

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: **LX6C10D010 EX6C109030 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: LX6C10D010 EX6C109030 6LCSQWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

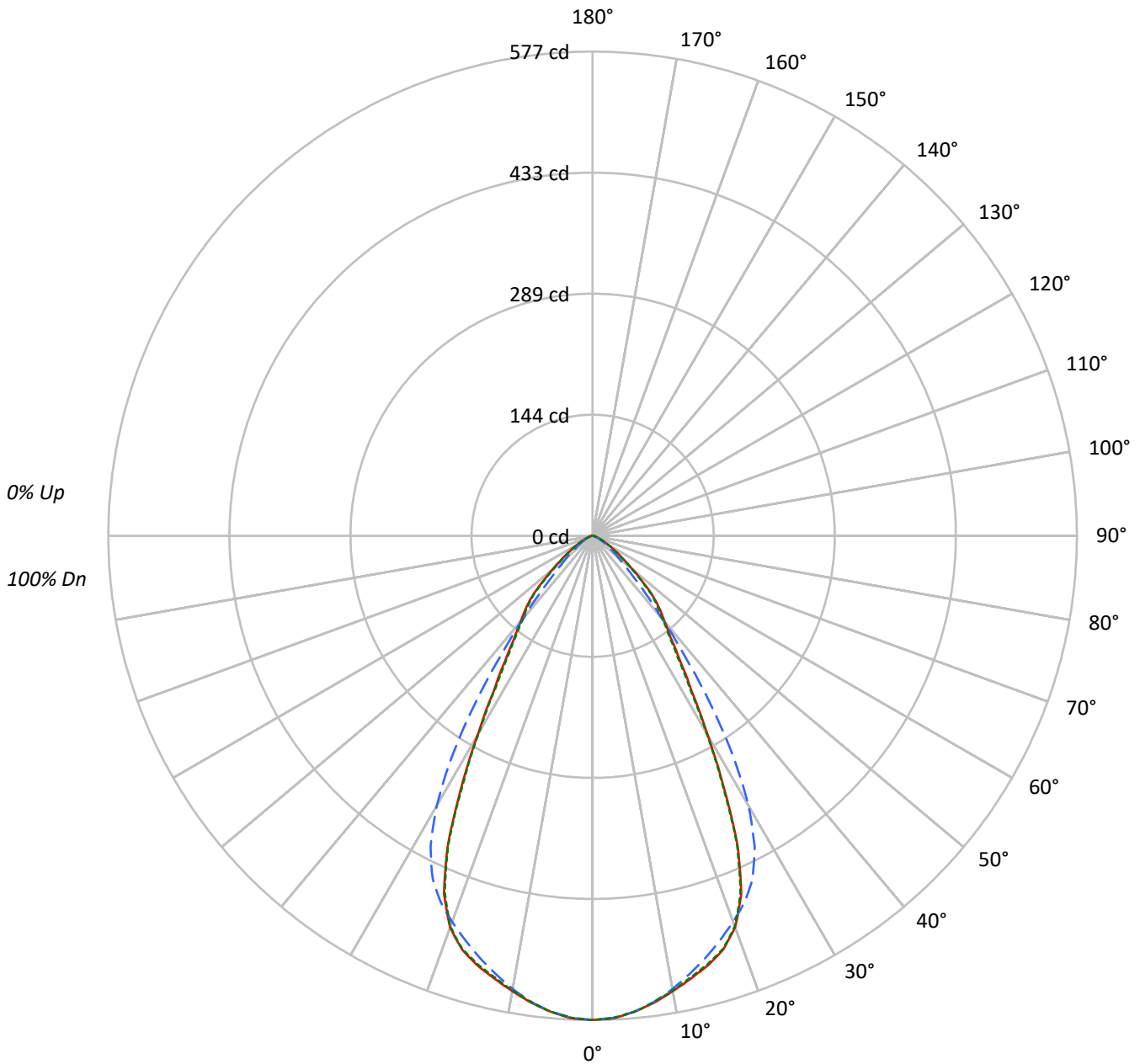
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 632.0 lumens
Efficiency: N/A
Efficacy: 64.5 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): 9.8
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°	24843	24843	24843
5°	24618	24601	24618
10°	24090	23976	24055
15°	23629	23205	23567
20°	22754	22428	22708
25°	19444	21426	19349
30°	13612	18475	13493
35°	9508	12846	9293
40°	7492	7206	7284
45°	6186	4049	6089
50°	4146	2565	3999
55°	2740	1757	2605
60°	1843	1197	1739
65°	1233	825	1151
70°	818	604	780
75°	532	433	499
80°	347	347	347
85°	296	296	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	8.5
10°-20°	147.7	23.4
20°-30°	190.9	30.2
30°-40°	129.2	20.4
40°-50°	68.0	10.8
50°-60°	28.5	4.5
60°-70°	10.2	1.6
70°-80°	3.2	0.5
80°-90°	0.7	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°	392.2	62.1
0°-40°	521.5	82.5
0°-60°	617.9	97.8
0°-90°	632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	632.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	577	577	577	577	577	
5°	570	569	569	569	570	54
15°	530	525	521	524	529	149
25°	409	427	451	427	407	182
35°	181	195	244	192	177	117
45°	102	93	66	91	100	76
55°	36	31	23	31	35	34
65°	12	10	8	10	11	13
75°	3	3	3	3	3	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	577.0	577.0	577.0	577.0	577.0
2.5°	575.6	575.0	574.8	575.0	575.0
5°	569.6	569.4	569.2	569.4	569.6
7.5°	561.3	560.7	560.3	560.3	560.5
10°	551.0	550.0	548.4	549.4	550.2
12.5°	540.6	538.3	534.7	537.1	539.1
15°	530.1	525.2	520.6	524.2	528.7
17.5°	517.2	512.3	505.1	511.3	516.4
20°	496.6	493.6	489.5	493.6	495.6
22.5°	462.7	466.2	473.0	465.6	460.3
25°	409.3	426.6	451.0	426.6	407.3
27.5°	339.3	369.2	418.2	366.8	336.3
30°	273.8	303.4	371.6	303.6	271.4
32.5°	219.8	243.4	312.3	240.1	215.3
35°	180.9	195.0	244.4	192.1	176.8
37.5°	152.4	156.9	179.0	154.4	149.2
40°	133.3	129.6	128.2	127.6	129.6
42.5°	118.2	109.3	92.9	107.1	114.7
45°	101.6	93.1	66.5	91.3	100.0
47.5°	80.0	76.4	49.4	74.8	77.2
50°	61.9	57.1	38.3	56.1	59.7
52.5°	47.6	42.3	30.2	40.9	45.2
55°	36.5	31.1	23.4	30.6	34.7
57.5°	28.2	23.4	18.1	22.6	26.8
60°	21.4	17.7	13.9	16.9	20.2
62.5°	16.1	13.1	10.7	12.7	15.3
65°	12.1	9.7	8.1	9.5	11.3
67.5°	8.9	7.3	6.2	6.9	8.3
70°	6.5	5.4	4.8	5.2	6.2
72.5°	4.6	4.0	3.6	3.8	4.2
75°	3.2	2.8	2.6	2.6	3.0
77.5°	2.2	2.0	1.8	2.0	2.2
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.0	1.0	1.0	1.0	0.8
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.4	0.4	0.4	0.4	0.2
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)