

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: P839522

Luminaire Tested: **LD6C65D010 EU6659030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839522
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 EU6659030 6LCSQWLI
Description: 6 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

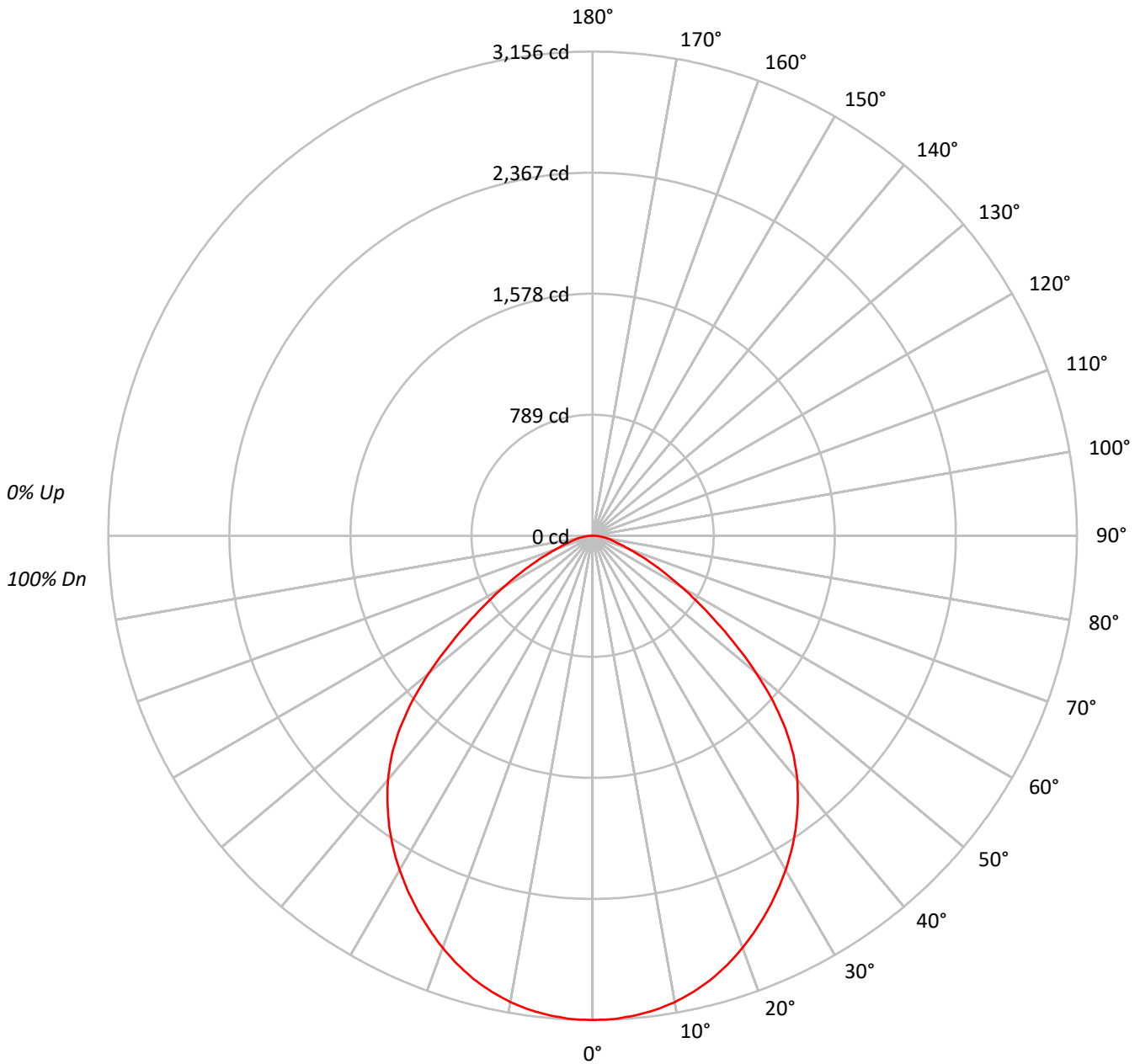
Lumens per Lamp: N/A
Luminaire Lumens: 6730.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	135897
5°	135677
10°	134937
15°	133376
20°	130955
25°	128116
30°	125067
35°	121501
40°	116609
45°	108171
50°	93186
55°	74337
60°	57875
65°	43319
70°	31434
75°	24920
80°	23357
85°	23268



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.0	4.4
10°-20°	842.7	12.5
20°-30°	1241.8	18.5
30°-40°	1442.6	21.4
40°-50°	1356.0	20.1
50°-60°	897.6	13.3
60°-70°	432.5	6.4
70°-80°	166.8	2.5
80°-90°	52.0	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°	2382.5	35.4
0°-40°	3825.1	56.8
0°-60°	6078.7	90.3
0°-90°	6730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6730.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3156	
5°	3139	298
15°	2992	843
25°	2697	1242
35°	2312	1443
45°	1776	1356
55°	990	898
65°	425	433
75°	150	167
85°	47	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3156.3
2.5°	3153.4
5°	3139.2
7.5°	3117.8
10°	3086.4
12.5°	3043.6
15°	2992.2
17.5°	2929.4
20°	2858.1
22.5°	2779.6
25°	2696.8
27.5°	2608.4
30°	2515.6
32.5°	2417.2
35°	2311.6
37.5°	2196.0
40°	2074.7
42.5°	1937.7
45°	1776.5
47.5°	1593.8
50°	1391.2
52.5°	1185.8
55°	990.3
57.5°	821.9
60°	672.1
62.5°	537.9
65°	425.2
67.5°	329.6
70°	249.7
72.5°	189.8
75°	149.8
77.5°	121.3
80°	94.2
82.5°	69.9
85°	47.1
87.5°	27.1
90°	0.0



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— 0°-180°







(END OF REPORT)