

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: P770808

Luminaire Tested: LD6D70BD010-EU6DR6070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770808
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-EU6DR6070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7809.5 lumens
Efficiency: N/A
Efficacy: 117.3 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

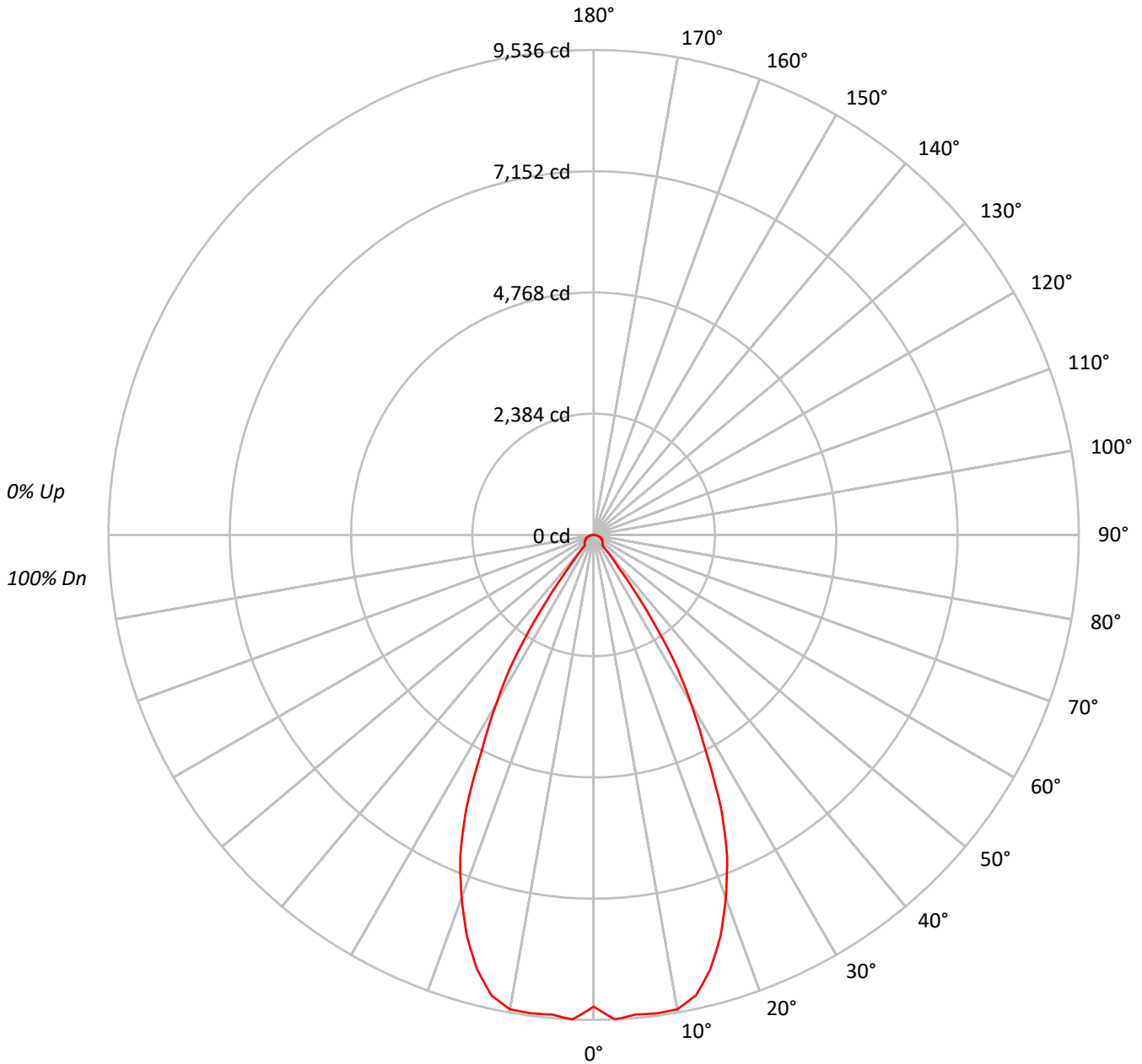
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1013361
5°	1038290
10°	1050828
15°	1001057
20°	882616
25°	713884
30°	482891
35°	241983
40°	39252
45°	38413
50°	39180
55°	39774
60°	40885
65°	41805
70°	42807
75°	43313
80°	41779
85°	34851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 43313 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.8	11.6
10°-20°	2447.9	31.3
20°-30°	2633.8	33.7
30°-40°	1144.9	14.7
40°-50°	192.3	2.5
50°-60°	187.0	2.4
60°-70°	159.9	2.0
70°-80°	107.0	1.4
80°-90°	32.0	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°	5986.5	76.7
0°-40°	7131.3	91.3
0°-60°	7510.6	96.2
0°-90°	7809.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7809.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9275	
5°	9467	905
15°	8850	2448
25°	5922	2634
35°	1814	1145
45°	249	192
55°	209	187
65°	162	160
75°	103	107
85°	28	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9274.7
2.5°	9535.5
5°	9466.7
7.5°	9488.4
10°	9471.5
12.5°	9275.9
15°	8849.9
17.5°	8277.7
20°	7590.9
22.5°	6855.9
25°	5921.6
27.5°	4736.3
30°	3827.5
32.5°	2950.0
35°	1814.2
37.5°	776.1
40°	275.2
42.5°	253.5
45°	248.6
47.5°	240.2
50°	230.5
52.5°	219.7
55°	208.8
57.5°	198.0
60°	187.1
62.5°	175.0
65°	161.7
67.5°	148.5
70°	134.0
72.5°	118.3
75°	102.6
77.5°	84.5
80°	66.4
82.5°	47.1
85°	27.8
87.5°	9.7
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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