

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: P839465

Luminaire Tested: **LD6C130D010 EU61309050 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839465
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: LD6C130D010 EU61309050 6LCSQWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

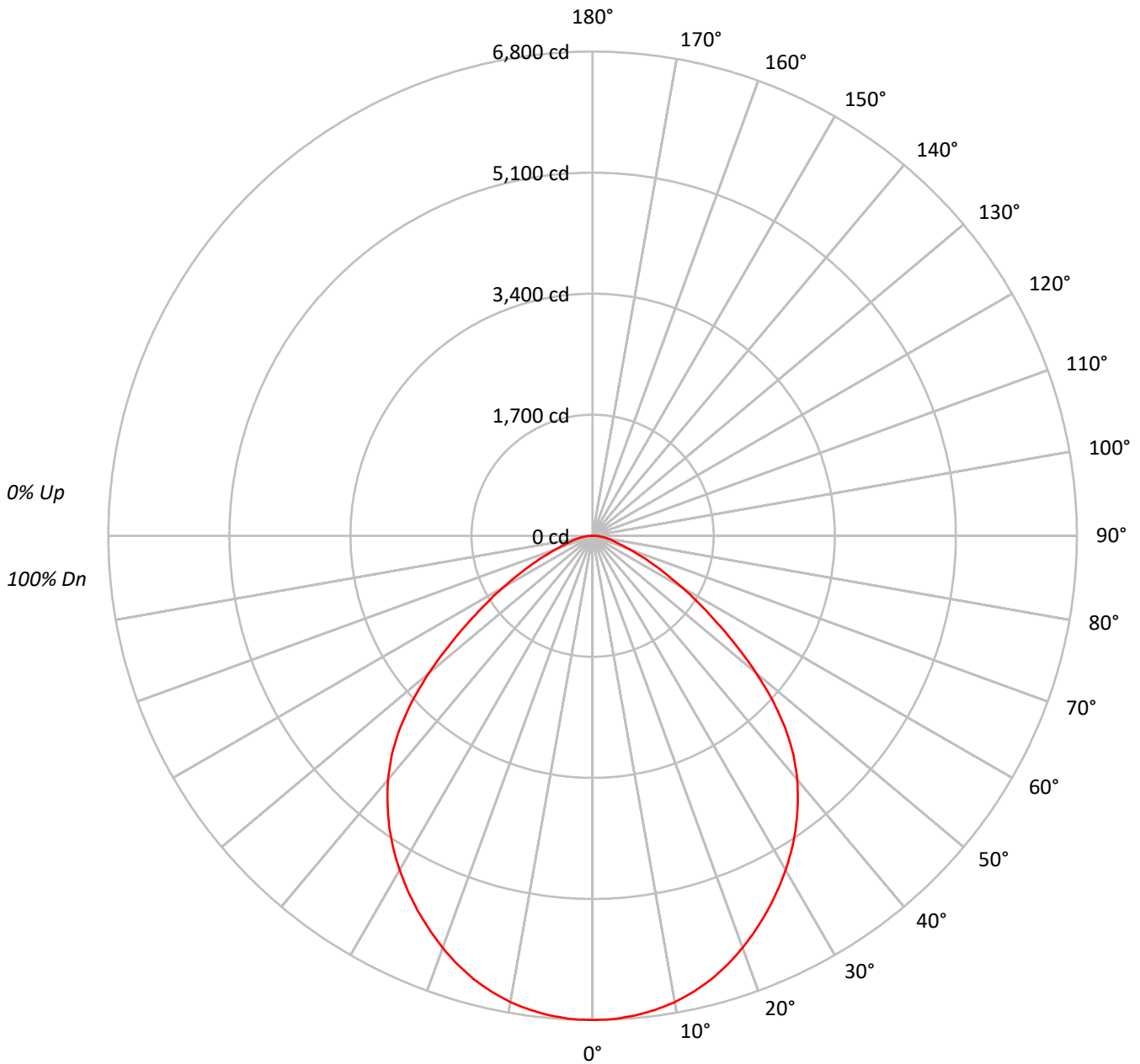
Lumens per Lamp: N/A
Luminaire Lumens: 14500.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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				
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°	292791
5°	292315
10°	290724
15°	287363
20°	282143
25°	276033
30°	269463
35°	261776
40°	251237
45°	233056
50°	200774
55°	160159
60°	124689
65°	93331
70°	67727
75°	53699
80°	50309
85°	50142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.1	4.4
10°-20°	1815.6	12.5
20°-30°	2675.5	18.5
30°-40°	3108.1	21.4
40°-50°	2921.5	20.1
50°-60°	1933.9	13.3
60°-70°	931.9	6.4
70°-80°	359.4	2.5
80°-90°	112.1	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°	5133.2	35.4
0°-40°	8241.2	56.8
0°-60°	13096.7	90.3
0°-90°	14500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6800	
5°	6763	642
15°	6447	1816
25°	5810	2676
35°	4980	3108
45°	3828	2922
55°	2134	1934
65°	916	932
75°	323	359
85°	102	112
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6800.3
2.5°	6794.2
5°	6763.4
7.5°	6717.3
10°	6649.7
12.5°	6557.5
15°	6446.8
17.5°	6311.5
20°	6157.8
22.5°	5988.7
25°	5810.4
27.5°	5619.8
30°	5420.0
32.5°	5207.9
35°	4980.4
37.5°	4731.3
40°	4470.0
42.5°	4174.9
45°	3827.5
47.5°	3434.0
50°	2997.4
52.5°	2554.7
55°	2133.6
57.5°	1770.8
60°	1448.0
62.5°	1159.0
65°	916.1
67.5°	710.2
70°	538.0
72.5°	408.9
75°	322.8
77.5°	261.3
80°	202.9
82.5°	150.6
85°	101.5
87.5°	58.4
90°	0.0



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— 0°-180°







(END OF REPORT)