

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: P839517

Luminaire Tested: **LD6C60D010 EU6609030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839517
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 EU6609030 6LCSQWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

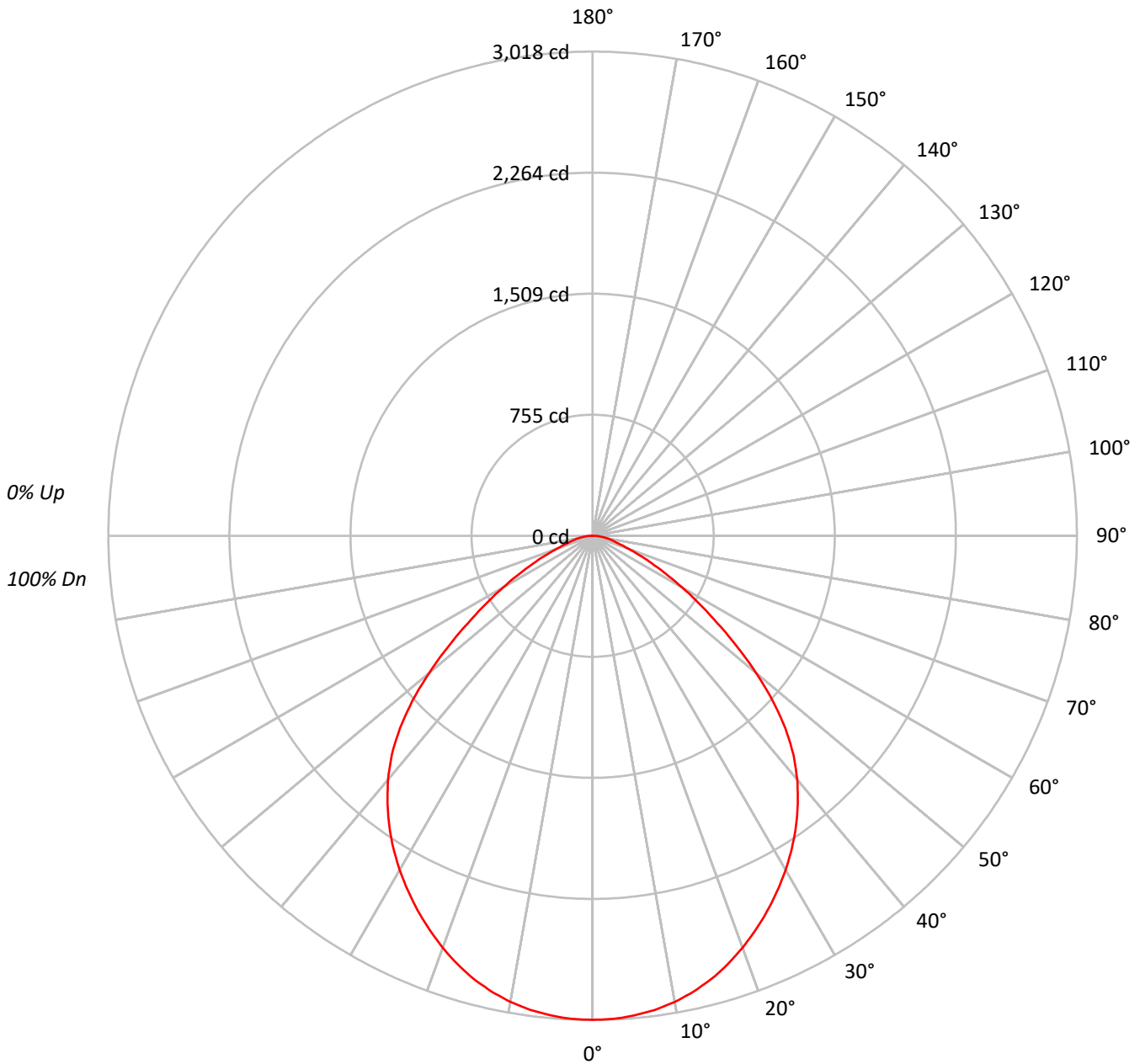
Lumens per Lamp: N/A
Luminaire Lumens: 6433.9 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	129920
5°	129708
10°	129000
15°	127510
20°	125195
25°	122482
30°	119568
35°	116155
40°	111483
45°	103415
50°	89087
55°	71064
60°	55327
65°	41414
70°	30049
75°	23822
80°	22315
85°	22230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.9	4.4
10°-20°	805.6	12.5
20°-30°	1187.2	18.5
30°-40°	1379.1	21.4
40°-50°	1296.4	20.1
50°-60°	858.1	13.3
60°-70°	413.5	6.4
70°-80°	159.4	2.5
80°-90°	49.7	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°	2277.7	35.4
0°-40°	3656.8	56.8
0°-60°	5811.3	90.3
0°-90°	6433.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6433.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3018	
5°	3001	285
15°	2861	806
25°	2578	1187
35°	2210	1379
45°	1698	1296
55°	947	858
65°	406	413
75°	143	159
85°	45	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3017.5
2.5°	3014.7
5°	3001.1
7.5°	2980.6
10°	2950.6
12.5°	2909.7
15°	2860.6
17.5°	2800.6
20°	2732.4
22.5°	2657.3
25°	2578.2
27.5°	2493.6
30°	2405.0
32.5°	2310.9
35°	2209.9
37.5°	2099.4
40°	1983.5
42.5°	1852.5
45°	1698.4
47.5°	1523.7
50°	1330.0
52.5°	1133.6
55°	946.7
57.5°	785.7
60°	642.5
62.5°	514.3
65°	406.5
67.5°	315.1
70°	238.7
72.5°	181.4
75°	143.2
77.5°	116.0
80°	90.0
82.5°	66.8
85°	45.0
87.5°	25.9
90°	0.0



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— 0°-180°







(END OF REPORT)