

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: **LX6C100D010 EX6C1009050 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: LX6C100D010 EX6C1009050 6LCSQWH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

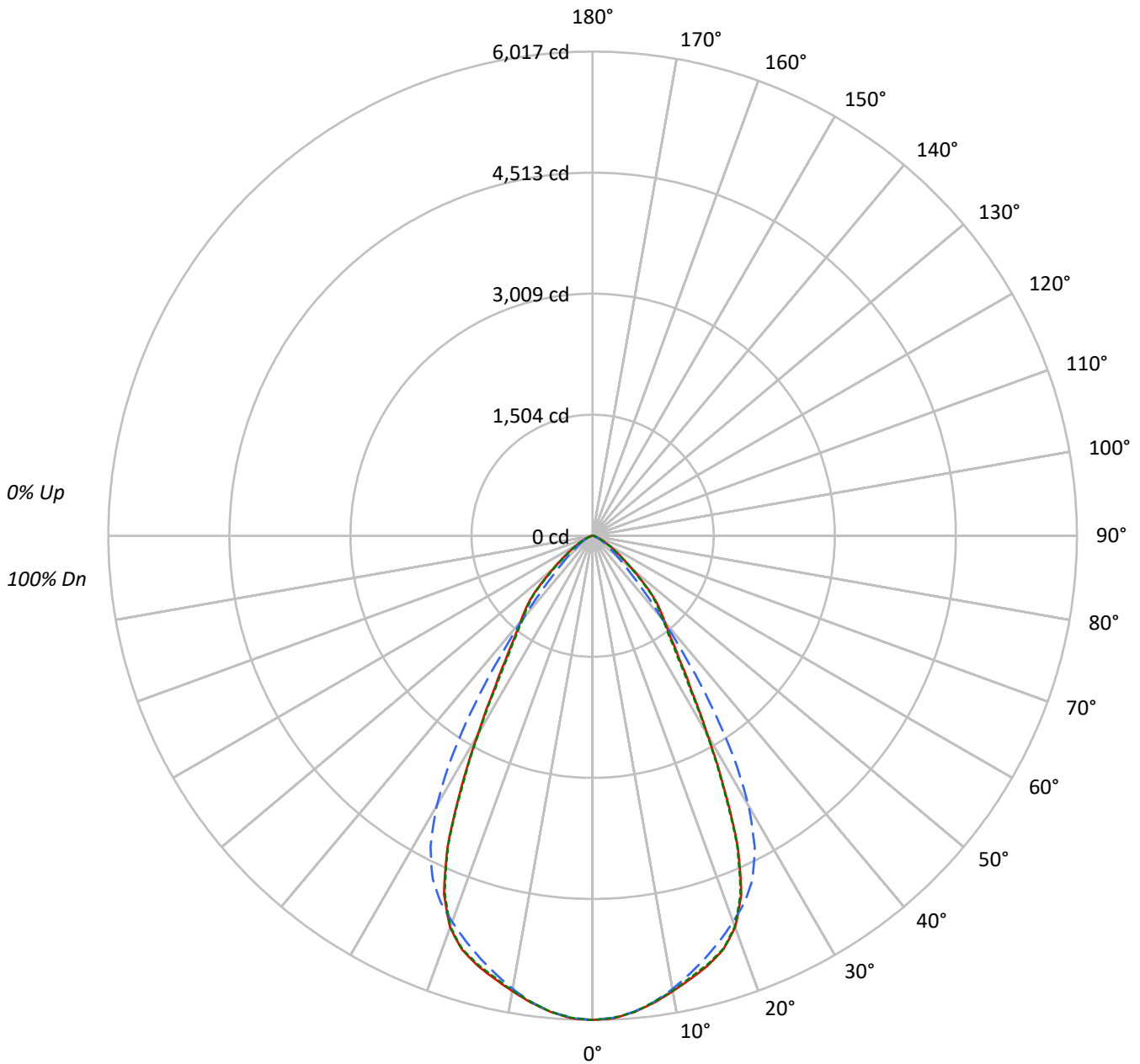
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6591.0 lumens
Efficiency: N/A
Efficacy: 57.6 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): 114.4
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

TEST NUMBER: P#
CATALOG NUMBER: LX6C100D010 EX6C1009050 6LCSQWH

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																			
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71																			
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65																			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																			
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56																			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52																			
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48																			
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	259062	259062	259062
5°	256745	256563	256745
10°	251210	250034	250847
15°	246435	242008	245788
20°	237291	233882	236819
25°	202782	223424	201799
30°	141955	192671	140722
35°	99183	133984	96902
40°	78148	75124	75939
45°	64507	42203	63496
50°	43244	26746	41717
55°	28577	18331	27181
60°	19246	12469	18169
65°	12857	8639	12011
70°	8598	6257	8069
75°	5506	4475	5157
80°	3595	3595	3595
85°	3063	3063	3063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.1	8.5
10°-20°	1540.2	23.4
20°-30°	1990.3	30.2
30°-40°	1347.6	20.4
40°-50°	709.0	10.8
50°-60°	296.7	4.5
60°-70°	106.5	1.6
70°-80°	33.1	0.5
80°-90°	7.4	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°	4090.6	62.1
0°-40°	5438.2	82.5
0°-60°	6444.0	97.8
0°-90°	6591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6017	6017	6017	6017	6017	
5°	5940	5938	5936	5938	5940	561
15°	5529	5477	5429	5466	5514	1553
25°	4268	4448	4703	4448	4248	1894
35°	1887	2034	2549	2003	1844	1222
45°	1059	970	693	952	1043	794
55°	381	325	244	319	362	357
65°	126	101	85	99	118	131
75°	33	29	27	27	31	38
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6016.9	6016.9	6016.9	6016.9	6016.9
2.5°	6002.4	5996.2	5994.2	5996.2	5996.2
5°	5940.4	5938.3	5936.2	5938.3	5940.4
7.5°	5853.5	5847.3	5843.1	5843.1	5845.2
10°	5745.9	5735.5	5719.0	5729.3	5737.6
12.5°	5638.3	5613.4	5576.2	5601.0	5621.7
15°	5528.6	5476.9	5429.3	5466.5	5514.1
17.5°	5394.1	5342.4	5267.9	5332.1	5385.8
20°	5178.9	5147.9	5104.5	5147.9	5168.6
22.5°	4825.1	4862.4	4932.7	4856.2	4800.3
25°	4268.5	4448.5	4703.0	4448.5	4247.8
27.5°	3538.1	3850.6	4361.6	3825.8	3507.1
30°	2855.3	3163.6	3875.4	3165.7	2830.5
32.5°	2292.6	2538.8	3256.8	2503.6	2245.0
35°	1887.0	2033.9	2549.1	2002.9	1843.6
37.5°	1589.1	1636.7	1866.3	1609.8	1556.0
40°	1390.4	1351.1	1336.6	1330.4	1351.1
42.5°	1233.2	1140.1	968.3	1117.3	1195.9
45°	1059.4	970.4	693.1	951.8	1042.8
47.5°	833.8	796.6	515.2	780.0	804.9
50°	645.6	595.9	399.3	585.6	622.8
52.5°	496.6	440.7	314.5	426.2	471.8
55°	380.7	324.8	244.2	318.6	362.1
57.5°	293.8	244.2	188.3	235.9	279.3
60°	223.5	184.1	144.8	175.9	211.0
62.5°	167.6	136.6	111.7	132.4	159.3
65°	126.2	101.4	84.8	99.3	117.9
67.5°	93.1	76.6	64.1	72.4	86.9
70°	68.3	55.9	49.7	53.8	64.1
72.5°	47.6	41.4	37.2	39.3	43.5
75°	33.1	29.0	26.9	26.9	31.0
77.5°	22.8	20.7	18.6	20.7	22.8
80°	14.5	14.5	14.5	14.5	14.5
82.5°	10.3	10.3	10.3	10.3	8.3
85°	6.2	6.2	6.2	6.2	6.2
87.5°	4.1	4.1	4.1	4.1	2.1
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)