

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: P774081

Luminaire Tested: LD6D90BD010-EU6DR7070959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774081
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: LD6D90BD010-EU6DR7070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6829.6 lumens
Efficiency: N/A
Efficacy: 69.1 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

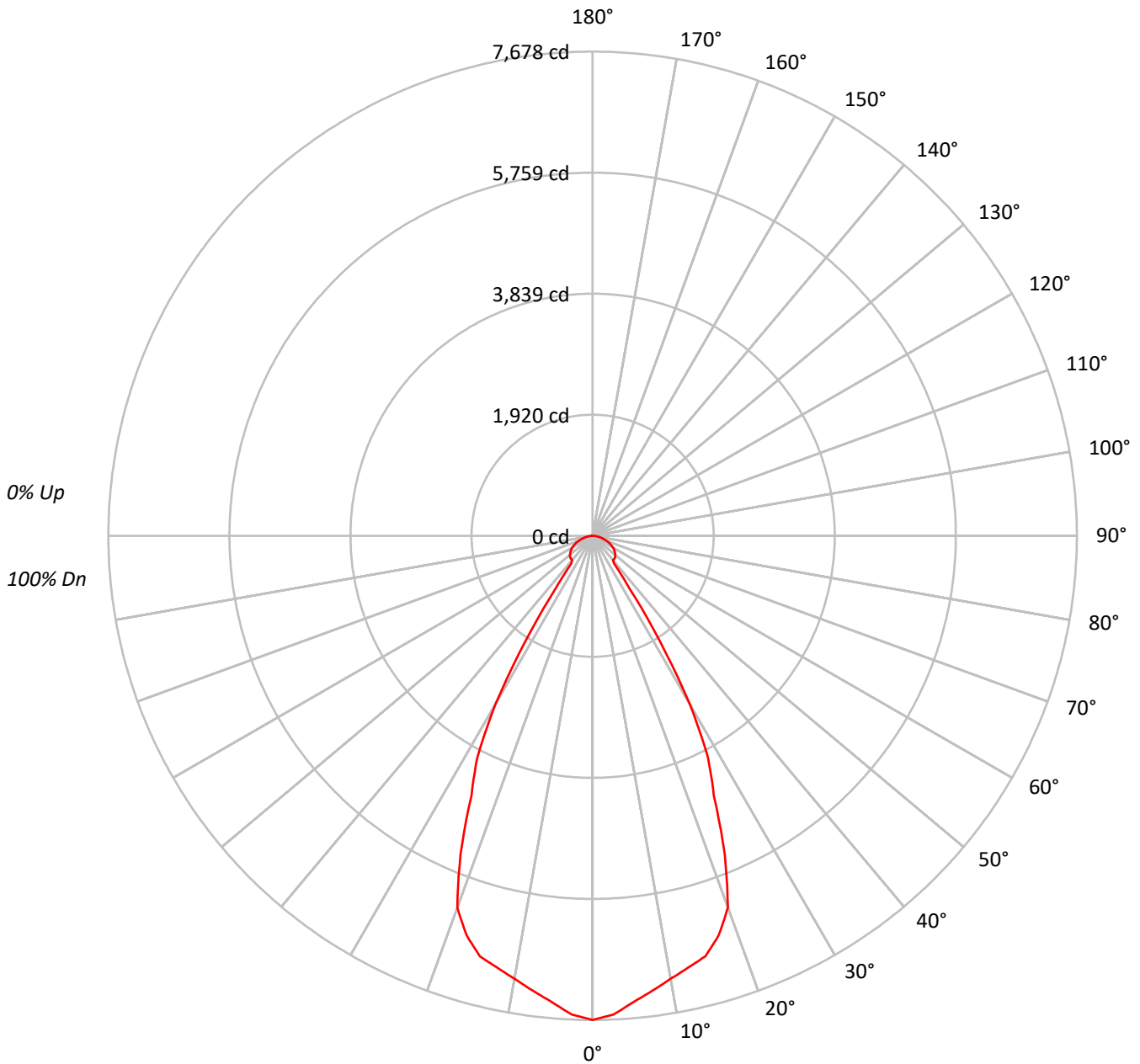
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	838948
5°	814020
10°	791335
15°	780946
20°	729252
25°	547842
30°	387284
35°	137184
40°	72128
45°	76826
50°	79550
55°	81054
60°	81552
65°	79835
70°	75328
75°	69782
80°	61977
85°	50270

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 81585 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.0	10.3
10°-20°	1920.2	28.1
20°-30°	2114.8	31.0
30°-40°	808.0	11.8
40°-50°	381.5	5.6
50°-60°	379.3	5.6
60°-70°	303.7	4.4
70°-80°	174.5	2.6
80°-90°	47.4	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°	4735.1	69.3
0°-40°	5543.1	81.2
0°-60°	6303.9	92.3
0°-90°	6829.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6829.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7678	
5°	7422	700
15°	6904	1920
25°	4544	2115
35°	1028	808
45°	497	382
55°	426	379
65°	309	304
75°	165	175
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7678.4
2.5°	7598.2
5°	7421.9
7.5°	7274.8
10°	7132.6
12.5°	7012.2
15°	6904.0
17.5°	6642.6
20°	6271.9
22.5°	5471.9
25°	4544.3
27.5°	3955.9
30°	3069.7
32.5°	1982.8
35°	1028.5
37.5°	555.6
40°	505.7
42.5°	502.1
45°	497.2
47.5°	486.3
50°	468.0
52.5°	447.4
55°	425.5
57.5°	401.2
60°	373.2
62.5°	341.6
65°	308.8
67.5°	272.3
70°	235.8
72.5°	199.4
75°	165.3
77.5°	130.1
80°	98.5
82.5°	69.3
85°	40.1
87.5°	15.8
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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