

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: P772066

Luminaire Tested: LD6D80BD010-EU6DR4570959024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772066
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: LD6D80BD010-EU6DR4570959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7477.4 lumens
Efficiency: N/A
Efficacy: 94.8 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

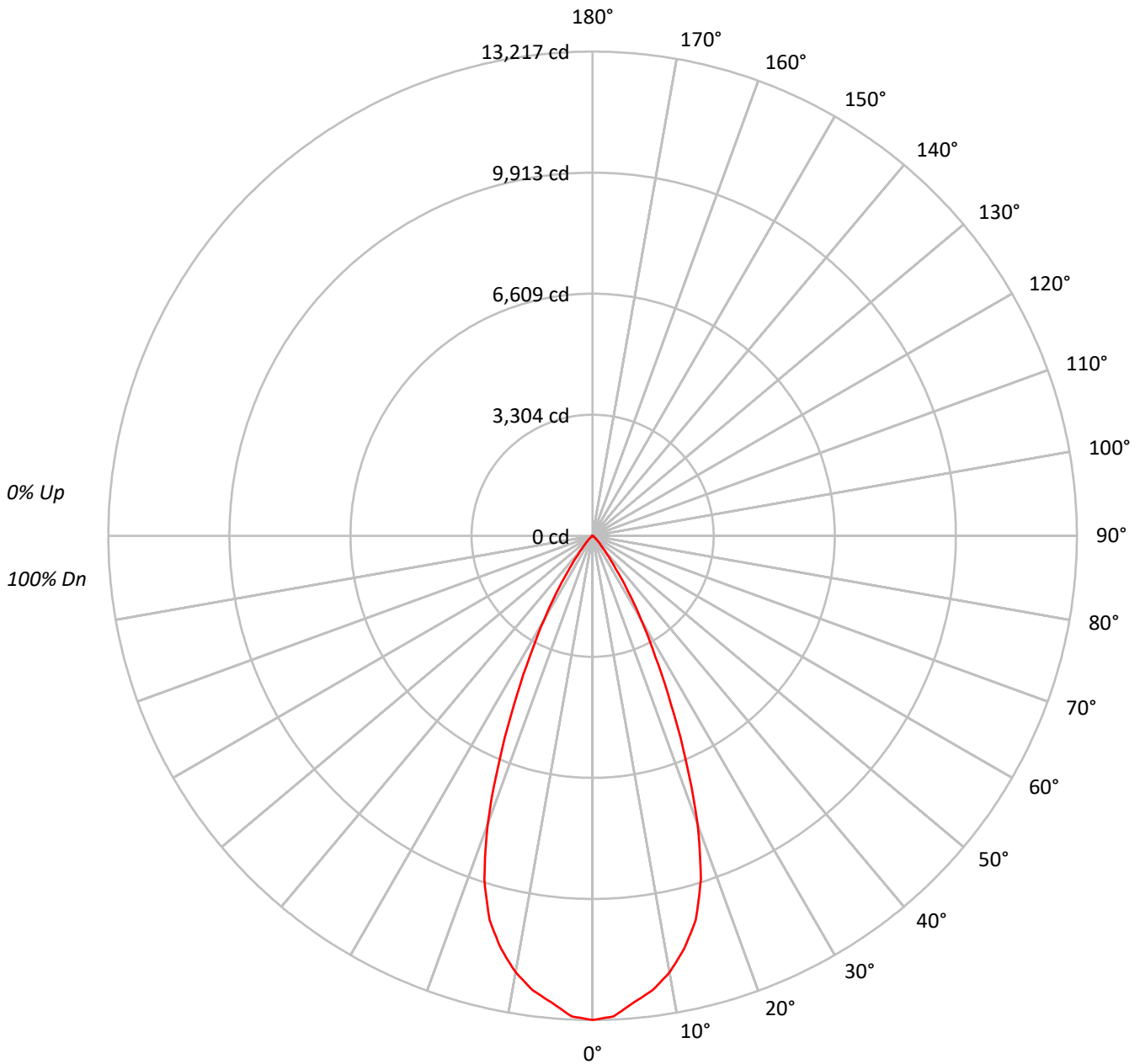
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1444056
5°	1402937
10°	1342228
15°	1228430
20°	974564
25°	608434
30°	335355
35°	150576
40°	59305
45°	27952
50°	13258
55°	6934
60°	3409
65°	801
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1201.9	16.1
10°-20°	2958.0	39.6
20°-30°	2342.4	31.3
30°-40°	780.0	10.4
40°-50°	154.8	2.1
50°-60°	35.2	0.5
60°-70°	5.0	0.1
70°-80°	0.1	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°	6502.2	87.0
0°-40°	7282.3	97.4
0°-60°	7472.3	99.9
0°-90°	7477.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7477.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13217	
5°	12791	###
15°	10860	2958
25°	5047	2342
35°	1129	780
45°	181	155
55°	36	35
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13216.6
2.5°	13130.3
5°	12791.4
7.5°	12511.8
10°	12098.0
12.5°	11547.1
15°	10860.0
17.5°	9826.7
20°	8381.7
22.5°	6660.3
25°	5046.9
27.5°	3695.5
30°	2658.1
32.5°	1807.7
35°	1128.9
37.5°	669.5
40°	415.8
42.5°	273.4
45°	180.9
47.5°	116.4
50°	78.0
52.5°	52.0
55°	36.4
57.5°	23.9
60°	15.6
62.5°	8.3
65°	3.1
67.5°	1.0
70°	1.0
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)