

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: P839518

Luminaire Tested: **LD6C60D010 EU6609035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839518
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: LD6C60D010 EU6609035 6LCSQWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

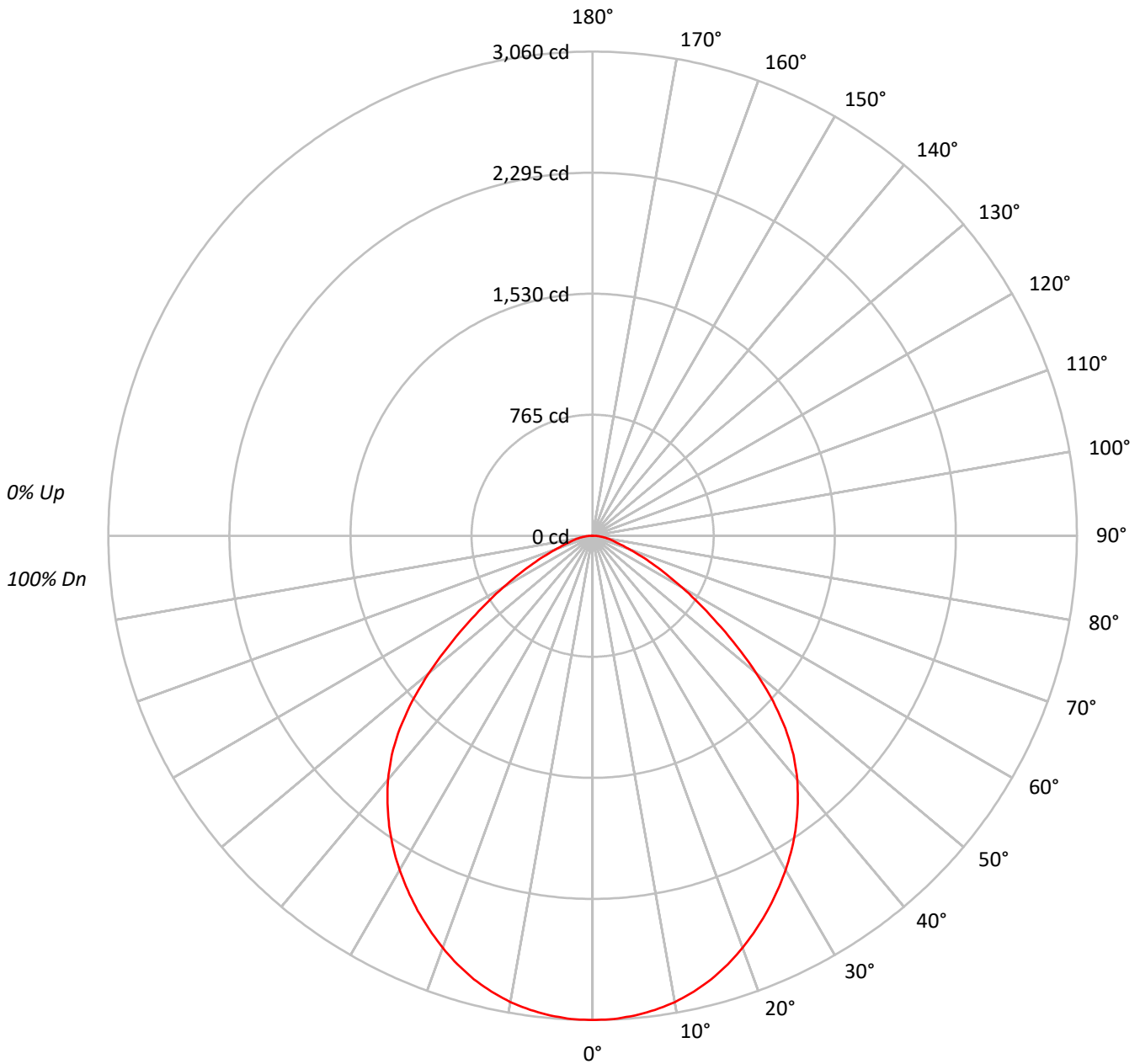
Lumens per Lamp: N/A
Luminaire Lumens: 6525.1 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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°	131759
5°	131545
10°	130827
15°	129315
20°	126964
25°	124216
30°	121258
35°	117800
40°	113057
45°	104877
50°	90346
55°	72070
60°	56110
65°	42004
70°	30477
75°	24171
80°	22638
85°	22576



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.9	4.4
10°-20°	817.0	12.5
20°-30°	1204.0	18.5
30°-40°	1398.6	21.4
40°-50°	1314.7	20.1
50°-60°	870.2	13.3
60°-70°	419.4	6.4
70°-80°	161.7	2.5
80°-90°	50.5	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°	2309.9	35.4
0°-40°	3708.6	56.8
0°-60°	5893.5	90.3
0°-90°	6525.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6525.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3060	
5°	3044	289
15°	2901	817
25°	2615	1204
35°	2241	1399
45°	1722	1315
55°	960	870
65°	412	419
75°	145	162
85°	46	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3060.2
2.5°	3057.4
5°	3043.6
7.5°	3022.8
10°	2992.4
12.5°	2950.9
15°	2901.1
17.5°	2840.2
20°	2771.0
22.5°	2694.9
25°	2614.7
27.5°	2528.9
30°	2439.0
32.5°	2343.5
35°	2241.2
37.5°	2129.1
40°	2011.5
42.5°	1878.7
45°	1722.4
47.5°	1545.3
50°	1348.8
52.5°	1149.6
55°	960.1
57.5°	796.9
60°	651.6
62.5°	521.6
65°	412.3
67.5°	319.6
70°	242.1
72.5°	184.0
75°	145.3
77.5°	117.6
80°	91.3
82.5°	67.8
85°	45.7
87.5°	26.3
90°	0.0



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— 0°-180°







(END OF REPORT)