

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: P757767

Luminaire Tested: LD6D02D010-EU6DR700210IC9027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P757767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR700210IC9027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 218.9 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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



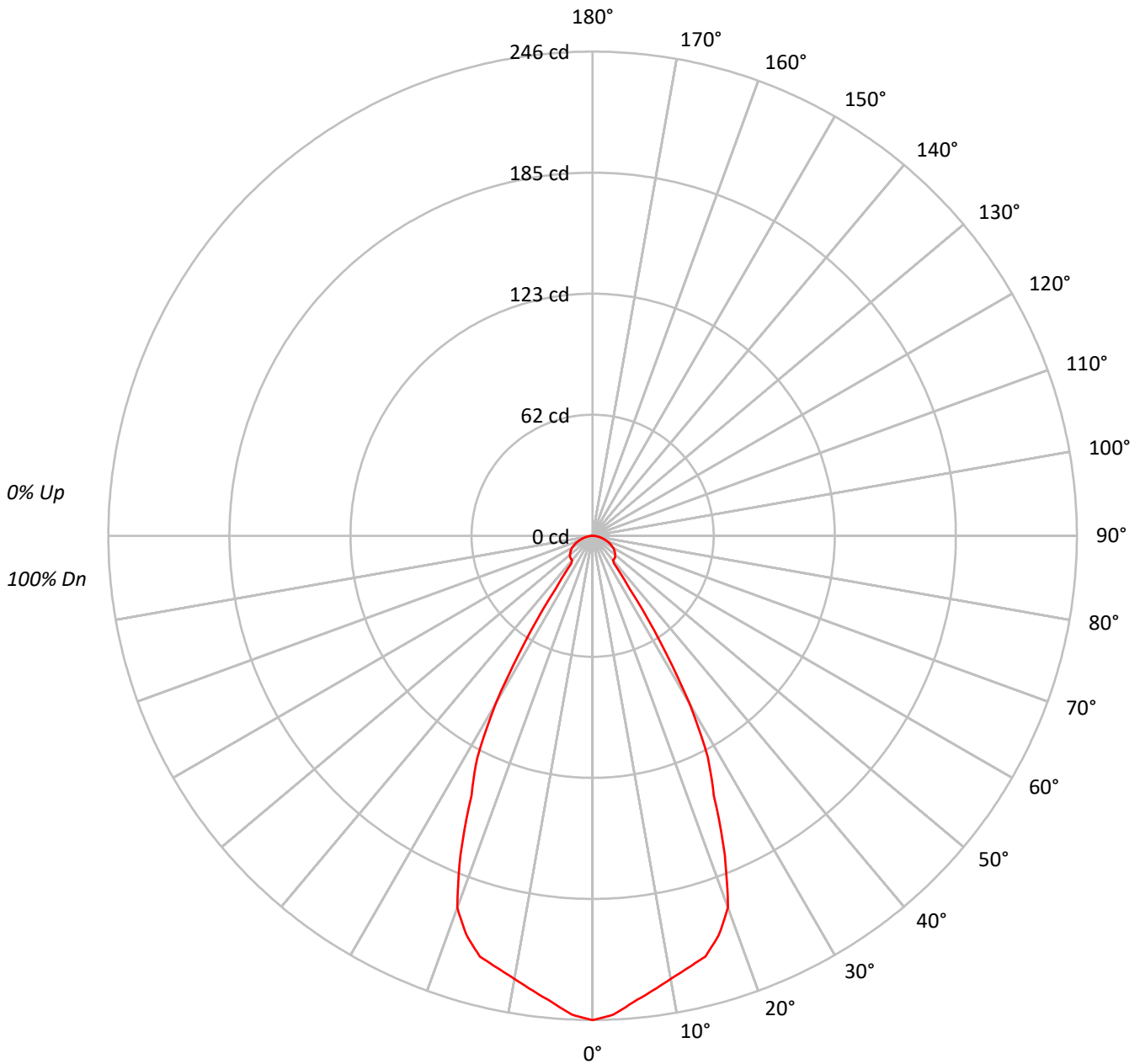
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26889
5°	26081
10°	25362
15°	25032
20°	23371
25°	17553
30°	12414
35°	4388
40°	2311
45°	2457
50°	2550
55°	2591
60°	2622
65°	2559
70°	2428
75°	2237
80°	2013
85°	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 2622 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	10.3
10°-20°	61.5	28.1
20°-30°	67.8	31.0
30°-40°	25.9	11.8
40°-50°	12.2	5.6
50°-60°	12.1	5.5
60°-70°	9.7	4.4
70°-80°	5.6	2.6
80°-90°	1.5	0.7
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°	151.8	69.3
0°-40°	177.6	81.2
0°-60°	202.0	92.3
0°-90°	218.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	218.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	246	
5°	238	22
15°	221	62
25°	146	68
35°	33	26
45°	16	12
55°	14	12
65°	10	10
75°	5	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	246.1
2.5°	243.5
5°	237.8
7.5°	233.1
10°	228.6
12.5°	224.7
15°	221.3
17.5°	212.9
20°	201.0
22.5°	175.4
25°	145.6
27.5°	126.8
30°	98.4
32.5°	63.5
35°	32.9
37.5°	17.8
40°	16.2
42.5°	16.1
45°	15.9
47.5°	15.6
50°	15.0
52.5°	14.3
55°	13.6
57.5°	12.8
60°	12.0
62.5°	10.9
65°	9.9
67.5°	8.7
70°	7.6
72.5°	6.4
75°	5.3
77.5°	4.2
80°	3.2
82.5°	2.2
85°	1.3
87.5°	0.5
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)