

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 EX6C109035 6LCSQWH**

Issue Date: 2/16/2022

**Test Information**

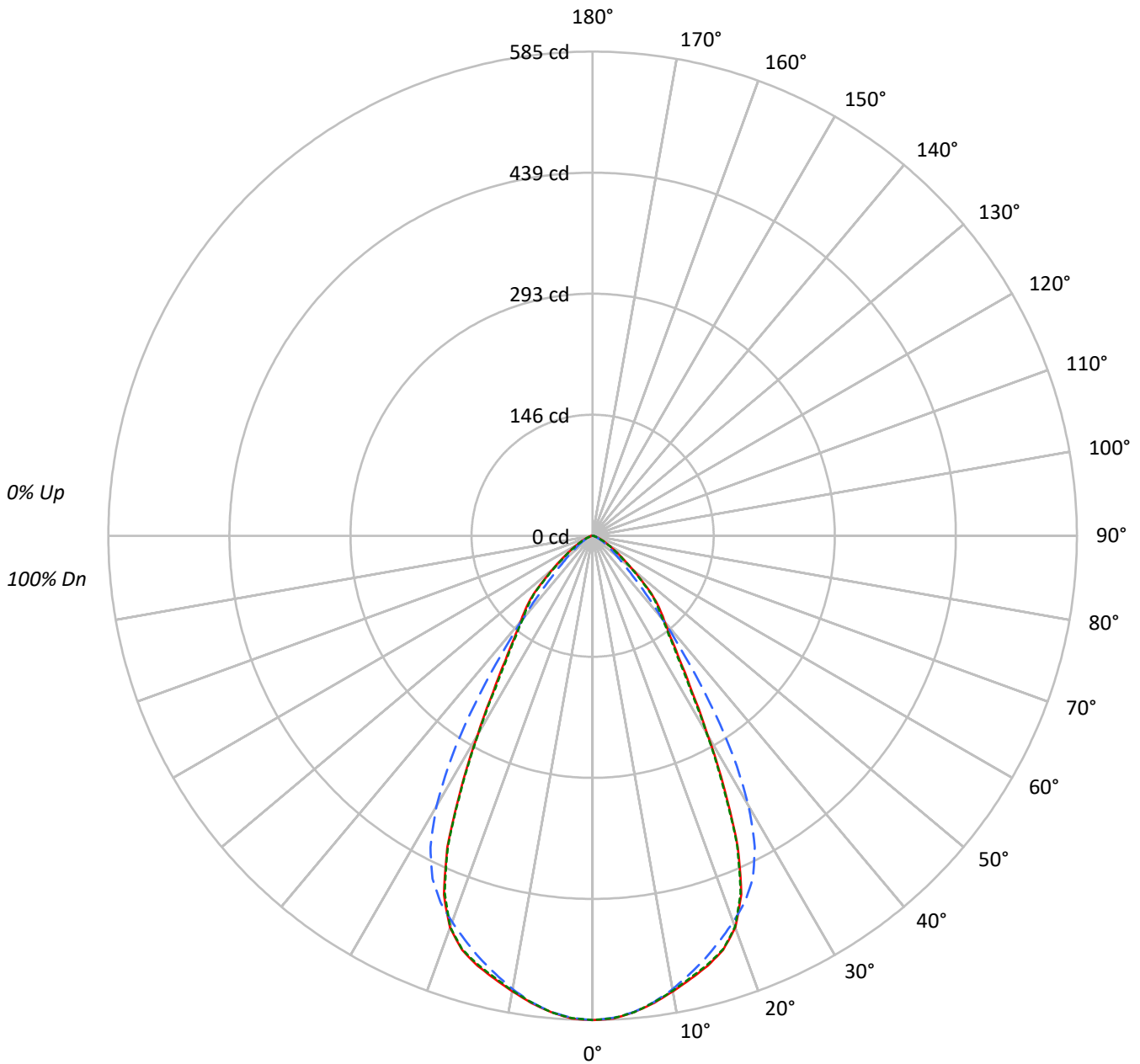
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109035 6LCSQWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 641.0 lumens  
Efficiency: N/A  
Efficacy: 65.4 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<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				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	55	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°	25196	25196	25196
5°	24968	24951	24968
10°	24431	24317	24396
15°	23968	23535	23905
20°	23079	22744	23033
25°	19720	21730	19625
30°	13806	18738	13687
35°	9645	13030	9424
40°	7599	7307	7385
45°	6272	4104	6174
50°	4207	2599	4059
55°	2777	1779	2642
60°	1869	1214	1765
65°	1253	846	1172
70°	831	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°	54.5	8.5
10°-20°	149.8	23.4
20°-30°	193.6	30.2
30°-40°	131.1	20.4
40°-50°	69.0	10.8
50°-60°	28.9	4.5
60°-70°	10.4	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°	397.8	62.1
0°-40°	528.9	82.5
0°-60°	626.7	97.8
0°-90°	641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	641.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	585	585	585	585	585	
5°	578	578	577	578	578	55
15°	538	533	528	532	536	151
25°	415	433	457	433	413	184
35°	184	198	248	195	179	119
45°	103	94	67	93	101	77
55°	37	32	24	31	35	35
65°	12	10	8	10	12	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°	585.2	585.2	585.2	585.2	585.2
2.5°	583.8	583.2	583.0	583.2	583.2
5°	577.7	577.5	577.3	577.5	577.7
7.5°	569.3	568.7	568.3	568.3	568.5
10°	558.8	557.8	556.2	557.2	558.0
12.5°	548.3	545.9	542.3	544.7	546.7
15°	537.7	532.6	528.0	531.6	536.3
17.5°	524.6	519.6	512.3	518.6	523.8
20°	503.7	500.7	496.4	500.7	502.7
22.5°	469.3	472.9	479.7	472.3	466.8
25°	415.1	432.6	457.4	432.6	413.1
27.5°	344.1	374.5	424.2	372.1	341.1
30°	277.7	307.7	376.9	307.9	275.3
32.5°	223.0	246.9	316.7	243.5	218.3
35°	183.5	197.8	247.9	194.8	179.3
37.5°	154.5	159.2	181.5	156.6	151.3
40°	135.2	131.4	130.0	129.4	131.4
42.5°	119.9	110.9	94.2	108.7	116.3
45°	103.0	94.4	67.4	92.6	101.4
47.5°	81.1	77.5	50.1	75.9	78.3
50°	62.8	58.0	38.8	56.9	60.6
52.5°	48.3	42.9	30.6	41.5	45.9
55°	37.0	31.6	23.7	31.0	35.2
57.5°	28.6	23.7	18.3	22.9	27.2
60°	21.7	17.9	14.1	17.1	20.5
62.5°	16.3	13.3	10.9	12.9	15.5
65°	12.3	9.9	8.3	9.7	11.5
67.5°	9.1	7.4	6.2	7.0	8.5
70°	6.6	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)