

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: P772450

Luminaire Tested: LD6D80BD010-EU6DR6570959050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6570959050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9024.7 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

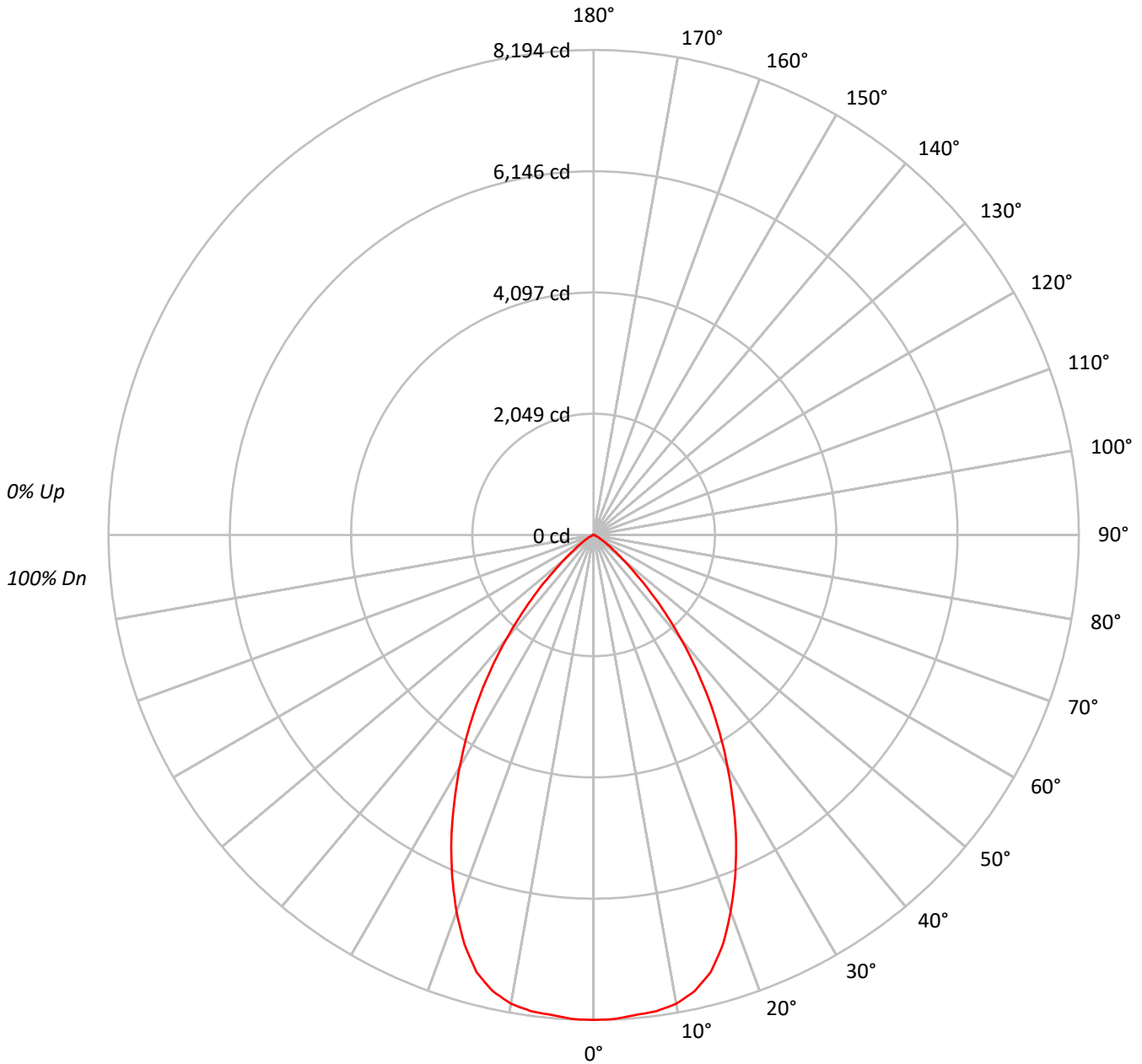
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	478573
5°	477364
10°	476953
15°	462254
20°	420826
25°	366724
30°	305006
35°	241672
40°	174431
45°	110199
50°	57442
55°	30527
60°	16038
65°	8817
70°	3706
75°	4084
80°	2825
85°	2412

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 110199 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.9	8.6
10°-20°	2122.0	23.5
20°-30°	2593.8	28.7
30°-40°	2104.5	23.3
40°-50°	1048.7	11.6
50°-60°	292.5	3.2
60°-70°	66.5	0.7
70°-80°	17.3	0.2
80°-90°	4.4	0.0
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°	5490.7	60.8
0°-40°	7595.2	84.2
0°-60°	8936.5	99.0
0°-90°	9024.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9024.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8194	
5°	8142	775
15°	7645	2122
25°	5691	2594
35°	3390	2105
45°	1334	1049
55°	300	293
65°	64	66
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8194.2
2.5°	8188.1
5°	8142.4
7.5°	8115.9
10°	8042.4
12.5°	7893.1
15°	7645.1
17.5°	7257.3
20°	6770.9
22.5°	6245.9
25°	5690.8
27.5°	5097.1
30°	4522.7
32.5°	3955.6
35°	3389.6
37.5°	2824.9
40°	2287.9
42.5°	1784.5
45°	1334.2
47.5°	929.6
50°	632.2
52.5°	435.9
55°	299.8
57.5°	202.3
60°	137.3
62.5°	95.1
65°	63.8
67.5°	32.5
70°	21.7
72.5°	20.5
75°	18.1
77.5°	12.0
80°	8.4
82.5°	6.0
85°	3.6
87.5°	2.4
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)