

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: P774071

Luminaire Tested: LD6D90BD010-EU6DR7070959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774071
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-EU6DR7070959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9103.7 lumens
Efficiency: N/A
Efficacy: 92.0 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

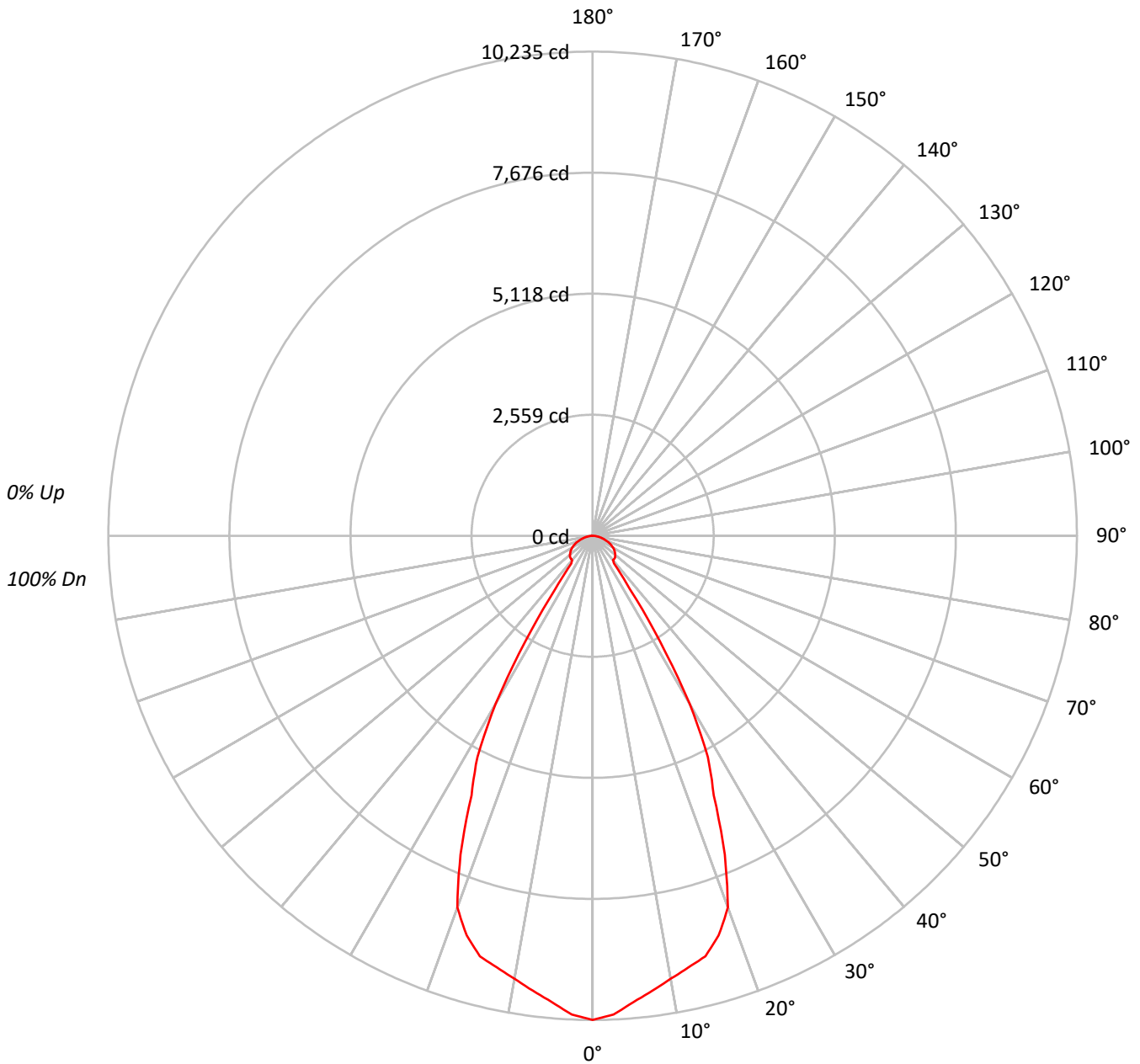


Downlight

TEST NUMBER: P774071

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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	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	100	100	100	100	100	100	100	100	100	100																
	1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	91	91	91	91	91	91	91	91	91	91																
	2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83	83	83	83	83	83	83	83	83	83																
	3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	76	76	76	76	76	76	76	76	76	76																
	4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70	70	70	70	70	70	70	70	70																
	5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65																
	6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61	61	61	61	61	61	61	61	61																
	7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57	57	57	57	57	57	57	57																
	8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53	53	53	53	53	53	53	53																
	9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	50	50	50	50	50	50	50	50	50	50																
	10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48	48	48	48	48	48	48	48	48																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1118295
5°	1085068
10°	1054822
15°	1040987
20°	972064
25°	730267
30°	516236
35°	182868
40°	96147
45°	102415
50°	106050
55°	108046
60°	108714
65°	106412
70°	100437
75°	93042
80°	82615
85°	67069

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 108752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	933.1	10.3
10°-20°	2559.6	28.1
20°-30°	2819.0	31.0
30°-40°	1077.1	11.8
40°-50°	508.6	5.6
50°-60°	505.6	5.6
60°-70°	404.8	4.4
70°-80°	232.7	2.6
80°-90°	63.3	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°	6311.7	69.3
0°-40°	7388.8	81.2
0°-60°	8403.0	92.3
0°-90°	9103.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9103.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10235	
5°	9893	933
15°	9203	2560
25°	6058	2819
35°	1371	1077
45°	663	509
55°	567	506
65°	412	405
75°	220	233
85°	54	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10235.1
2.5°	10128.2
5°	9893.2
7.5°	9697.1
10°	9507.5
12.5°	9347.1
15°	9202.9
17.5°	8854.5
20°	8360.2
22.5°	7293.9
25°	6057.5
27.5°	5273.1
30°	4091.8
32.5°	2643.1
35°	1371.0
37.5°	740.6
40°	674.1
42.5°	669.3
45°	662.8
47.5°	648.2
50°	623.9
52.5°	596.3
55°	567.2
57.5°	534.8
60°	497.5
62.5°	455.4
65°	411.6
67.5°	363.0
70°	314.4
72.5°	265.8
75°	220.4
77.5°	173.4
80°	131.3
82.5°	92.4
85°	53.5
87.5°	21.1
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)