

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: P839533

Luminaire Tested: **LD6C75D010 EU6759035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839533
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: LD6C75D010 EU6759035 6LCSQWLI
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

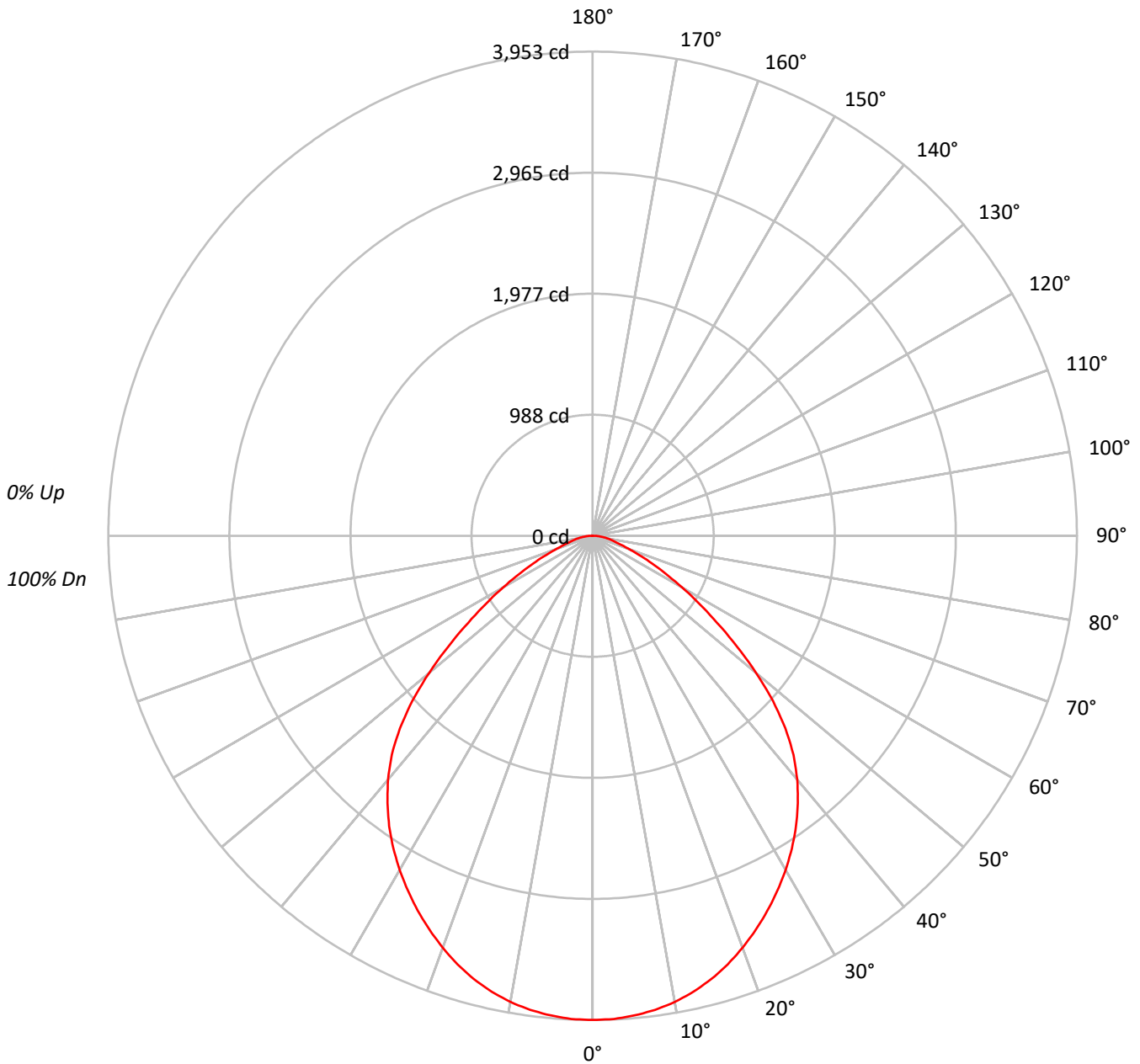
Lumens per Lamp: N/A
Luminaire Lumens: 8428.1 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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

TEST NUMBER: P839533

CATALOG NUMBER: LD6C75D010 EU6759035 6LCSQWLI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170182
5°	169907
10°	168982
15°	167025
20°	163995
25°	160444
30°	156622
35°	152154
40°	146032
45°	135462
50°	116697
55°	93088
60°	72471
65°	54250
70°	39365
75°	31208
80°	29233
85°	29146



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	4.4
10°-20°	1055.3	12.5
20°-30°	1555.1	18.5
30°-40°	1806.6	21.4
40°-50°	1698.1	20.1
50°-60°	1124.0	13.3
60°-70°	541.7	6.4
70°-80°	208.9	2.5
80°-90°	65.2	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°	2983.6	35.4
0°-40°	4790.2	56.8
0°-60°	7612.3	90.3
0°-90°	8428.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8428.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3953	
5°	3931	373
15°	3747	1055
25°	3377	1555
35°	2895	1807
45°	2225	1698
55°	1240	1124
65°	532	542
75°	188	209
85°	59	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3952.6
2.5°	3949.1
5°	3931.2
7.5°	3904.4
10°	3865.1
12.5°	3811.5
15°	3747.1
17.5°	3668.5
20°	3579.2
22.5°	3480.9
25°	3377.3
27.5°	3266.5
30°	3150.3
32.5°	3027.0
35°	2894.8
37.5°	2750.1
40°	2598.2
42.5°	2426.6
45°	2224.7
47.5°	1996.0
50°	1742.2
52.5°	1484.9
55°	1240.1
57.5°	1029.3
60°	841.6
62.5°	673.7
65°	532.5
67.5°	412.8
70°	312.7
72.5°	237.7
75°	187.6
77.5°	151.9
80°	117.9
82.5°	87.6
85°	59.0
87.5°	34.0
90°	0.0



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— 0°-180°







(END OF REPORT)