

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: P839493

Luminaire Tested: **LD6C35D010 EU6359035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839493
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: LD6C35D010 EU6359035 6LCSQWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

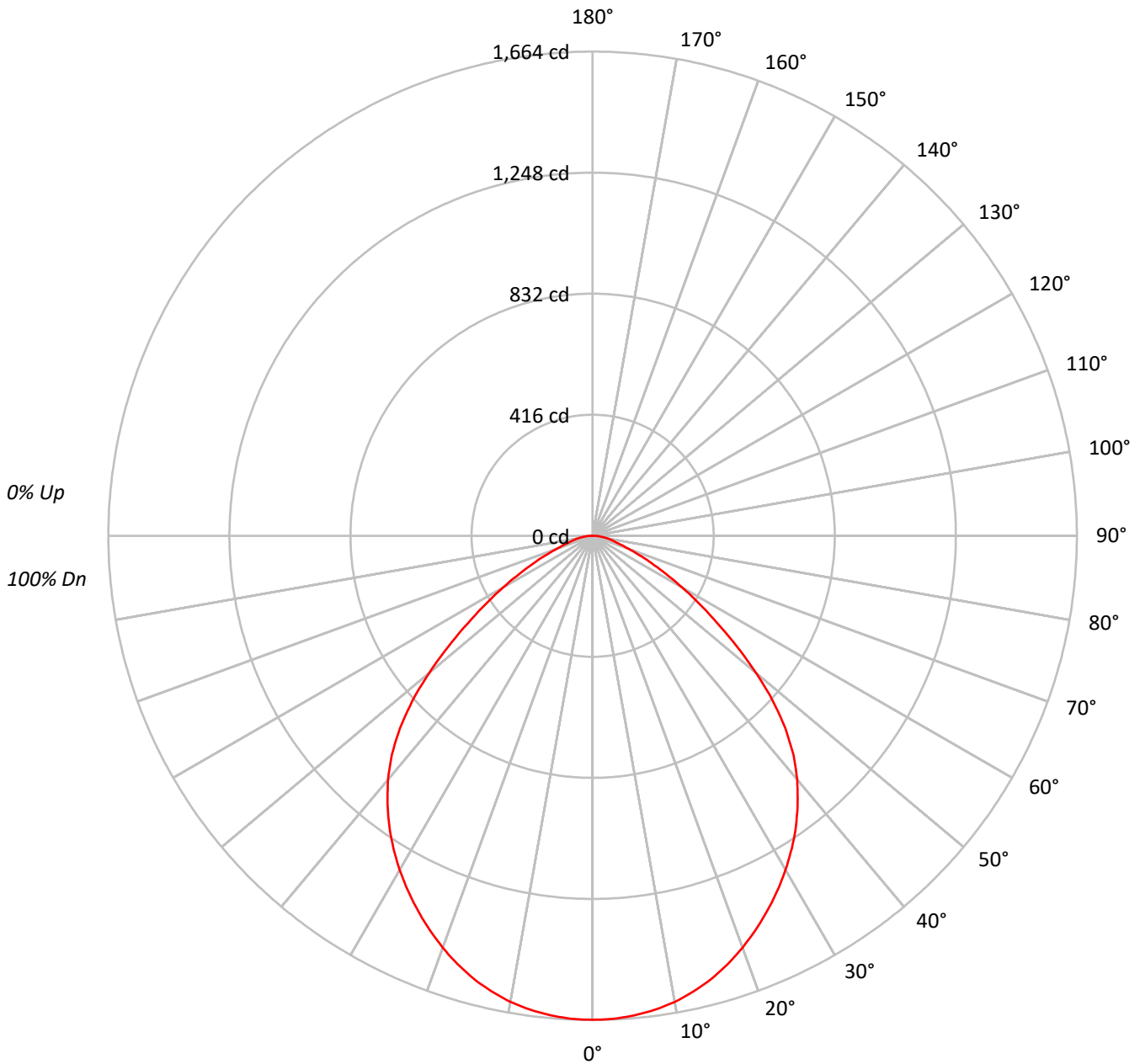
Lumens per Lamp: N/A
Luminaire Lumens: 3546.9 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	71623
5°	71508
10°	71119
15°	70294
20°	69017
25°	67521
30°	65914
35°	64035
40°	61460
45°	57011
50°	49112
55°	39177
60°	30501
65°	22831
70°	16567
75°	13142
80°	12298
85°	12251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	4.4
10°-20°	444.1	12.5
20°-30°	654.5	18.5
30°-40°	760.3	21.4
40°-50°	714.7	20.1
50°-60°	473.1	13.3
60°-70°	227.9	6.4
70°-80°	87.9	2.5
80°-90°	27.4	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°	1255.7	35.4
0°-40°	2016.0	56.8
0°-60°	3203.7	90.3
0°-90°	3546.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3546.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1664	
5°	1654	157
15°	1577	444
25°	1421	654
35°	1218	760
45°	936	715
55°	522	473
65°	224	228
75°	79	88
85°	25	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1663.5
2.5°	1662.0
5°	1654.5
7.5°	1643.2
10°	1626.7
12.5°	1604.1
15°	1577.0
17.5°	1543.9
20°	1506.3
22.5°	1465.0
25°	1421.3
27.5°	1374.7
30°	1325.8
32.5°	1273.9
35°	1218.3
37.5°	1157.4
40°	1093.5
42.5°	1021.3
45°	936.3
47.5°	840.0
50°	733.2
52.5°	624.9
55°	521.9
57.5°	433.2
60°	354.2
62.5°	283.5
65°	224.1
67.5°	173.7
70°	131.6
72.5°	100.0
75°	79.0
77.5°	63.9
80°	49.6
82.5°	36.8
85°	24.8
87.5°	14.3
90°	0.0



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— 0°-180°







(END OF REPORT)