

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



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: P770782

Luminaire Tested: LD6D70BD010-EU6DR6070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770782
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: LD6D70BD010-EU6DR6070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7407.8 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

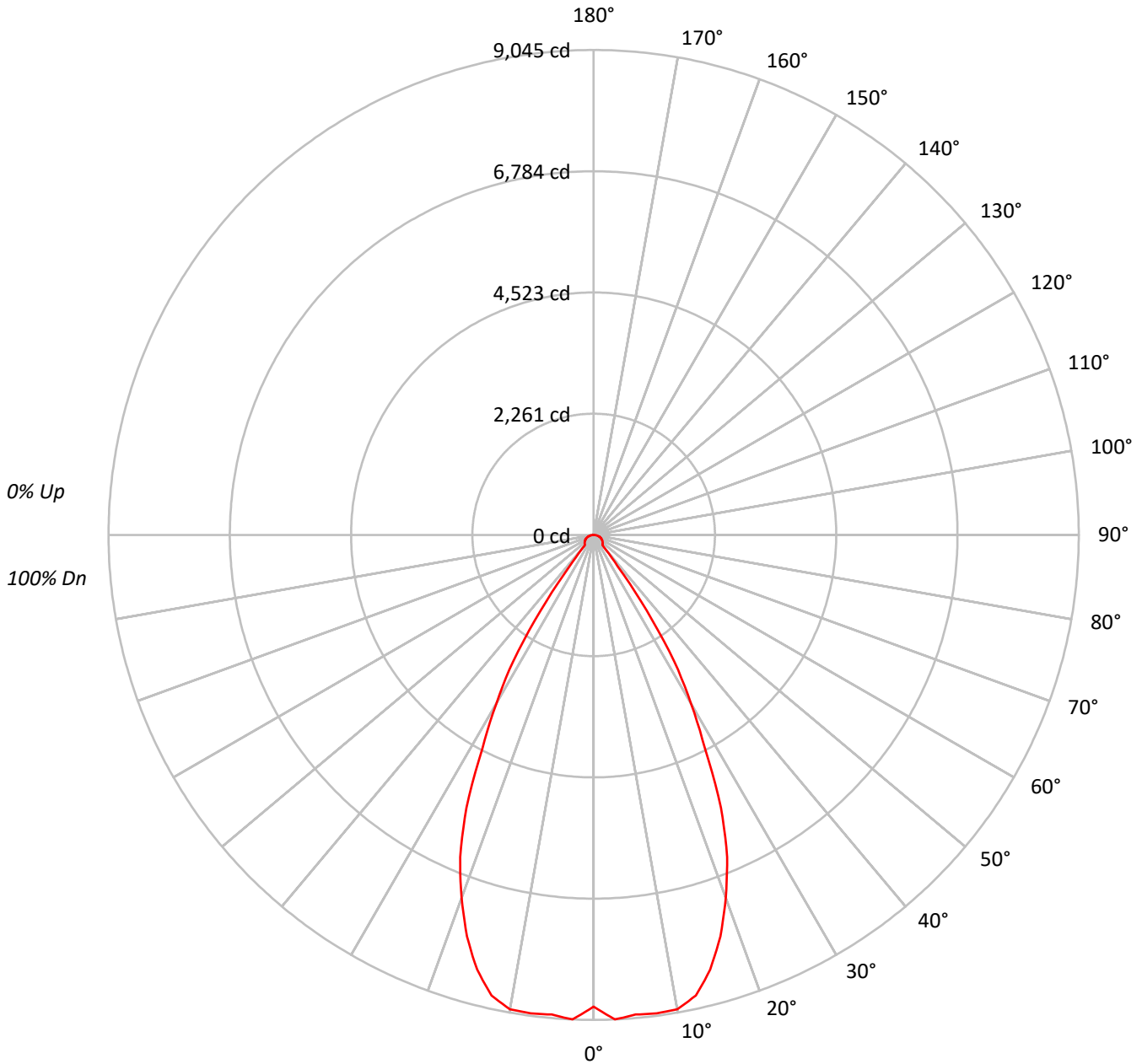
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	961243
5°	984877
10°	996775
15°	949556
20°	837223
25°	677163
30°	458049
35°	229525
40°	37226
45°	36451
50°	37175
55°	37736
60°	38788
65°	39659
70°	40603
75°	41075
80°	39640
85°	32970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 41075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.2	11.6
10°-20°	2322.0	31.3
20°-30°	2498.3	33.7
30°-40°	1085.9	14.7
40°-50°	182.4	2.5
50°-60°	177.4	2.4
60°-70°	151.7	2.0
70°-80°	101.5	1.4
80°-90°	30.4	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°	5678.5	76.7
0°-40°	6764.5	91.3
0°-60°	7124.2	96.2
0°-90°	7407.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7407.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8798	
5°	8980	858
15°	8395	2322
25°	5617	2498
35°	1721	1086
45°	236	182
55°	198	177
65°	153	152
75°	97	101
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8797.7
2.5°	9045.0
5°	8979.7
7.5°	9000.3
10°	8984.3
12.5°	8798.8
15°	8394.6
17.5°	7851.9
20°	7200.5
22.5°	6503.2
25°	5617.0
27.5°	4492.7
30°	3630.6
32.5°	2798.2
35°	1720.8
37.5°	736.2
40°	261.0
42.5°	240.4
45°	235.9
47.5°	227.8
50°	218.7
52.5°	208.4
55°	198.1
57.5°	187.8
60°	177.5
62.5°	166.0
65°	153.4
67.5°	140.8
70°	127.1
72.5°	112.2
75°	97.3
77.5°	80.1
80°	63.0
82.5°	44.7
85°	26.3
87.5°	9.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)