

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: P839456

Luminaire Tested: **LD6C120D010 EU61209027 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839456
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: LD6C120D010 EU61209027 6LCSQWLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

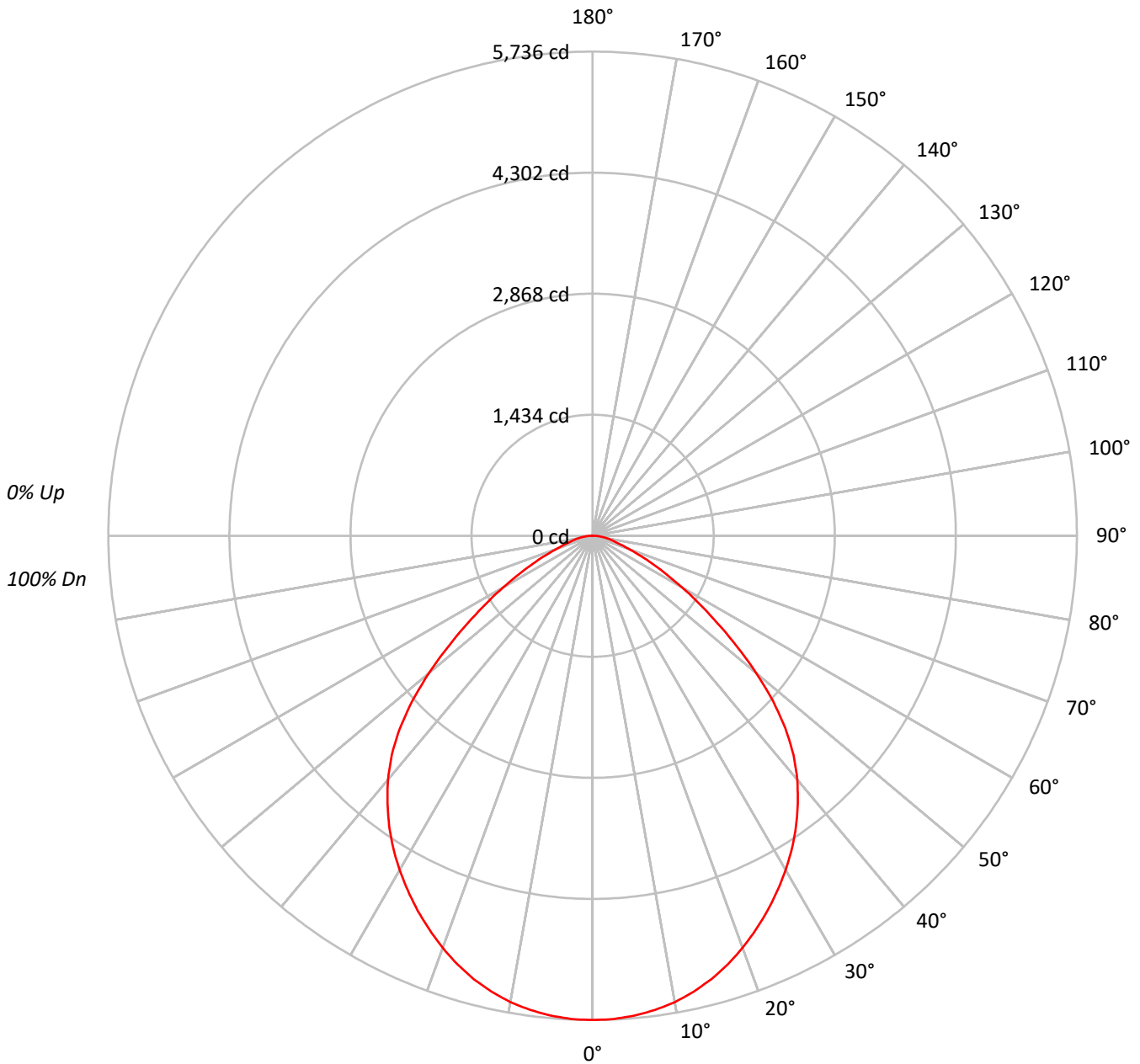
Lumens per Lamp: N/A
Luminaire Lumens: 12231.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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				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				100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88				88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76				76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66				66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51				51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46				46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41				41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37				37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33				33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30				30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246976
5°	246575
10°	245229
15°	242396
20°	237992
25°	232840
30°	227293
35°	220810
40°	211922
45°	196589
50°	169359
55°	135095
60°	105176
65°	78732
70°	57127
75°	45298
80°	42449
85°	42287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.6	4.4
10°-20°	1531.5	12.5
20°-30°	2256.9	18.5
30°-40°	2621.7	21.4
40°-50°	2464.4	20.1
50°-60°	1631.3	13.3
60°-70°	786.0	6.4
70°-80°	303.1	2.5
80°-90°	94.6	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°	4329.9	35.4
0°-40°	6951.6	56.8
0°-60°	11047.3	90.3
0°-90°	12231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12231.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5736	
5°	5705	542
15°	5438	1531
25°	4901	2257
35°	4201	2622
45°	3229	2464
55°	1800	1631
65°	773	786
75°	272	303
85°	86	95
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5736.2
2.5°	5731.0
5°	5705.1
7.5°	5666.2
10°	5609.1
12.5°	5531.3
15°	5438.0
17.5°	5323.9
20°	5194.2
22.5°	5051.6
25°	4901.2
27.5°	4740.4
30°	4571.8
32.5°	4392.9
35°	4201.0
37.5°	3991.0
40°	3770.5
42.5°	3521.6
45°	3228.6
47.5°	2896.6
50°	2528.4
52.5°	2155.0
55°	1799.7
57.5°	1493.7
60°	1221.4
62.5°	977.6
65°	772.8
67.5°	599.0
70°	453.8
72.5°	344.9
75°	272.3
77.5°	220.4
80°	171.2
82.5°	127.1
85°	85.6
87.5°	49.3
90°	0.0



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— 0°-180°







(END OF REPORT)