

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P760653

Luminaire Tested: LD6D10D010-EU6DR600210IC9027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR600210IC9027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 805.5 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (Ain): 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: 24 FT

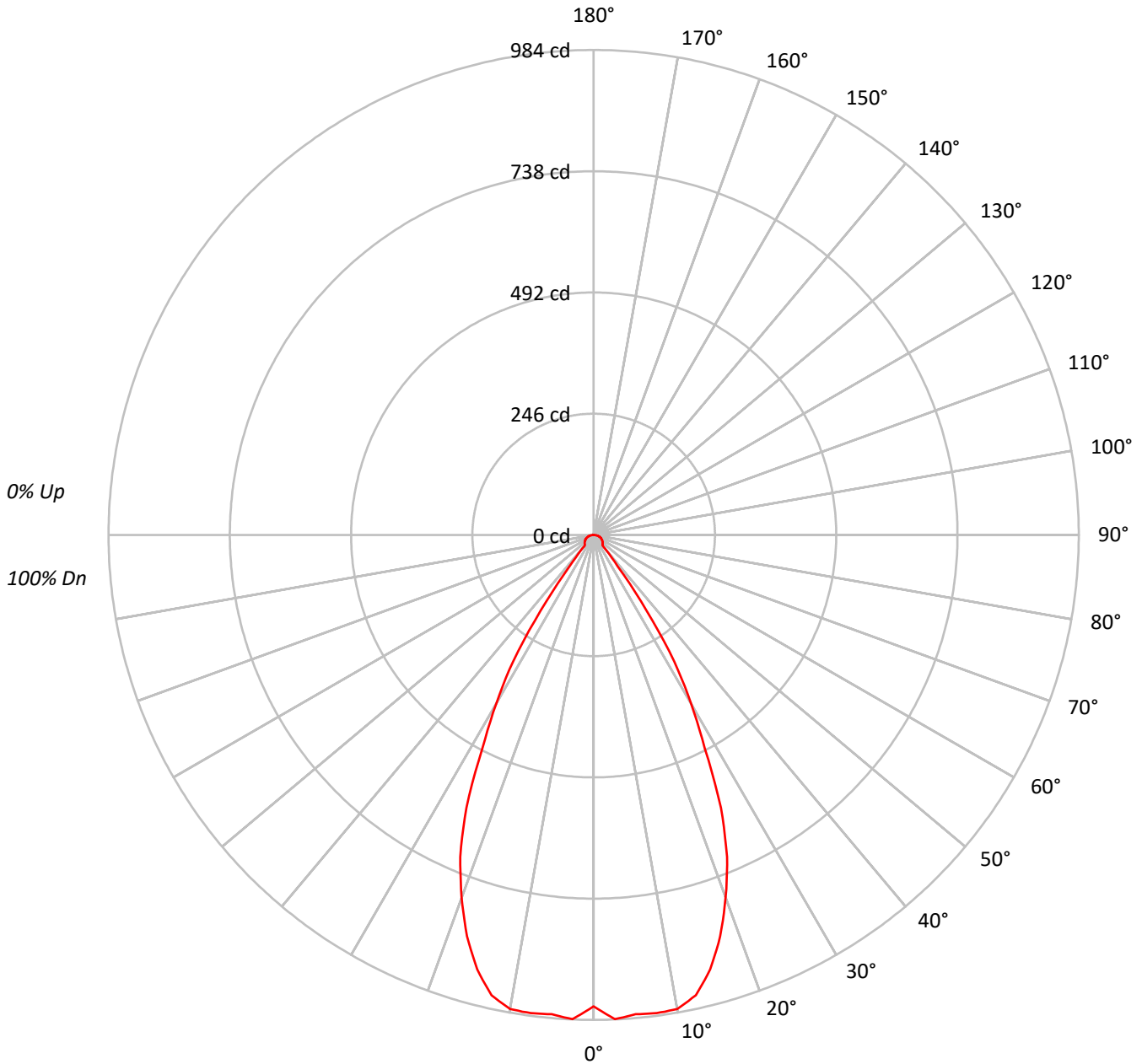


Downlight



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104519
5°	107090
10°	108383
15°	103251
20°	91030
25°	73636
30°	49809
35°	24956
40°	4051
45°	3971
50°	4046
55°	4096
60°	4217
65°	4318
70°	4409
75°	4475
80°	4342
85°	3636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 4475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	11.6
10°-20°	252.5	31.3
20°-30°	271.6	33.7
30°-40°	118.1	14.7
40°-50°	19.8	2.5
50°-60°	19.3	2.4
60°-70°	16.5	2.0
70°-80°	11.0	1.4
80°-90°	3.3	0.4
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°	617.5	76.7
0°-40°	735.5	91.3
0°-60°	774.6	96.2
0°-90°	805.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	957	
5°	976	93
15°	913	252
25°	611	272
35°	187	118
45°	26	20
55°	22	19
65°	17	16
75°	11	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	956.6
2.5°	983.5
5°	976.4
7.5°	978.7
10°	976.9
12.5°	956.8
15°	912.8
17.5°	853.8
20°	782.9
22.5°	707.1
25°	610.8
27.5°	488.5
30°	394.8
32.5°	304.3
35°	187.1
37.5°	80.0
40°	28.4
42.5°	26.1
45°	25.7
47.5°	24.8
50°	23.8
52.5°	22.6
55°	21.5
57.5°	20.4
60°	19.3
62.5°	18.0
65°	16.7
67.5°	15.3
70°	13.8
72.5°	12.2
75°	10.6
77.5°	8.7
80°	6.9
82.5°	4.9
85°	2.9
87.5°	1.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)