

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: P774030

Luminaire Tested: LD6D90BD010-EU6DR7070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774030
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-EU6DR7070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10695.2 lumens
Efficiency: N/A
Efficacy: 108.1 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

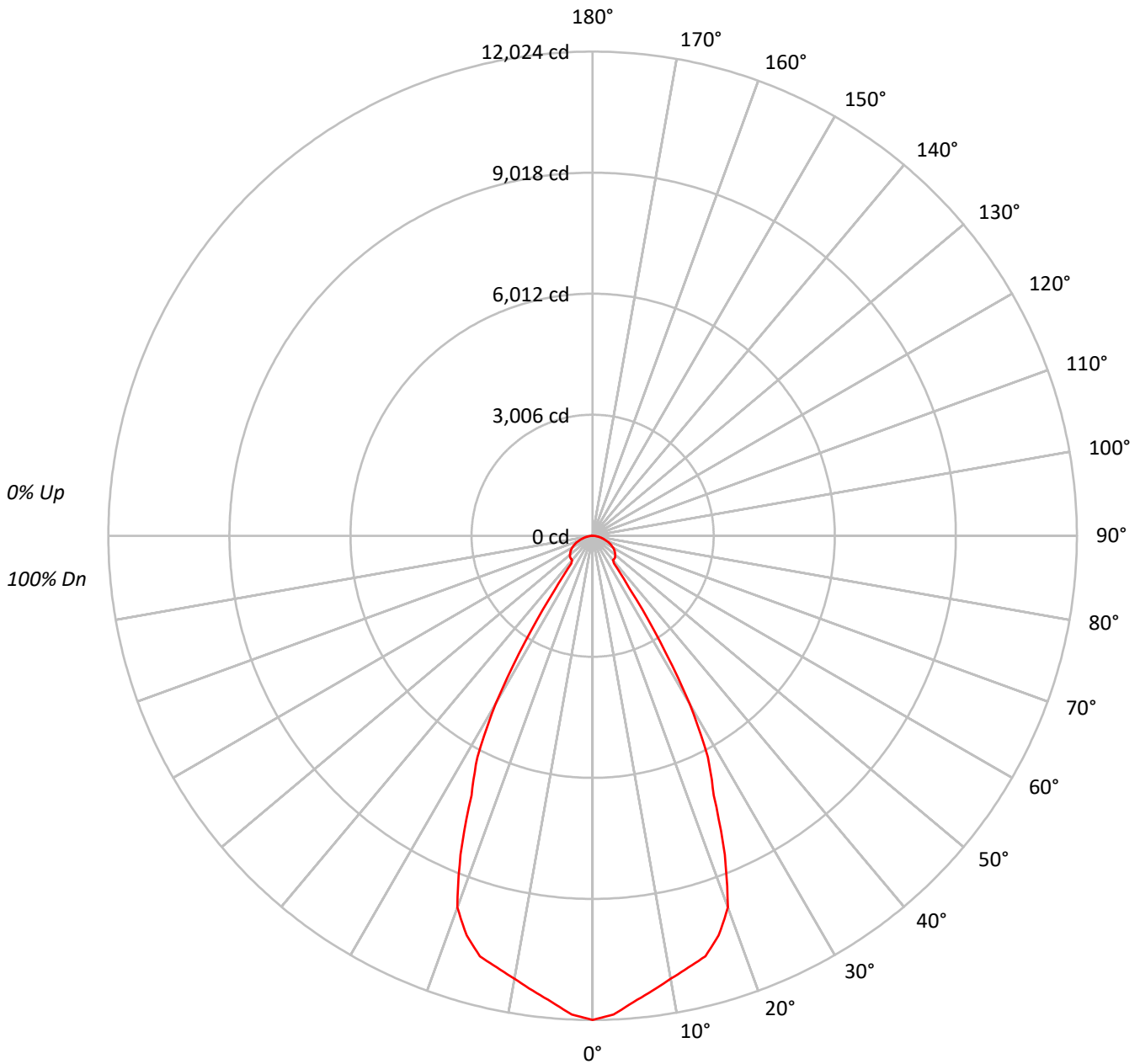
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1313806
5°	1274767
10°	1239237
15°	1222977
20°	1142009
25°	857936
30°	606480
35°	214826
40°	112963
45°	120323
50°	124595
55°	126924
60°	127726
65°	125027
70°	117975
75°	109295
80°	97024
85°	78728

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 127766 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1096.3	10.3
10°-20°	3007.0	28.1
20°-30°	3311.9	31.0
30°-40°	1265.4	11.8
40°-50°	597.5	5.6
50°-60°	594.0	5.6
60°-70°	475.6	4.4
70°-80°	273.3	2.6
80°-90°	74.3	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°	7415.2	69.3
0°-40°	8680.5	81.2
0°-60°	9872.0	92.3
0°-90°	10695.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10695.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12024	
5°	11623	###
15°	10812	3007
25°	7116	3312
35°	1611	1265
45°	779	597
55°	666	594
65°	484	476
75°	259	273
85°	63	74
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12024.5
2.5°	11898.8
5°	11622.8
7.5°	11392.4
10°	11169.7
12.5°	10981.2
15°	10811.8
17.5°	10402.4
20°	9821.8
22.5°	8569.1
25°	7116.5
27.5°	6195.0
30°	4807.1
32.5°	3105.1
35°	1610.6
37.5°	870.0
40°	792.0
42.5°	786.3
45°	778.7
47.5°	761.5
50°	733.0
52.5°	700.6
55°	666.3
57.5°	628.3
60°	584.5
62.5°	535.0
65°	483.6
67.5°	426.5
70°	369.3
72.5°	312.2
75°	258.9
77.5°	203.7
80°	154.2
82.5°	108.5
85°	62.8
87.5°	24.7
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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(END OF REPORT)