

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 EX6C1009040 6LCSQWH**

Issue Date: 2/16/2022

**Test Information**

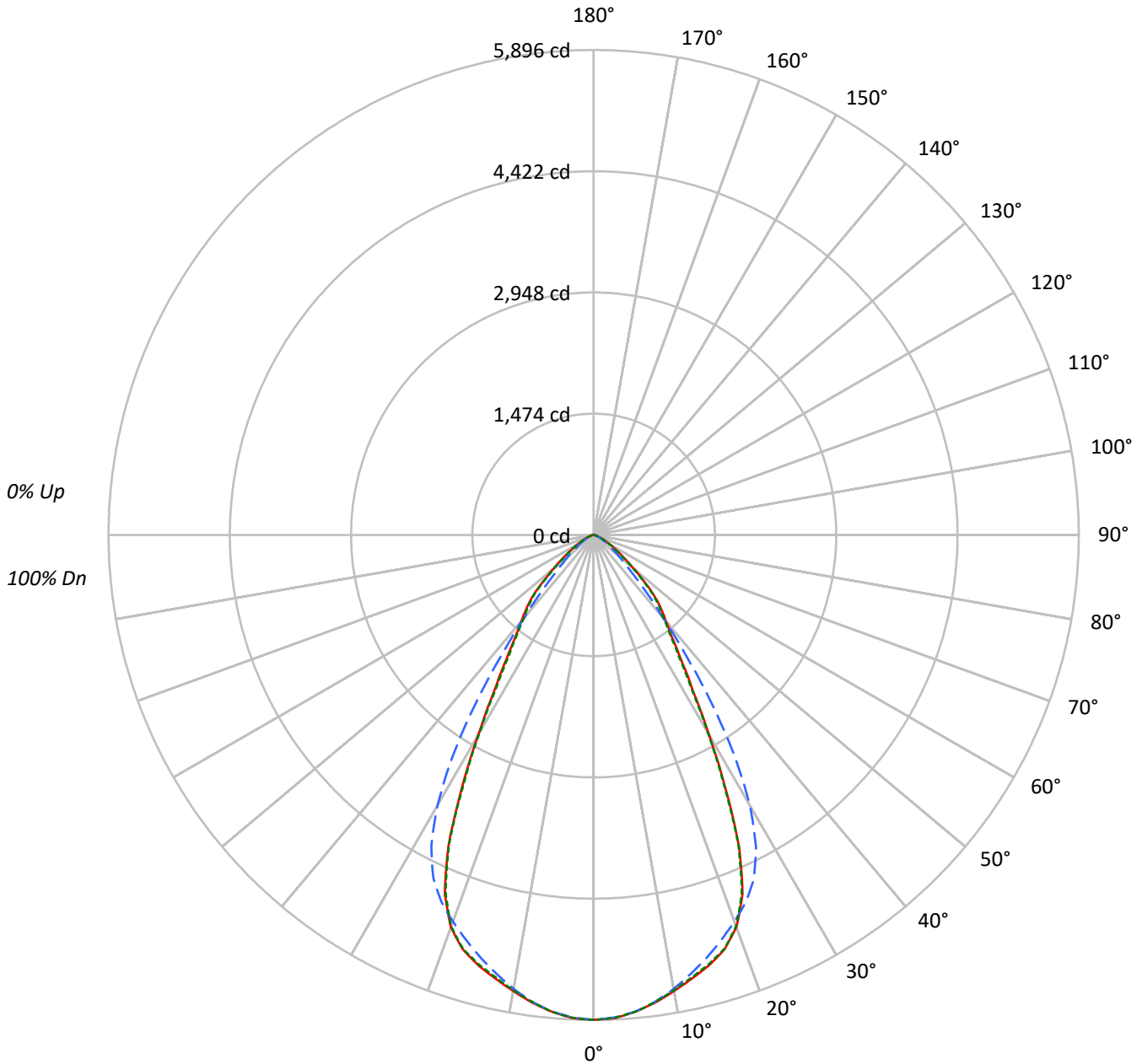
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C100D010 EX6C1009040 6LCSQWH  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6458.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 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): 114.4  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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	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°	253835	253835	253835
5°	251563	251386	251563
10°	246138	244989	245784
15°	241465	237123	240832
20°	232503	229159	232041
25°	198692	218915	197727
30°	139092	188783	137883
35°	97181	131282	94947
40°	76574	73612	74410
45°	63204	41356	62217
50°	42367	26210	40873
55°	27999	17956	26633
60°	18858	12219	17808
65°	12602	8466	11777
70°	8422	6131	7906
75°	5390	4392	5057
80°	3521	3521	3521
85°	3013	3013	3013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	548.8	8.5
10°-20°	1509.1	23.4
20°-30°	1950.2	30.2
30°-40°	1320.4	20.4
40°-50°	694.8	10.8
50°-60°	290.7	4.5
60°-70°	104.3	1.6
70°-80°	32.4	0.5
80°-90°	7.3	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°	4008.1	62.1
0°-40°	5328.5	82.5
0°-60°	6314.0	97.8
0°-90°	6458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6458.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5896	5896	5896	5896	5896	
5°	5820	5818	5816	5818	5820	550
15°	5417	5366	5320	5356	5403	1522
25°	4182	4359	4608	4359	4162	1856
35°	1849	1993	2498	1962	1806	1197
45°	1038	951	679	933	1022	778
55°	373	318	239	312	355	349
65°	124	99	83	97	116	129
75°	32	28	26	26	30	37
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5895.5	5895.5	5895.5	5895.5	5895.5
2.5°	5881.3	5875.2	5873.2	5875.2	5875.2
5°	5820.5	5818.5	5816.4	5818.5	5820.5
7.5°	5735.3	5729.3	5725.2	5725.2	5727.2
10°	5629.9	5619.8	5603.6	5613.7	5621.8
12.5°	5524.5	5500.2	5463.7	5488.0	5508.3
15°	5417.1	5366.4	5319.7	5356.2	5402.9
17.5°	5285.3	5234.6	5161.6	5224.5	5277.2
20°	5074.4	5044.0	5001.4	5044.0	5064.3
22.5°	4727.8	4764.3	4833.2	4758.2	4703.4
25°	4182.4	4358.8	4608.1	4358.8	4162.1
27.5°	3466.8	3772.9	4273.6	3748.6	3436.3
30°	2797.7	3099.8	3797.2	3101.8	2773.4
32.5°	2246.3	2487.5	3191.0	2453.1	2199.7
35°	1848.9	1992.9	2497.7	1962.5	1806.4
37.5°	1557.0	1603.6	1828.7	1577.3	1524.6
40°	1362.4	1323.9	1309.7	1303.6	1323.9
42.5°	1208.3	1117.1	948.8	1094.8	1171.8
45°	1038.0	950.8	679.2	932.6	1021.8
47.5°	817.0	780.5	504.8	764.3	788.6
50°	632.5	583.9	391.3	573.7	610.2
52.5°	486.6	431.8	308.2	417.6	462.2
55°	373.0	318.3	239.2	312.2	354.8
57.5°	287.9	239.2	184.5	231.1	273.7
60°	219.0	180.4	141.9	172.3	206.8
62.5°	164.2	133.8	109.5	129.7	156.1
65°	123.7	99.3	83.1	97.3	115.6
67.5°	91.2	75.0	62.8	71.0	85.1
70°	66.9	54.7	48.7	52.7	62.8
72.5°	46.6	40.5	36.5	38.5	42.6
75°	32.4	28.4	26.4	26.4	30.4
77.5°	22.3	20.3	18.2	20.3	22.3
80°	14.2	14.2	14.2	14.2	14.2
82.5°	10.1	10.1	10.1	10.1	8.1
85°	6.1	6.1	6.1	6.1	6.1
87.5°	4.1	4.1	4.1	4.1	2.0
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)