

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: P839494

Luminaire Tested: **LD6C35D010 EU6359040 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839494
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 EU6359040 6LCSQWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

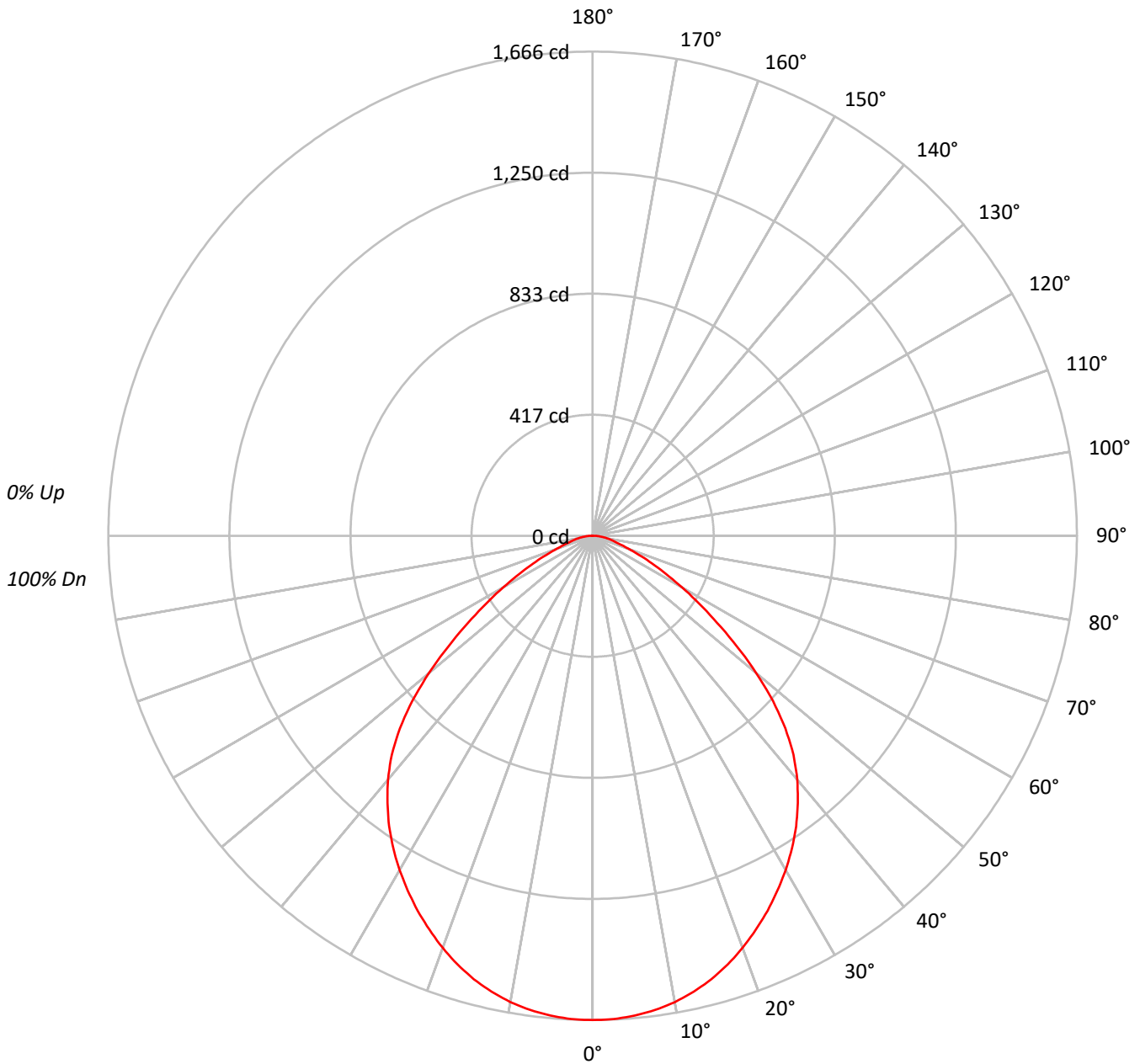
Lumens per Lamp: N/A
Luminaire Lumens: 3553.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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																			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66																			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51																			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46																			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41																			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37																			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33																			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71744
5°	71629
10°	71237
15°	70414
20°	69136
25°	67640
30°	66028
35°	64146
40°	61562
45°	57109
50°	49199
55°	39244
60°	30552
65°	22872
70°	16592
75°	13159
80°	12323
85°	12301



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	4.4
10°-20°	444.9	12.5
20°-30°	655.6	18.5
30°-40°	761.6	21.4
40°-50°	715.9	20.1
50°-60°	473.9	13.3
60°-70°	228.3	6.4
70°-80°	88.0	2.5
80°-90°	27.5	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°	1257.8	35.4
0°-40°	2019.4	56.8
0°-60°	3209.1	90.3
0°-90°	3553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3553.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1666	
5°	1657	157
15°	1580	445
25°	1424	656
35°	1220	762
45°	938	716
55°	523	474
65°	224	228
75°	79	88
85°	25	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1666.3
2.5°	1664.8
5°	1657.3
7.5°	1646.0
10°	1629.4
12.5°	1606.8
15°	1579.7
17.5°	1546.5
20°	1508.9
22.5°	1467.4
25°	1423.8
27.5°	1377.0
30°	1328.1
32.5°	1276.1
35°	1220.4
37.5°	1159.3
40°	1095.3
42.5°	1023.0
45°	937.9
47.5°	841.4
50°	734.5
52.5°	626.0
55°	522.8
57.5°	433.9
60°	354.8
62.5°	284.0
65°	224.5
67.5°	174.0
70°	131.8
72.5°	100.2
75°	79.1
77.5°	64.0
80°	49.7
82.5°	36.9
85°	24.9
87.5°	14.3
90°	0.0



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— 0°-180°







(END OF REPORT)