

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: P839464

Luminaire Tested: **LD6C130D010 EU61309040 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839464
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 EU61309040 6LCSQWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

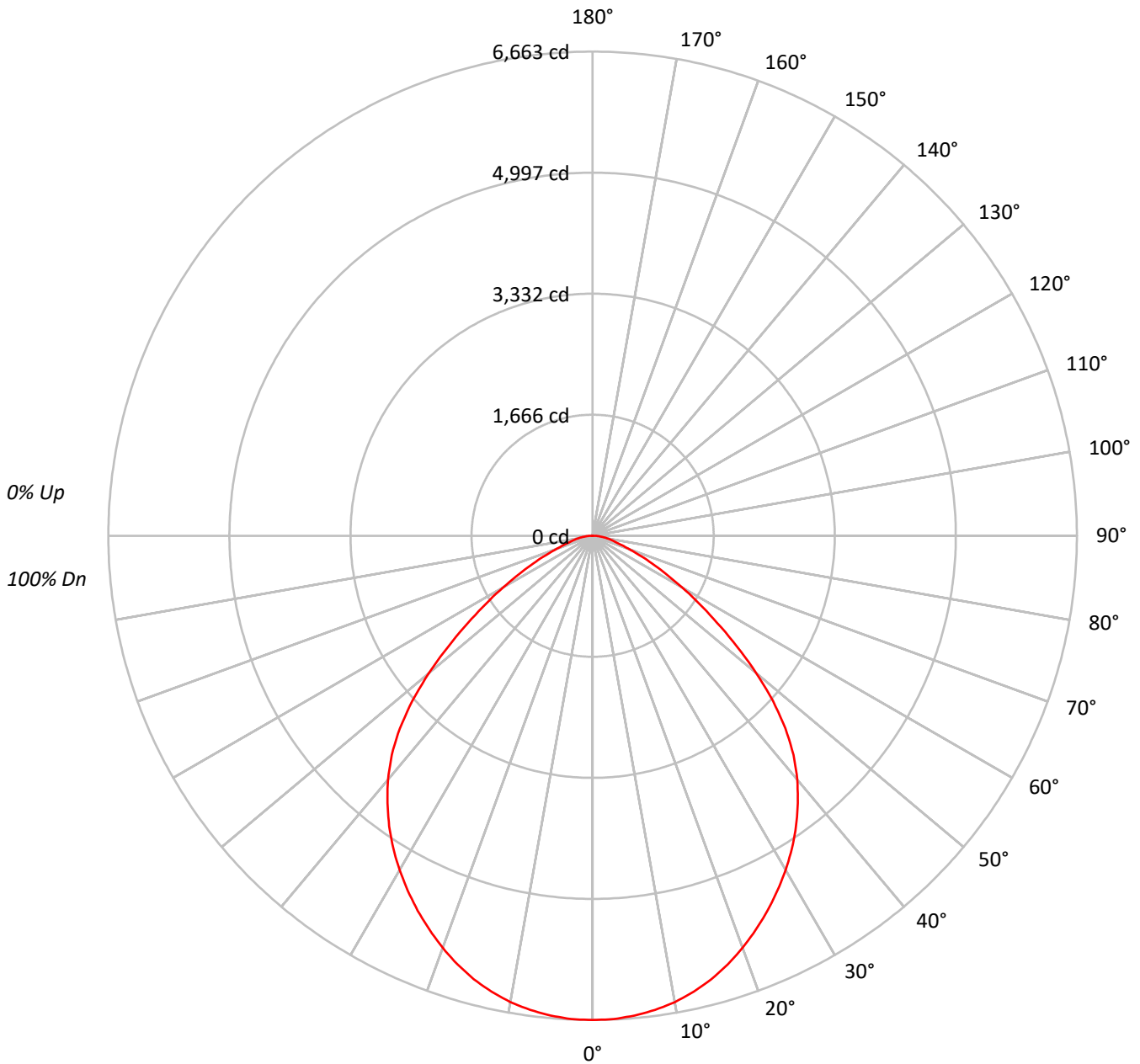
Lumens per Lamp: N/A
Luminaire Lumens: 14208.0 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	286897
5°	286428
10°	284870
15°	281577
20°	276462
25°	270474
30°	264034
35°	256504
40°	246179
45°	228361
50°	196735
55°	156931
60°	122175
65°	91456
70°	66367
75°	52618
80°	49292
85°	49104



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.1	4.4
10°-20°	1779.0	12.5
20°-30°	2621.6	18.5
30°-40°	3045.5	21.4
40°-50°	2862.7	20.1
50°-60°	1894.9	13.3
60°-70°	913.1	6.4
70°-80°	352.1	2.5
80°-90°	109.8	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°	5029.8	35.4
0°-40°	8075.3	56.8
0°-60°	12832.9	90.3
0°-90°	14208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14208.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6663	
5°	6627	629
15°	6317	1779
25°	5693	2622
35°	4880	3046
45°	3750	2863
55°	2091	1895
65°	898	913
75°	316	352
85°	99	110
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6663.4
2.5°	6657.4
5°	6627.2
7.5°	6582.1
10°	6515.8
12.5°	6425.4
15°	6317.0
17.5°	6184.4
20°	6033.8
22.5°	5868.1
25°	5693.4
27.5°	5506.6
30°	5310.8
32.5°	5103.0
35°	4880.1
37.5°	4636.1
40°	4380.0
42.5°	4090.8
45°	3750.4
47.5°	3364.8
50°	2937.1
52.5°	2503.3
55°	2090.6
57.5°	1735.1
60°	1418.8
62.5°	1135.7
65°	897.7
67.5°	695.9
70°	527.2
72.5°	400.6
75°	316.3
77.5°	256.1
80°	198.8
82.5°	147.6
85°	99.4
87.5°	57.2
90°	0.0



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— 0°-180°







(END OF REPORT)