

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: P839488

Luminaire Tested: **LD6C30D010 EU6309035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839488
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 EU6309035 6LCSQWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

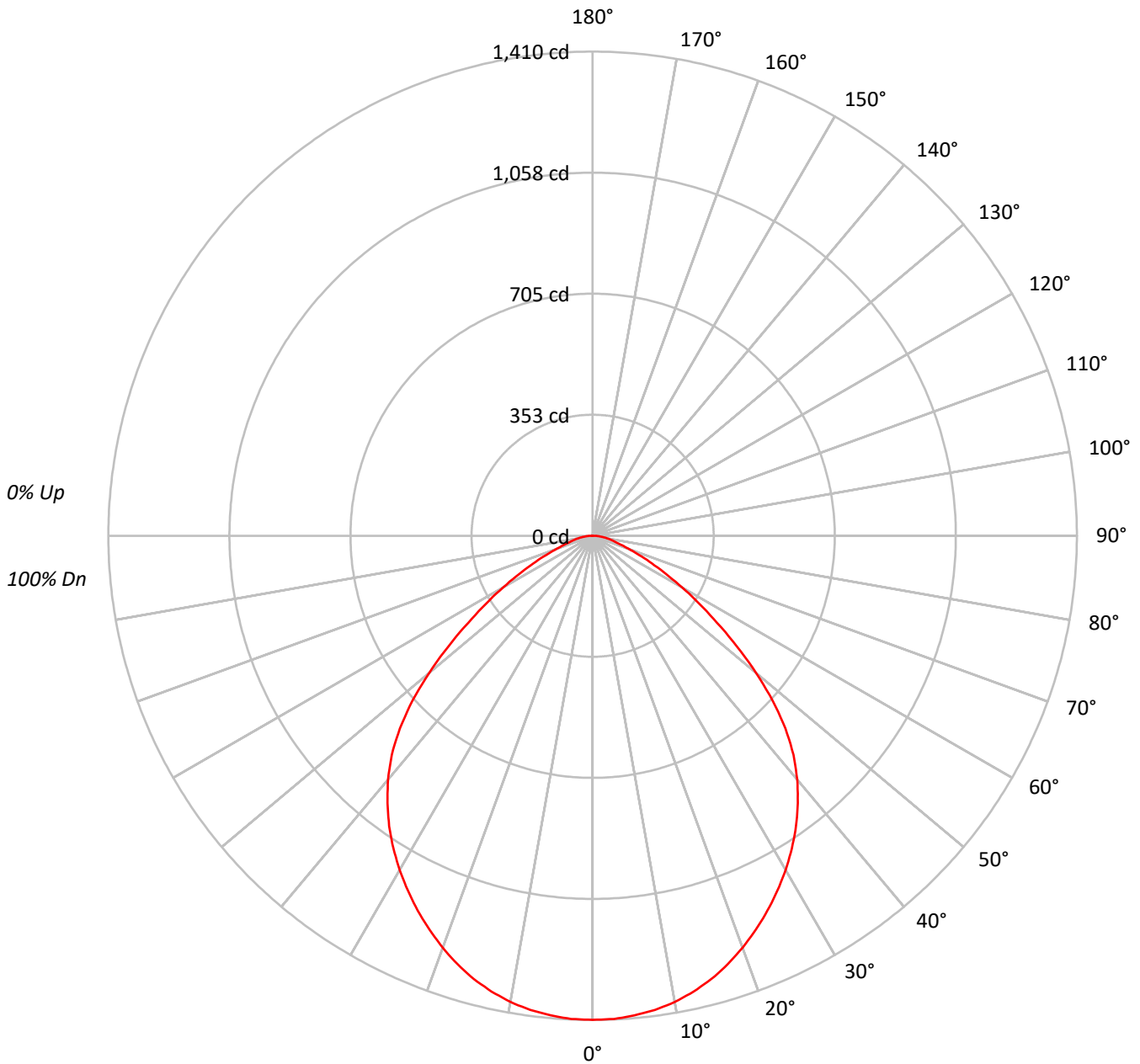
Lumens per Lamp: N/A
Luminaire Lumens: 3006.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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									
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																			
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°	60700
5°	60599
10°	60272
15°	59574
20°	58492
25°	57227
30°	55861
35°	54269
40°	52085
45°	48316
50°	41623
55°	33201
60°	25851
65°	19347
70°	14036
75°	11129
80°	10439
85°	10374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	4.4
10°-20°	376.4	12.5
20°-30°	554.7	18.5
30°-40°	644.3	21.4
40°-50°	605.7	20.1
50°-60°	400.9	13.3
60°-70°	193.2	6.4
70°-80°	74.5	2.5
80°-90°	23.2	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°	1064.2	35.4
0°-40°	1708.5	56.8
0°-60°	2715.1	90.3
0°-90°	3006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3006.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1410	
5°	1402	133
15°	1336	376
25°	1205	555
35°	1032	644
45°	794	606
55°	442	401
65°	190	193
75°	67	75
85°	21	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1409.8
2.5°	1408.5
5°	1402.1
7.5°	1392.6
10°	1378.6
12.5°	1359.4
15°	1336.5
17.5°	1308.4
20°	1276.6
22.5°	1241.5
25°	1204.6
27.5°	1165.0
30°	1123.6
32.5°	1079.6
35°	1032.5
37.5°	980.9
40°	926.7
42.5°	865.5
45°	793.5
47.5°	711.9
50°	621.4
52.5°	529.6
55°	442.3
57.5°	367.1
60°	300.2
62.5°	240.3
65°	189.9
67.5°	147.2
70°	111.5
72.5°	84.8
75°	66.9
77.5°	54.2
80°	42.1
82.5°	31.2
85°	21.0
87.5°	12.1
90°	0.0



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— 0°-180°







(END OF REPORT)