

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: P839523

Luminaire Tested: **LD6C65D010 EU6659035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839523
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 EU6659035 6LCSQWLI
Description: 6 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

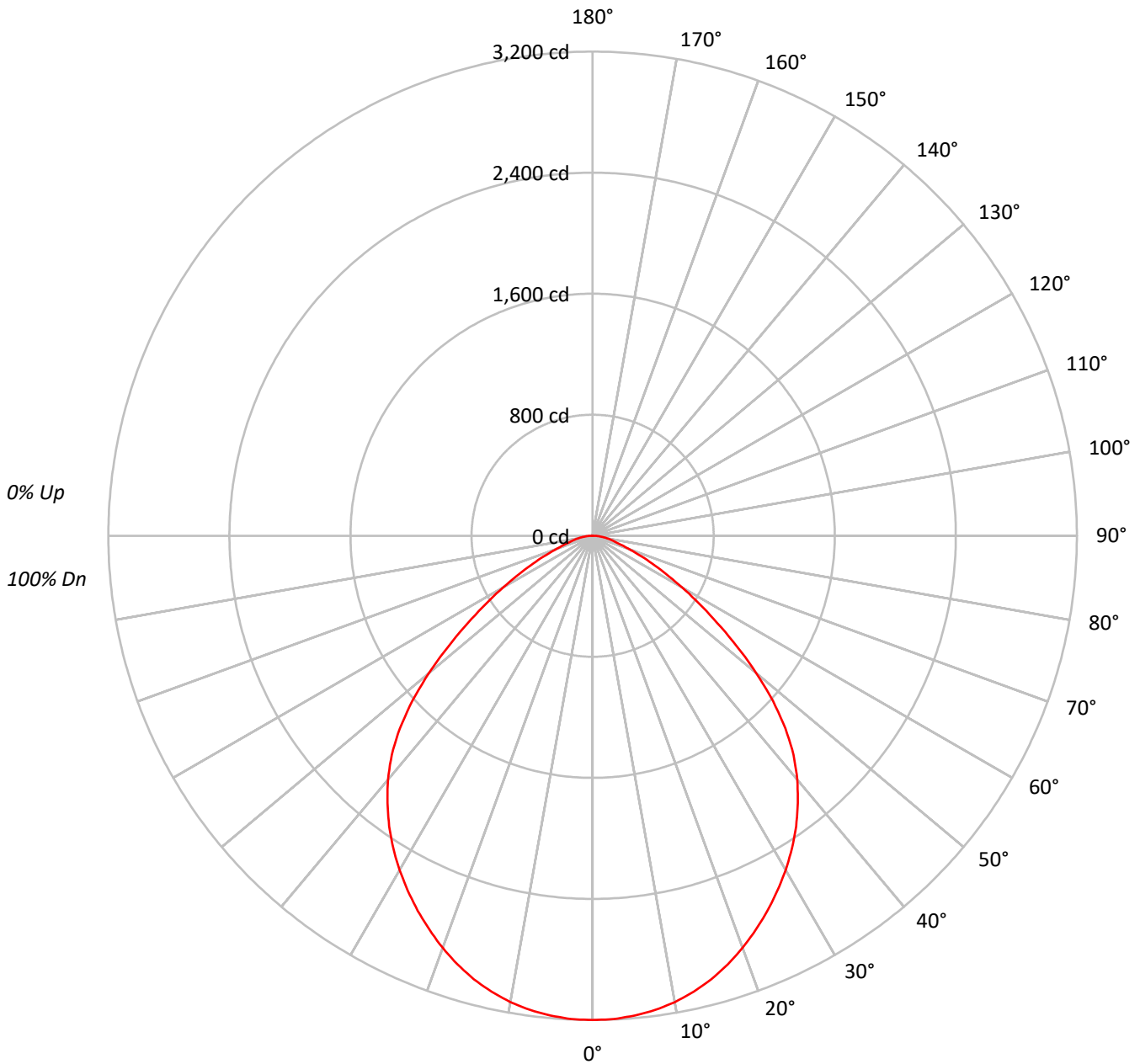
Lumens per Lamp: N/A
Luminaire Lumens: 6824.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	137795
5°	137570
10°	136821
15°	135239
20°	132783
25°	129907
30°	126817
35°	123198
40°	118239
45°	109681
50°	94493
55°	75373
60°	58685
65°	43930
70°	31874
75°	25269
80°	23679
85°	23564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.2	4.4
10°-20°	854.4	12.5
20°-30°	1259.2	18.5
30°-40°	1462.7	21.4
40°-50°	1374.9	20.1
50°-60°	910.1	13.3
60°-70°	438.6	6.4
70°-80°	169.1	2.5
80°-90°	52.8	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°	2415.8	35.4
0°-40°	3878.5	56.8
0°-60°	6163.6	90.3
0°-90°	6824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6824.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3200	
5°	3183	302
15°	3034	854
25°	2734	1259
35°	2344	1463
45°	1801	1375
55°	1004	910
65°	431	439
75°	152	169
85°	48	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3200.4
2.5°	3197.5
5°	3183.0
7.5°	3161.3
10°	3129.5
12.5°	3086.1
15°	3034.0
17.5°	2970.3
20°	2898.0
22.5°	2818.4
25°	2734.5
27.5°	2644.8
30°	2550.8
32.5°	2450.9
35°	2343.9
37.5°	2226.7
40°	2103.7
42.5°	1964.8
45°	1801.3
47.5°	1616.1
50°	1410.7
52.5°	1202.3
55°	1004.1
57.5°	833.4
60°	681.5
62.5°	545.5
65°	431.2
67.5°	334.2
70°	253.2
72.5°	192.4
75°	151.9
77.5°	123.0
80°	95.5
82.5°	70.9
85°	47.7
87.5°	27.5
90°	0.0



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— 0°-180°







(END OF REPORT)