

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: P770831

Luminaire Tested: LD6D70BD010-EU6DR6570959027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR6570959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5113.9 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

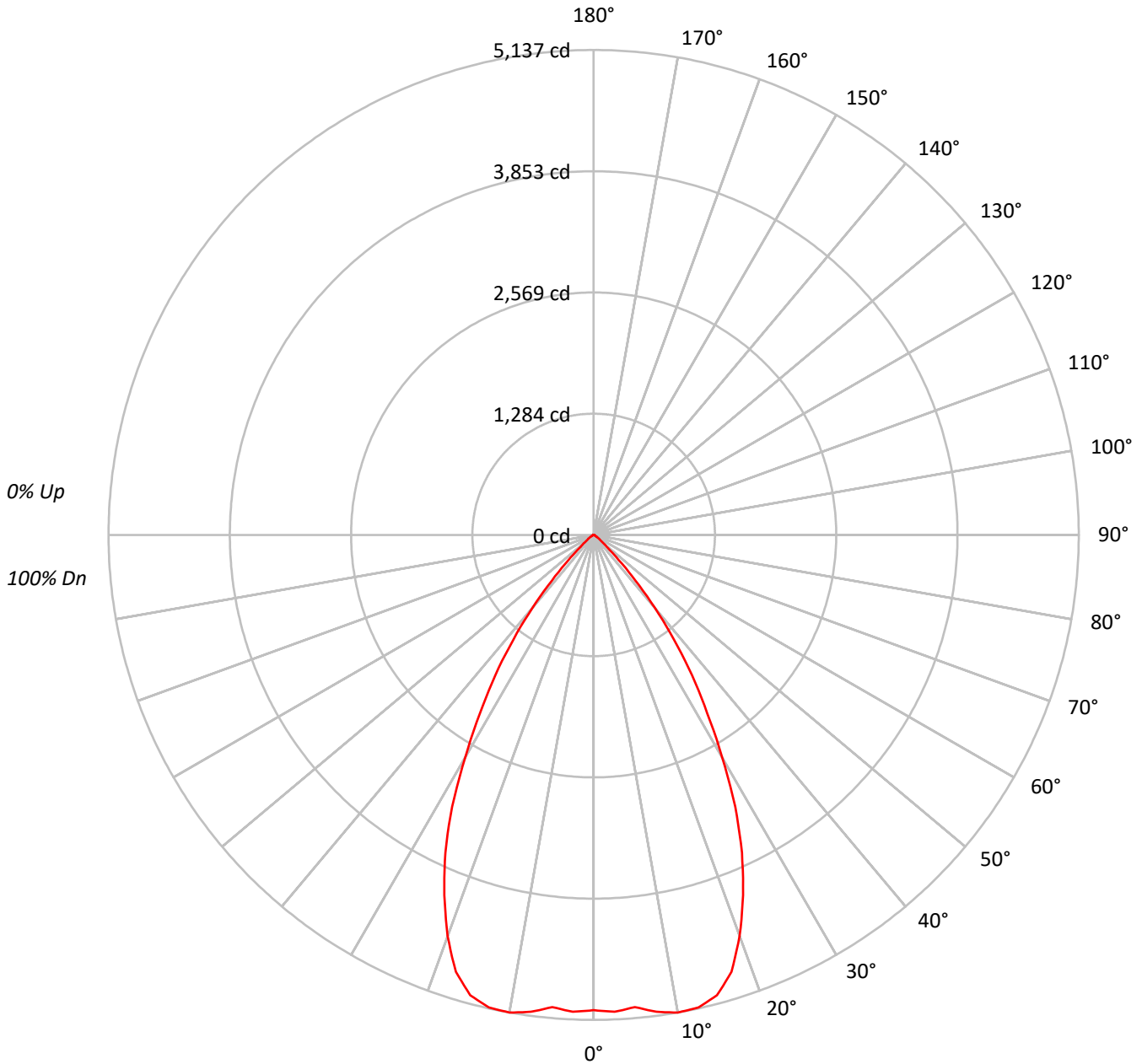
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	550128
5°	550584
10°	569964
15°	570914
20°	525623
25°	447853
30°	342849
35°	242223
40°	142972
45°	58037
50°	21043
55°	11715
60°	6730
65°	3697
70°	3897
75°	3039
80°	3146
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58037 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.8	9.5
10°-20°	1398.5	27.3
20°-30°	1677.9	32.8
30°-40°	1127.6	22.1
40°-50°	337.6	6.6
50°-60°	59.6	1.2
60°-70°	16.9	0.3
70°-80°	8.3	0.2
80°-90°	2.6	0.1
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°	3561.3	69.6
0°-40°	4688.9	91.7
0°-60°	5086.1	99.5
0°-90°	5113.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5113.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5035	
5°	5020	485
15°	5047	1399
25°	3715	1678
35°	1816	1128
45°	376	338
55°	62	60
65°	14	17
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5035.0
2.5°	5056.5
5°	5020.0
7.5°	5095.8
10°	5137.3
12.5°	5127.3
15°	5047.2
17.5°	4851.1
20°	4520.6
22.5°	4131.3
25°	3714.9
27.5°	3244.8
30°	2717.5
32.5°	2239.5
35°	1816.0
37.5°	1397.4
40°	1002.4
42.5°	654.7
45°	375.6
47.5°	198.9
50°	123.8
52.5°	85.9
55°	61.5
57.5°	44.4
60°	30.8
62.5°	20.0
65°	14.3
67.5°	12.9
70°	12.2
72.5°	9.3
75°	7.2
77.5°	6.4
80°	5.0
82.5°	3.6
85°	2.1
87.5°	1.4
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)