

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: P770833

Luminaire Tested: LD6D70BD010-EU6DR6570959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770833
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-EU6DR6570959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7208.6 lumens
Efficiency: N/A
Efficacy: 108.2 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

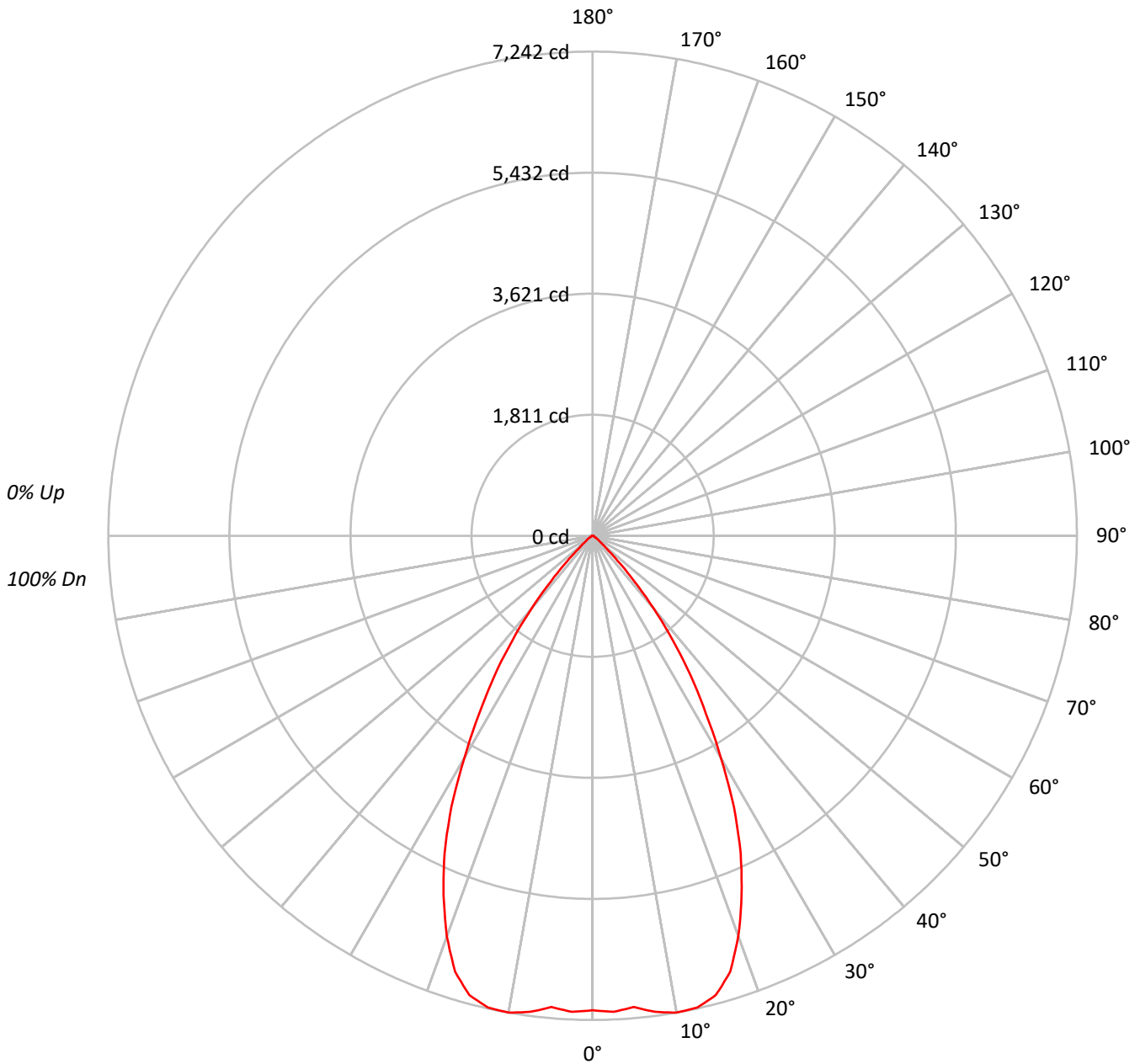
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	775467
5°	776104
10°	803429
15°	804757
20°	740914
25°	631303
30°	483282
35°	341433
40°	201536
45°	81817
50°	29661
55°	16516
60°	9484
65°	5222
70°	5463
75°	4264
80°	4467
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 81817 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.4	9.5
10°-20°	1971.4	27.3
20°-30°	2365.2	32.8
30°-40°	1589.5	22.1
40°-50°	475.8	6.6
50°-60°	84.0	1.2
60°-70°	23.9	0.3
70°-80°	11.7	0.2
80°-90°	3.7	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°	5020.0	69.6
0°-40°	6609.5	91.7
0°-60°	7169.3	99.5
0°-90°	7208.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7208.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7097	
5°	7076	683
15°	7114	1971
25°	5237	2365
35°	2560	1590
45°	530	476
55°	87	84
65°	20	24
75°	10	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7097.4
2.5°	7127.6
5°	7076.2
7.5°	7183.1
10°	7241.6
12.5°	7227.5
15°	7114.5
17.5°	6838.2
20°	6372.2
22.5°	5823.5
25°	5236.6
27.5°	4573.9
30°	3830.6
32.5°	3156.9
35°	2559.8
37.5°	1969.8
40°	1413.0
42.5°	922.9
45°	529.5
47.5°	280.4
50°	174.5
52.5°	121.0
55°	86.7
57.5°	62.5
60°	43.4
62.5°	28.2
65°	20.2
67.5°	18.2
70°	17.1
72.5°	13.1
75°	10.1
77.5°	9.1
80°	7.1
82.5°	5.0
85°	3.0
87.5°	2.0
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)