91766	92761
45°	78792	51555	77562
50°	52823	32674	50960
55°	34905	22384	33201
60°	23508	15233	22199
65°	15710	10555	14681
70°	10499	7641	9869
75°	6721	5473	6305
80°	4389	4389	4389
85°	3754	3754	3754



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.2	8.5
10°-20°	1881.3	23.4
20°-30°	2431.2	30.2
30°-40°	1646.1	20.4
40°-50°	866.1	10.8
50°-60°	362.5	4.5
60°-70°	130.1	1.6
70°-80°	40.4	0.5
80°-90°	9.1	0.1
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°	4996.8	62.1
0°-40°	6642.8	82.5
0°-60°	7871.4	97.8
0°-90°	8051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7350	7350	7350	7350	7350	
5°	7256	7254	7251	7254	7256	685
15°	6753	6690	6632	6678	6736	1897
25°	5214	5434	5745	5434	5189	2313
35°	2305	2484	3114	2446	2252	1492
45°	1294	1185	847	1163	1274	970
55°	465	397	298	389	442	436
65°	154	124	104	121	144	160
75°	40	35	33	33	38	47
85°	8	8	8	8	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7349.8	7349.8	7349.8	7349.8	7349.8
2.5°	7332.1	7324.5	7322.0	7324.5	7324.5
5°	7256.2	7253.7	7251.2	7253.7	7256.2
7.5°	7150.1	7142.5	7137.5	7137.5	7140.0
10°	7018.7	7006.0	6985.8	6998.4	7008.6
12.5°	6887.2	6856.9	6811.4	6841.7	6867.0
15°	6753.3	6690.1	6632.0	6677.5	6735.6
17.5°	6589.0	6525.8	6434.8	6513.2	6578.9
20°	6326.1	6288.2	6235.2	6288.2	6313.5
22.5°	5894.0	5939.5	6025.4	5931.9	5863.6
25°	5214.1	5434.0	5744.8	5434.0	5188.8
27.5°	4321.9	4703.5	5327.8	4673.2	4284.0
30°	3487.8	3864.4	4733.9	3867.0	3457.5
32.5°	2800.4	3101.2	3978.2	3058.2	2742.3
35°	2305.0	2484.5	3113.8	2446.5	2251.9
37.5°	1941.1	1999.2	2279.7	1966.3	1900.6
40°	1698.4	1650.4	1632.7	1625.1	1650.4
42.5°	1506.3	1392.6	1182.8	1364.8	1460.9
45°	1294.0	1185.4	846.7	1162.6	1273.8
47.5°	1018.6	973.1	629.3	952.8	983.2
50°	788.6	727.9	487.8	715.3	760.8
52.5°	606.6	538.3	384.2	520.6	576.3
55°	465.0	396.8	298.2	389.2	442.3
57.5°	358.9	298.2	230.0	288.1	341.2
60°	273.0	224.9	176.9	214.8	257.8
62.5°	204.7	166.8	136.5	161.8	194.6
65°	154.2	123.8	103.6	121.3	144.1
67.5°	113.7	93.5	78.4	88.5	106.2
70°	83.4	68.2	60.7	65.7	78.4
72.5°	58.1	50.5	45.5	48.0	53.1
75°	40.4	35.4	32.9	32.9	37.9
77.5°	27.8	25.3	22.7	25.3	27.8
80°	17.7	17.7	17.7	17.7	17.7
82.5°	12.6	12.6	12.6	12.6	10.1
85°	7.6	7.6	7.6	7.6	7.6
87.5°	5.1	5.1	5.1	5.1	2.5
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)