

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: P773902

Luminaire Tested: LD6D90BD010-EU6DR6070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10017.8 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

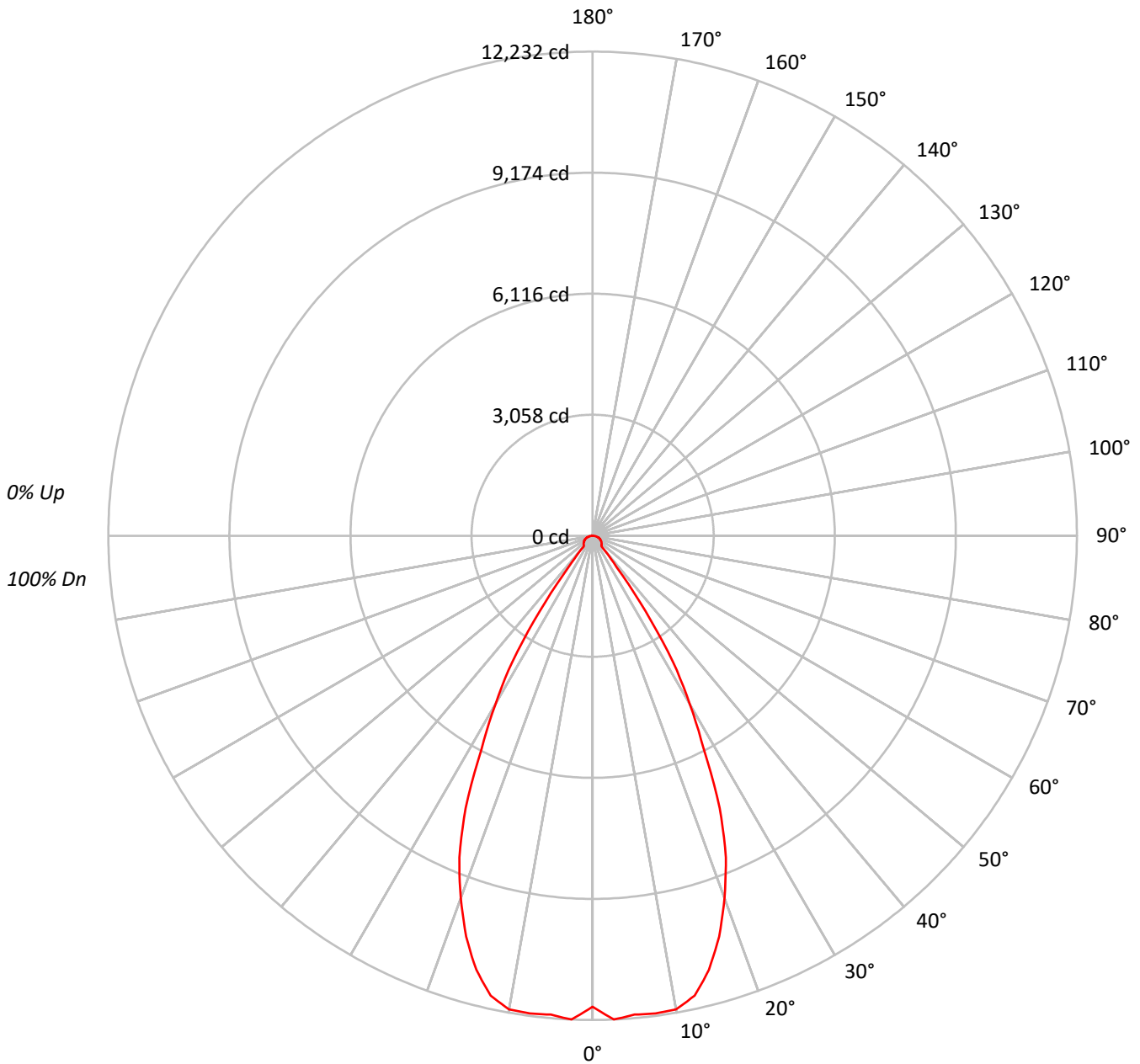
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1299919
5°	1331887
10°	1347975
15°	1284127
20°	1132207
25°	915755
30°	619437
35°	310395
40°	50348
45°	49291
50°	50263
55°	51032
60°	52445
65°	53646
70°	54915
75°	55555
80°	53608
85°	44629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 55555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1160.6	11.6
10°-20°	3140.1	31.3
20°-30°	3378.5	33.7
30°-40°	1468.6	14.7
40°-50°	246.7	2.5
50°-60°	239.8	2.4
60°-70°	205.1	2.0
70°-80°	137.3	1.4
80°-90°	41.1	0.4
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°	7679.3	76.7
0°-40°	9147.9	91.3
0°-60°	9634.4	96.2
0°-90°	10017.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10017.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11897	
5°	12144	###
15°	11352	3140
25°	7596	3379
35°	2327	1469
45°	319	247
55°	268	240
65°	208	205
75°	132	137
85°	36	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11897.4
2.5°	12231.8
5°	12143.6
7.5°	12171.5
10°	12149.8
12.5°	11899.0
15°	11352.4
17.5°	10618.5
20°	9737.5
22.5°	8794.5
25°	7596.1
27.5°	6075.7
30°	4909.8
32.5°	3784.1
35°	2327.1
37.5°	995.6
40°	353.0
42.5°	325.2
45°	319.0
47.5°	308.1
50°	295.7
52.5°	281.8
55°	267.9
57.5°	253.9
60°	240.0
62.5°	224.5
65°	207.5
67.5°	190.4
70°	171.9
72.5°	151.7
75°	131.6
77.5°	108.4
80°	85.2
82.5°	60.4
85°	35.6
87.5°	12.4
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)