

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: P839526

Luminaire Tested: **LD6C70D010 EU6709027 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C70D010 EU6709027 6LCSQWLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

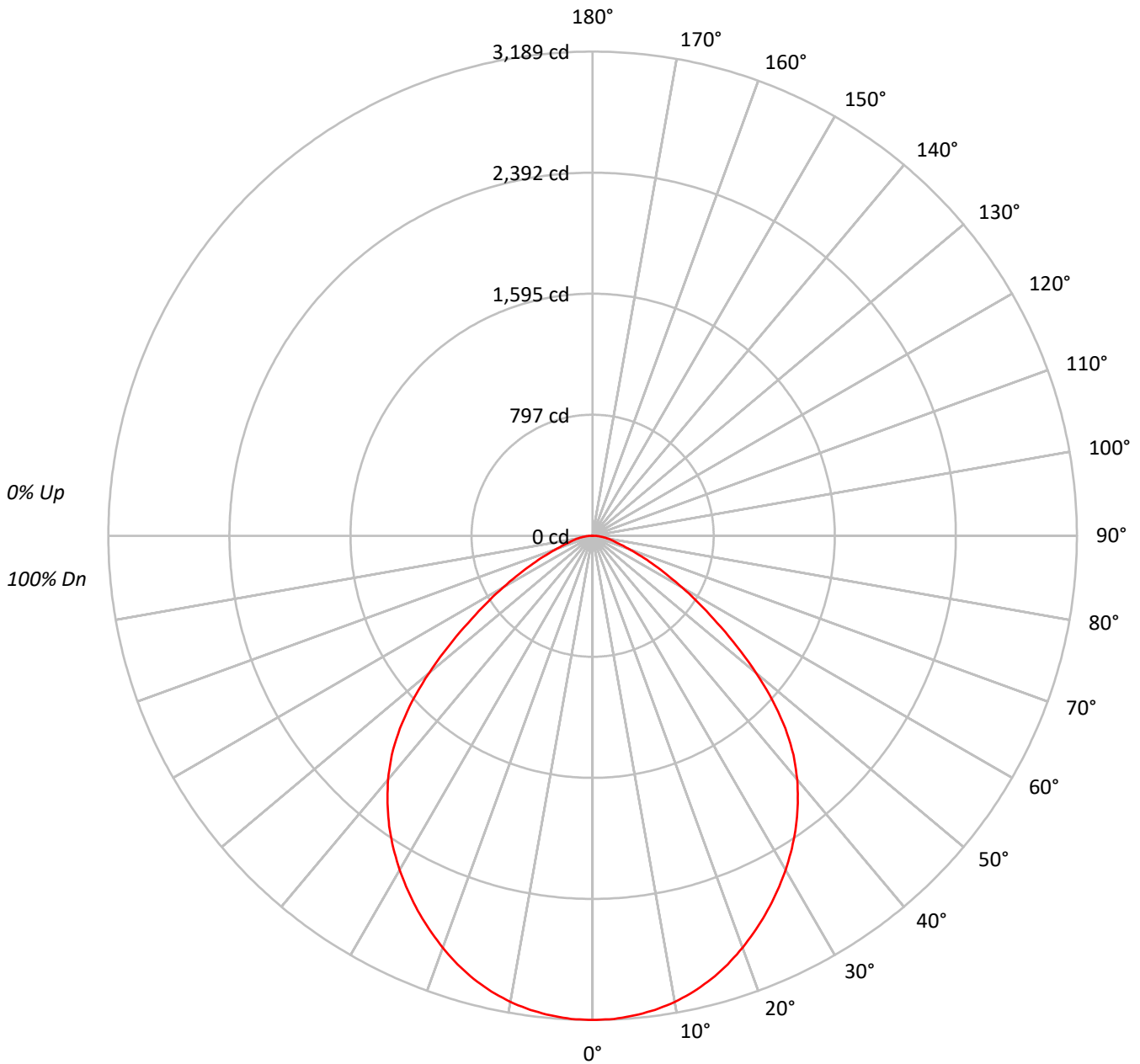
Lumens per Lamp: N/A
Luminaire Lumens: 6799.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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				20				
RC	80				70				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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137292
5°	137068
10°	136319
15°	134744
20°	132297
25°	129432
30°	126349
35°	122746
40°	117806
45°	109279
50°	94144
55°	75095
60°	58470
65°	43767
70°	31761
75°	25186
80°	23580
85°	23515



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	4.4
10°-20°	851.3	12.5
20°-30°	1254.6	18.5
30°-40°	1457.4	21.4
40°-50°	1369.9	20.1
50°-60°	906.8	13.3
60°-70°	437.0	6.4
70°-80°	168.5	2.5
80°-90°	52.6	0.8
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°	2406.9	35.4
0°-40°	3864.3	56.8
0°-60°	6141.0	90.3
0°-90°	6799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6799.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3189	
5°	3171	301
15°	3023	851
25°	2724	1255
35°	2335	1457
45°	1795	1370
55°	1000	907
65°	430	437
75°	151	168
85°	48	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3188.7
2.5°	3185.8
5°	3171.4
7.5°	3149.7
10°	3118.0
12.5°	3074.8
15°	3022.9
17.5°	2959.5
20°	2887.4
22.5°	2808.1
25°	2724.5
27.5°	2635.1
30°	2541.4
32.5°	2441.9
35°	2335.3
37.5°	2218.5
40°	2096.0
42.5°	1957.6
45°	1794.7
47.5°	1610.2
50°	1405.5
52.5°	1197.9
55°	1000.4
57.5°	830.3
60°	679.0
62.5°	543.5
65°	429.6
67.5°	333.0
70°	252.3
72.5°	191.7
75°	151.4
77.5°	122.5
80°	95.1
82.5°	70.6
85°	47.6
87.5°	27.4
90°	0.0



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— 0°-180°







(END OF REPORT)