

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: P773590

Luminaire Tested: LD6D90BD010-EU6DR4070959035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR4070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10925.2 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

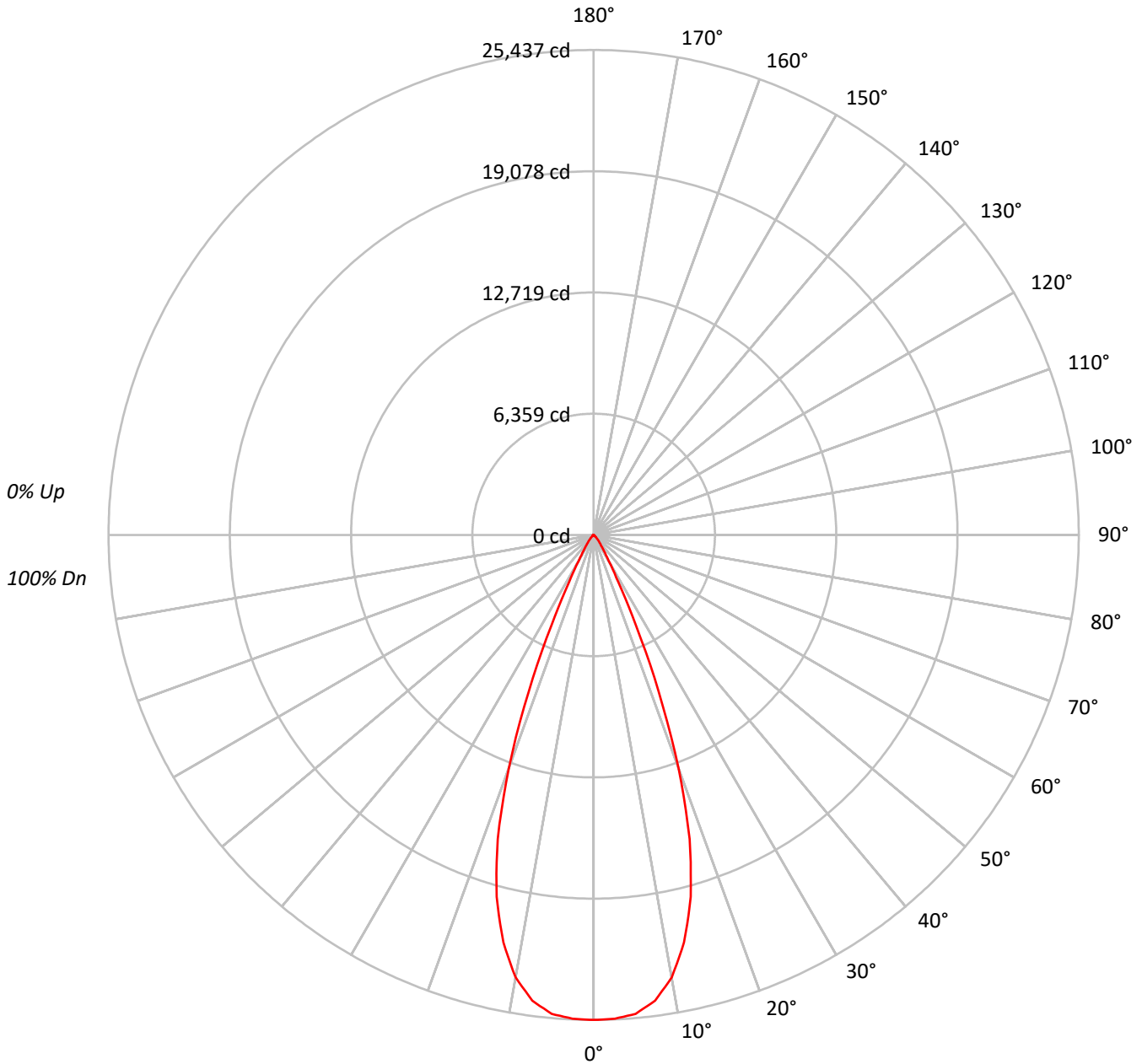
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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				100															
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96				96															
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88				88															
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84				84															
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81				81															
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77				77															
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74				74															
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72				72															
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69				69															
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67				67															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2779222
5°	2765720
10°	2614205
15°	2222405
20°	1514733
25°	632002
30°	198720
35°	92368
40°	51076
45°	23425
50°	11372
55°	6229
60°	3256
65°	1163
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23425 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2354.6	21.6
10°-20°	5274.9	48.3
20°-30°	2640.5	24.2
30°-40°	484.0	4.4
40°-50°	133.6	1.2
50°-60°	31.4	0.3
60°-70°	6.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	10270.0	94.0
0°-40°	10754.0	98.4
0°-60°	10919.0	99.9
0°-90°	10925.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10925.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25437	
5°	25217	###
15°	19647	5275
25°	5242	2640
35°	692	484
45°	152	134
55°	33	31
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25436.6
2.5°	25399.4
5°	25216.7
7.5°	24634.2
10°	23562.8
12.5°	21892.6
15°	19647.3
17.5°	16727.4
20°	13027.4
22.5°	8881.6
25°	5242.4
27.5°	2771.3
30°	1575.1
32.5°	1017.9
35°	692.5
37.5°	494.8
40°	358.1
42.5°	245.2
45°	151.6
47.5°	96.6
50°	66.9
52.5°	47.6
55°	32.7
57.5°	20.8
60°	14.9
62.5°	8.9
65°	4.5
67.5°	3.0
70°	1.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)