

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: P839520

Luminaire Tested: **LD6C60D010 EU6609050 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839520
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 EU6609050 6LCSQWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

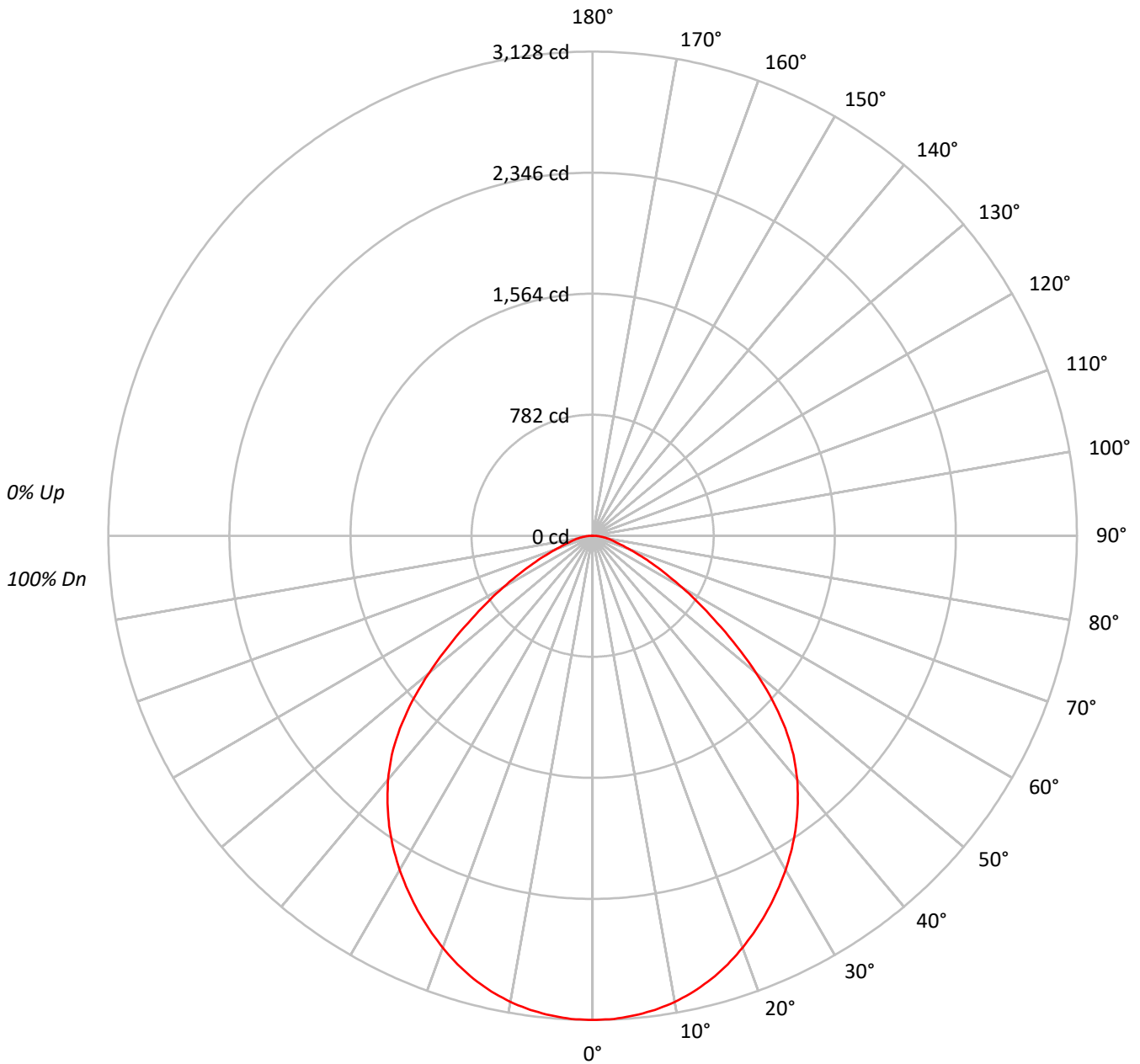
Lumens per Lamp: N/A
Luminaire Lumens: 6669.1 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	134665
5°	134445
10°	133713
15°	132168
20°	129768
25°	126957
30°	123933
35°	120397
40°	115552
45°	107191
50°	92342
55°	73662
60°	57350
65°	42932
70°	31144
75°	24704
80°	23134
85°	23070



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.3	4.4
10°-20°	835.0	12.5
20°-30°	1230.6	18.5
30°-40°	1429.5	21.4
40°-50°	1343.7	20.1
50°-60°	889.4	13.3
60°-70°	428.6	6.4
70°-80°	165.3	2.5
80°-90°	51.6	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°	2360.9	35.4
0°-40°	3790.4	56.8
0°-60°	6023.6	90.3
0°-90°	6669.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6669.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3128	
5°	3111	295
15°	2965	835
25°	2672	1231
35°	2291	1430
45°	1760	1344
55°	981	889
65°	421	429
75°	148	165
85°	47	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3127.7
2.5°	3124.9
5°	3110.7
7.5°	3089.5
10°	3058.4
12.5°	3016.0
15°	2965.1
17.5°	2902.9
20°	2832.2
22.5°	2754.4
25°	2672.4
27.5°	2584.7
30°	2492.8
32.5°	2395.3
35°	2290.6
37.5°	2176.1
40°	2055.9
42.5°	1920.2
45°	1760.4
47.5°	1579.4
50°	1378.6
52.5°	1175.0
55°	981.3
57.5°	814.4
60°	666.0
62.5°	533.1
65°	421.4
67.5°	326.6
70°	247.4
72.5°	188.1
75°	148.5
77.5°	120.2
80°	93.3
82.5°	69.3
85°	46.7
87.5°	26.9
90°	0.0



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— 0°-180°







(END OF REPORT)