

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P774045

Luminaire Tested: LD6D90BD010-EU6DR7070959030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774045
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-EU6DR7070959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8606.4 lumens
Efficiency: N/A
Efficacy: 87.0 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

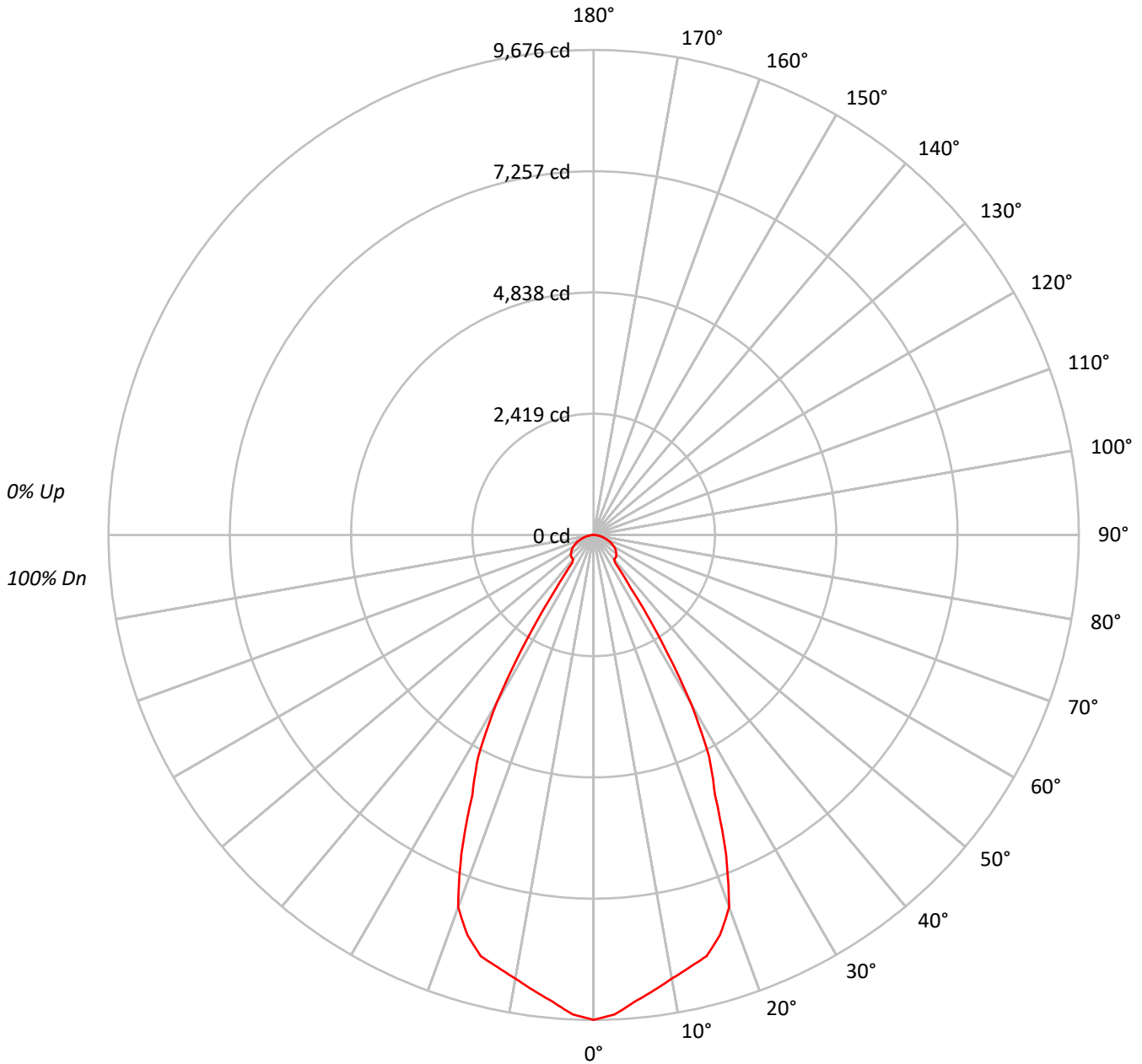
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1057218
5°	1025797
10°	997207
15°	984124
20°	918974
25°	690375
30°	488038
35°	172877
40°	90898
45°	96821
50°	100254
55°	102141
60°	102771
65°	100595
70°	94943
75°	87976
80°	78085
85°	63434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 102815 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	882.2	10.3
10°-20°	2419.8	28.1
20°-30°	2665.0	31.0
30°-40°	1018.2	11.8
40°-50°	480.8	5.6
50°-60°	478.0	5.6
60°-70°	382.7	4.4
70°-80°	219.9	2.6
80°-90°	59.8	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°	5967.0	69.3
0°-40°	6985.2	81.2
0°-60°	7944.0	92.3
0°-90°	8606.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8606.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9676	
5°	9353	882
15°	8700	2420
25°	5727	2665
35°	1296	1018
45°	627	481
55°	536	478
65°	389	383
75°	208	220
85°	51	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9676.1
2.5°	9575.0
5°	9352.8
7.5°	9167.5
10°	8988.2
12.5°	8836.6
15°	8700.2
17.5°	8370.8
20°	7903.6
22.5°	6895.5
25°	5726.6
27.5°	4985.1
30°	3868.3
32.5°	2498.7
35°	1296.1
37.5°	700.1
40°	637.3
42.5°	632.7
45°	626.6
47.5°	612.8
50°	589.8
52.5°	563.8
55°	536.2
57.5°	505.6
60°	470.3
62.5°	430.5
65°	389.1
67.5°	343.2
70°	297.2
72.5°	251.2
75°	208.4
77.5°	163.9
80°	124.1
82.5°	87.3
85°	50.6
87.5°	19.9
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)