

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: P773685

Luminaire Tested: LD6D90BD010-EU6DR4570959040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR4570959040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11819.9 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

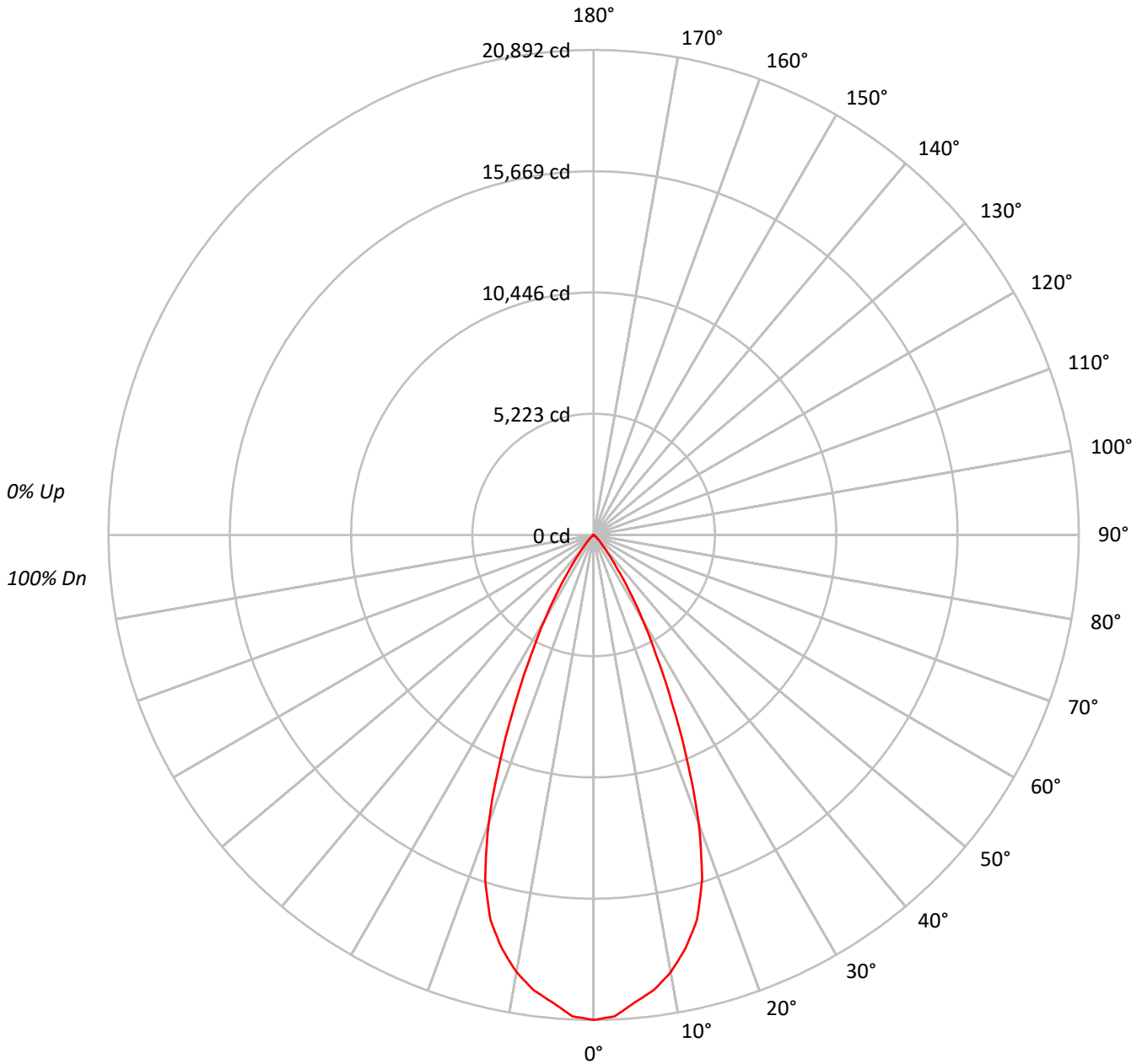
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				95															
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				90															
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				85															
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				81															
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				77															
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				73															
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				69															
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				66															
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				63															
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				60															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2282687
5°	2217702
10°	2121737
15°	1941835
20°	1540546
25°	961783
30°	530114
35°	238035
40°	93751
45°	44177
50°	20941
55°	10953
60°	5376
65°	1267
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 44177 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1899.9	16.1
10°-20°	4675.8	39.6
20°-30°	3702.8	31.3
30°-40°	1233.1	10.4
40°-50°	244.7	2.1
50°-60°	55.6	0.5
60°-70°	8.0	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°	10278.4	87.0
0°-40°	11511.5	97.4
0°-60°	11811.8	99.9
0°-90°	11819.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11819.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20892	
5°	20220	###
15°	17167	4676
25°	7978	3703
35°	1785	1233
45°	286	245
55°	58	56
65°	5	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20892.1
2.5°	20755.8
5°	20220.1
7.5°	19778.0
10°	19124.0
12.5°	18253.1
15°	17166.9
17.5°	15533.5
20°	13249.4
22.5°	10528.2
25°	7977.9
27.5°	5841.7
30°	4201.8
32.5°	2857.6
35°	1784.6
37.5°	1058.2
40°	657.3
42.5°	432.2
45°	285.9
47.5°	184.0
50°	123.2
52.5°	82.2
55°	57.5
57.5°	37.8
60°	24.6
62.5°	13.1
65°	4.9
67.5°	1.6
70°	1.6
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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