

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: P839525

Luminaire Tested: **LD6C65D010 EU6659050 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839525
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: LD6C65D010 EU6659050 6LCSQWLI
Description: 6 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

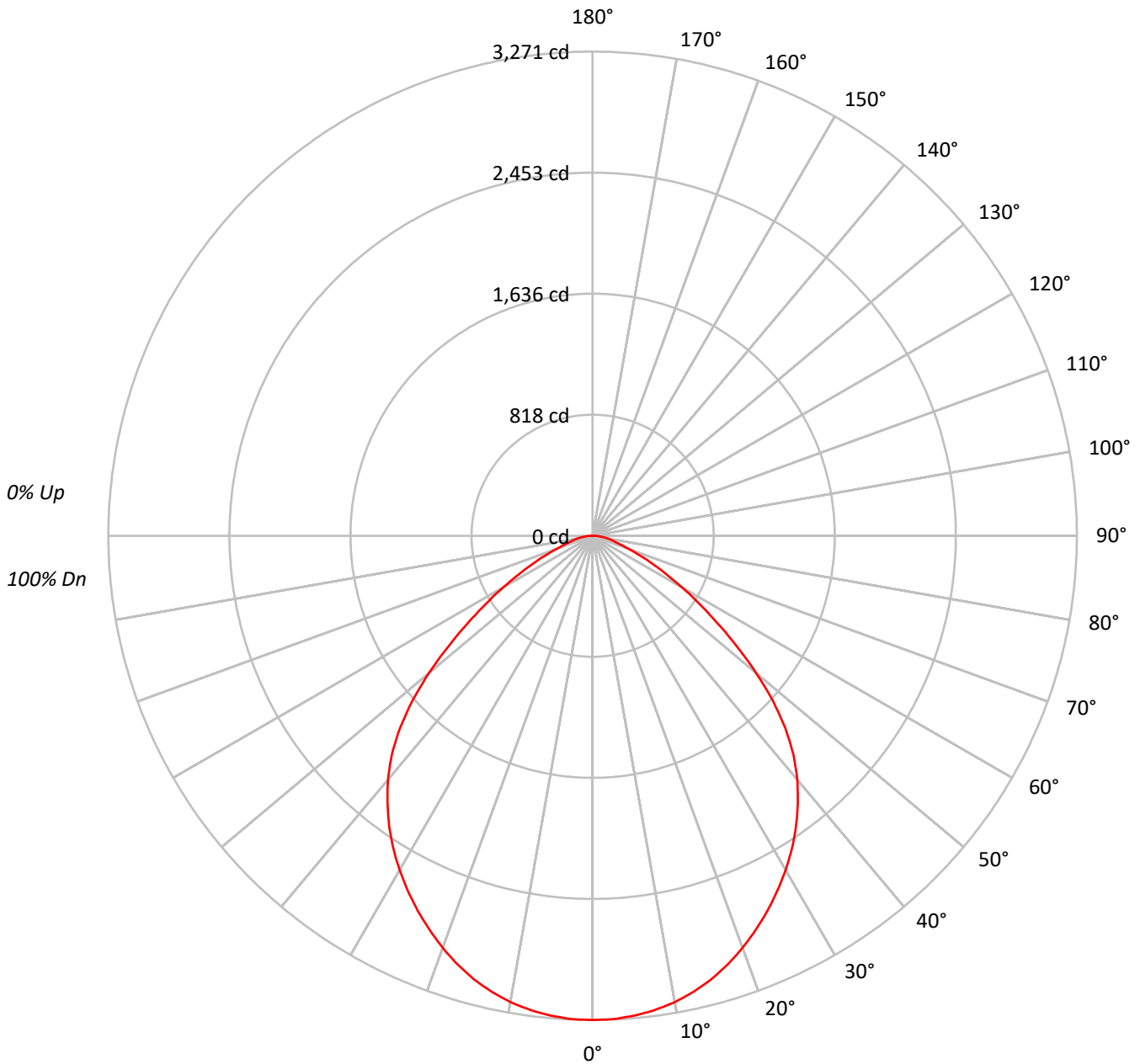
Lumens per Lamp: N/A
Luminaire Lumens: 6975.0 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	140844
5°	140617
10°	139847
15°	138230
20°	135720
25°	132781
30°	129621
35°	125921
40°	120852
45°	112110
50°	96582
55°	77039
60°	59977
65°	44898
70°	32579
75°	25835
80°	24200
85°	24108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.9	4.4
10°-20°	873.3	12.5
20°-30°	1287.0	18.5
30°-40°	1495.1	21.4
40°-50°	1405.4	20.1
50°-60°	930.3	13.3
60°-70°	448.3	6.4
70°-80°	172.9	2.5
80°-90°	53.9	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°	2469.2	35.4
0°-40°	3964.3	56.8
0°-60°	6299.9	90.3
0°-90°	6975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6975.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3271	
5°	3254	309
15°	3101	873
25°	2795	1287
35°	2396	1495
45°	1841	1405
55°	1026	930
65°	441	448
75°	155	173
85°	49	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3271.2
2.5°	3268.2
5°	3253.5
7.5°	3231.3
10°	3198.7
12.5°	3154.4
15°	3101.1
17.5°	3036.1
20°	2962.1
22.5°	2880.8
25°	2795.0
27.5°	2703.3
30°	2607.2
32.5°	2505.2
35°	2395.7
37.5°	2275.9
40°	2150.2
42.5°	2008.3
45°	1841.2
47.5°	1651.9
50°	1441.9
52.5°	1228.9
55°	1026.3
57.5°	851.8
60°	696.5
62.5°	557.5
65°	440.7
67.5°	341.6
70°	258.8
72.5°	196.7
75°	155.3
77.5°	125.7
80°	97.6
82.5°	72.5
85°	48.8
87.5°	28.1
90°	0.0



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— 0°-180°







(END OF REPORT)