

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: P839486

Luminaire Tested: **LD6C30D010 EU6309027 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839486
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: LD6C30D010 EU6309027 6LCSQWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

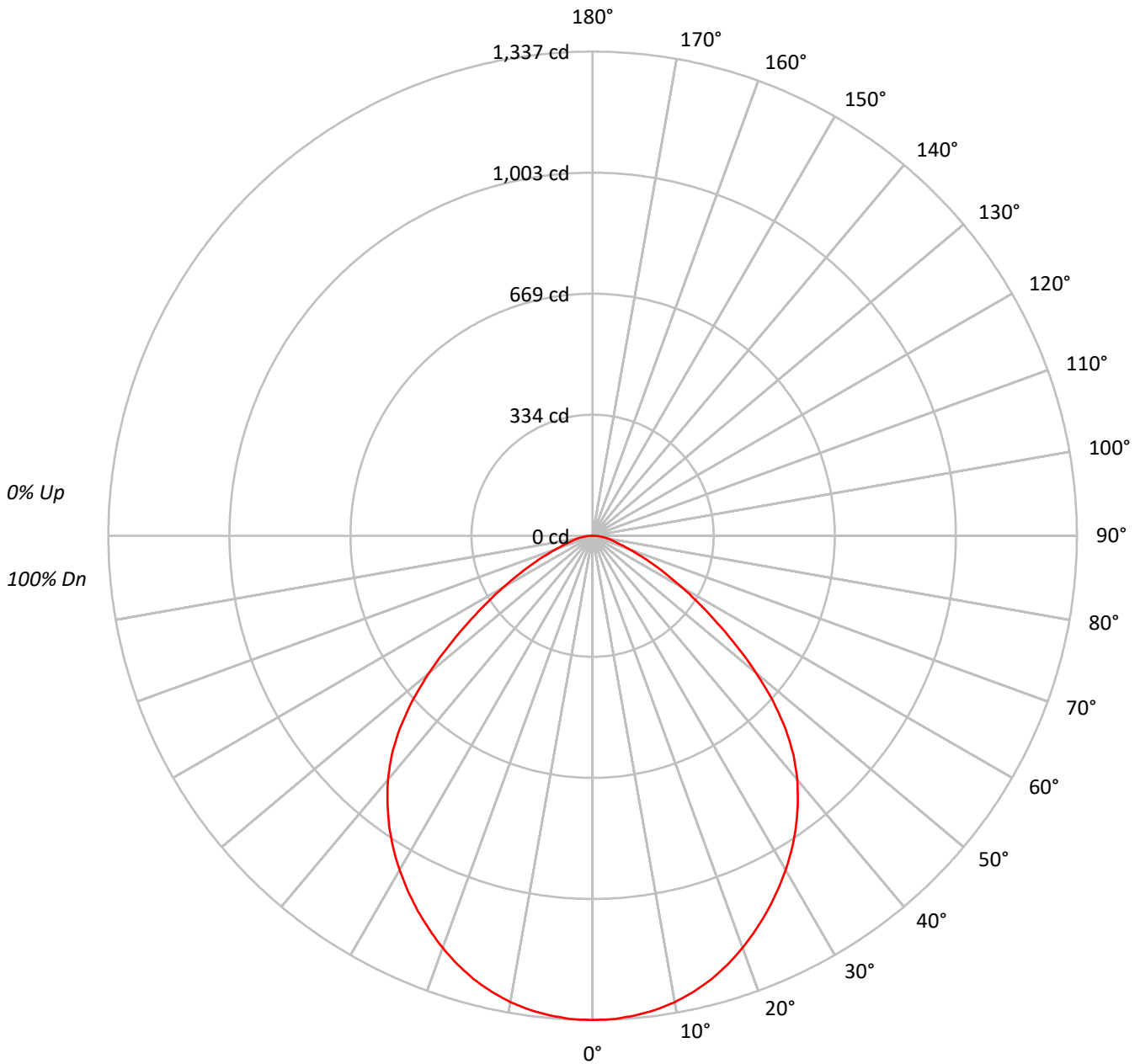
Lumens per Lamp: N/A
Luminaire Lumens: 2851.0 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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°	57570
5°	57474
10°	57164
15°	56503
20°	55477
25°	54272
30°	52983
35°	51468
40°	49399
45°	45826
50°	39480
55°	31490
60°	24516
65°	18348
70°	13319
75°	10563
80°	9893
85°	9831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	4.4
10°-20°	357.0	12.5
20°-30°	526.1	18.5
30°-40°	611.1	21.4
40°-50°	574.5	20.1
50°-60°	380.2	13.3
60°-70°	183.2	6.4
70°-80°	70.7	2.5
80°-90°	22.0	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°	1009.3	35.4
0°-40°	1620.4	56.8
0°-60°	2575.1	90.3
0°-90°	2851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2851.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1337	
5°	1330	126
15°	1268	357
25°	1142	526
35°	979	611
45°	753	574
55°	420	380
65°	180	183
75°	64	71
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1337.1
2.5°	1335.9
5°	1329.8
7.5°	1320.8
10°	1307.5
12.5°	1289.3
15°	1267.6
17.5°	1241.0
20°	1210.8
22.5°	1177.5
25°	1142.4
27.5°	1105.0
30°	1065.7
32.5°	1024.0
35°	979.2
37.5°	930.3
40°	878.9
42.5°	820.9
45°	752.6
47.5°	675.2
50°	589.4
52.5°	502.3
55°	419.5
57.5°	348.2
60°	284.7
62.5°	227.9
65°	180.1
67.5°	139.6
70°	105.8
72.5°	80.4
75°	63.5
77.5°	51.4
80°	39.9
82.5°	29.6
85°	19.9
87.5°	11.5
90°	0.0



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— 0°-180°







(END OF REPORT)