

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: P839490

Luminaire Tested: **LD6C30D010 EU6309050 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839490
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 EU6309050 6LCSQWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

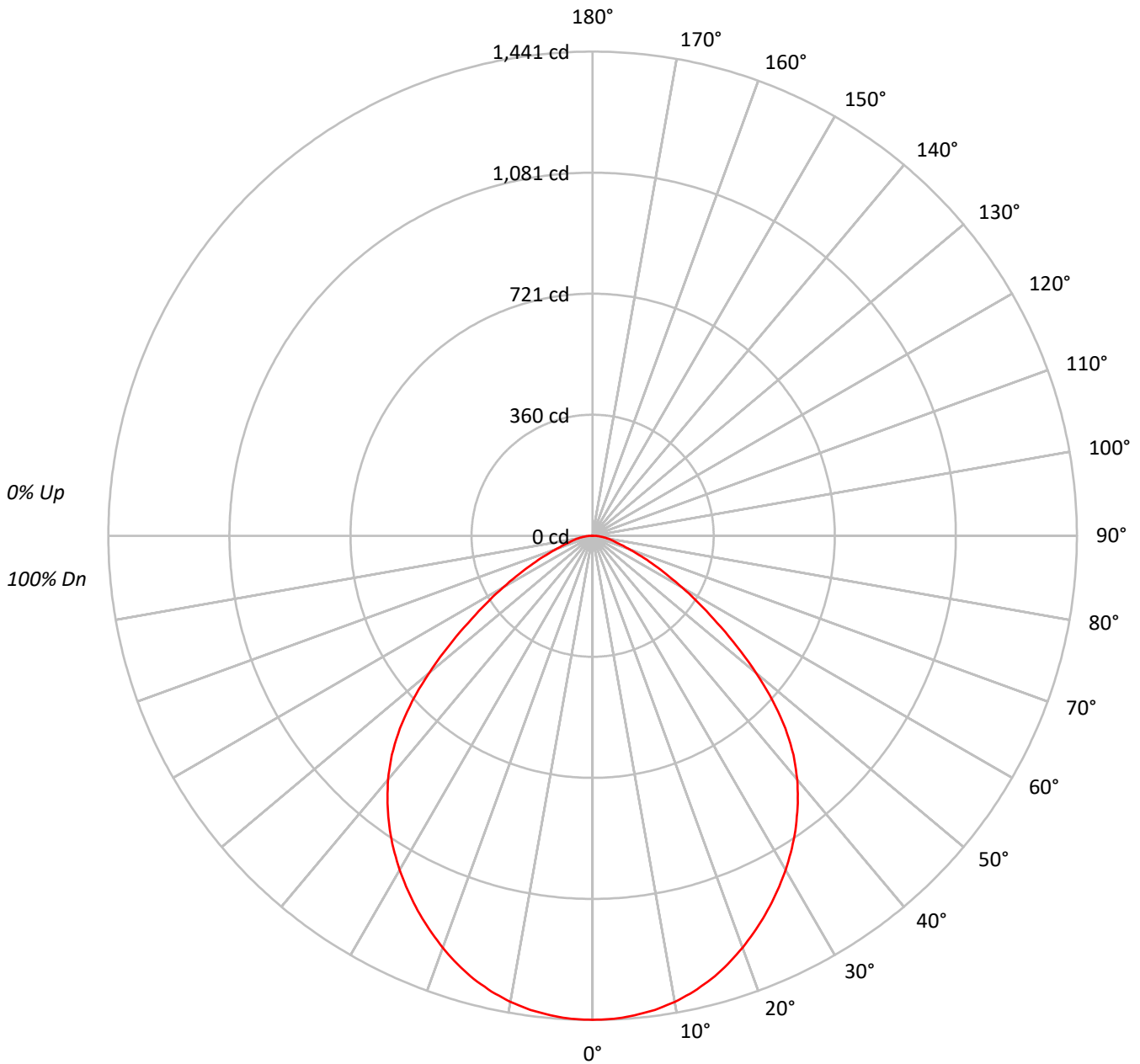
Lumens per Lamp: N/A
Luminaire Lumens: 3072.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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			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°	62030
5°	61930
10°	61593
15°	60880
20°	59775
25°	58481
30°	57089
35°	55457
40°	53226
45°	49376
50°	42534
55°	33929
60°	26419
65°	19775
70°	14351
75°	11379
80°	10662
85°	10621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	4.4
10°-20°	384.6	12.5
20°-30°	566.8	18.5
30°-40°	658.5	21.4
40°-50°	618.9	20.1
50°-60°	409.7	13.3
60°-70°	197.5	6.4
70°-80°	76.1	2.5
80°-90°	23.8	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°	1087.5	35.4
0°-40°	1746.0	56.8
0°-60°	2774.7	90.3
0°-90°	3072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3072.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1441	
5°	1433	136
15°	1366	385
25°	1231	567
35°	1055	658
45°	811	619
55°	452	410
65°	194	197
75°	68	76
85°	22	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1440.7
2.5°	1439.4
5°	1432.9
7.5°	1423.1
10°	1408.8
12.5°	1389.3
15°	1365.8
17.5°	1337.2
20°	1304.6
22.5°	1268.8
25°	1231.0
27.5°	1190.6
30°	1148.3
32.5°	1103.3
35°	1055.1
37.5°	1002.4
40°	947.0
42.5°	884.5
45°	810.9
47.5°	727.5
50°	635.0
52.5°	541.3
55°	452.0
57.5°	375.2
60°	306.8
62.5°	245.6
65°	194.1
67.5°	150.5
70°	114.0
72.5°	86.6
75°	68.4
77.5°	55.4
80°	43.0
82.5°	31.9
85°	21.5
87.5°	12.4
90°	0.0



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— 0°-180°







(END OF REPORT)