

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: P771968

Luminaire Tested: LD6D80BD010-EU6DR3570959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR3570959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10793.2 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): 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

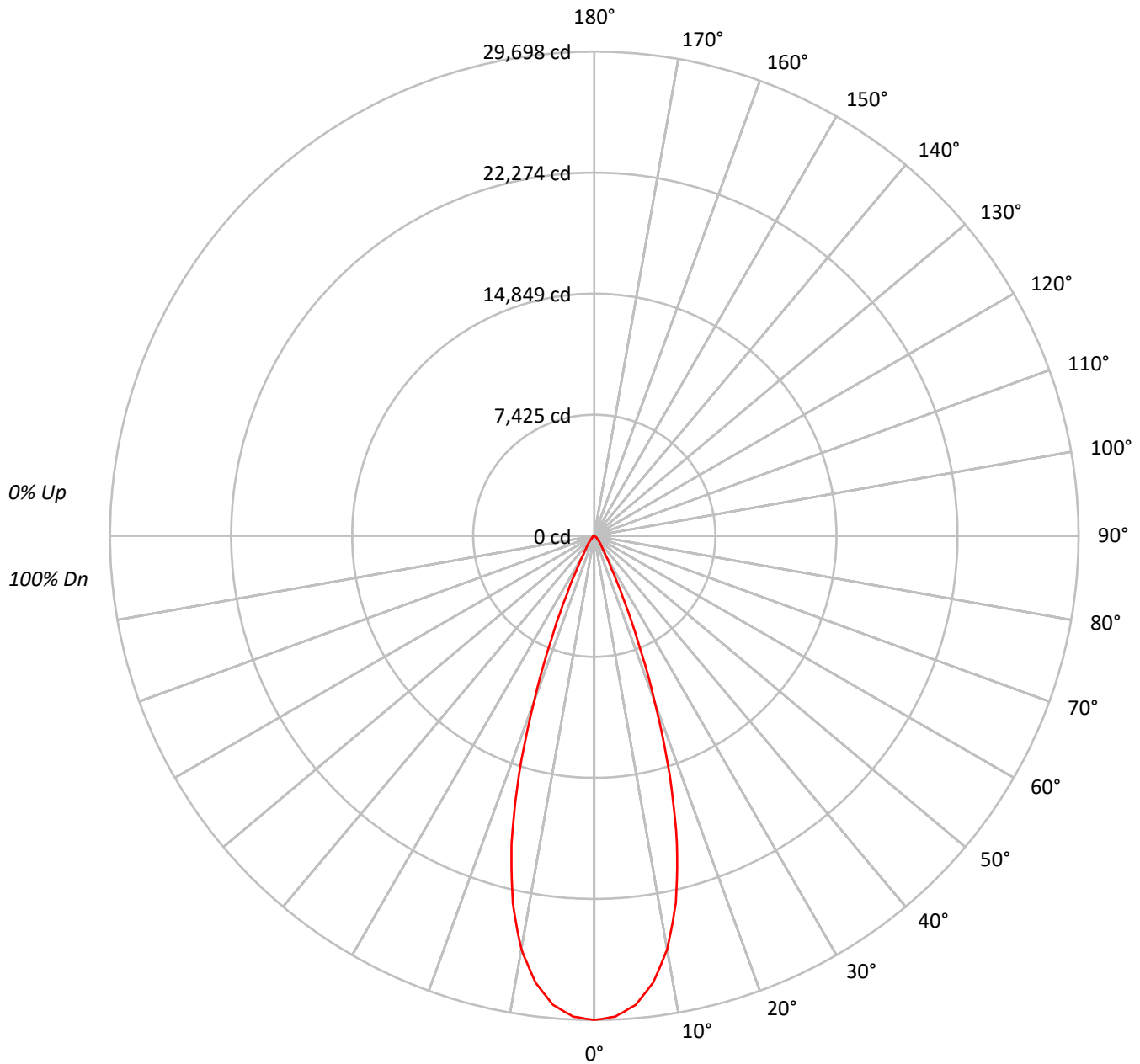


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	106	103	101		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	93		97	95	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	80		84	81	79
7	93	85	81	78		91	85	80	77		84	80	77		83	79	77		82	79	76
8	90	82	78	74		88	82	77	74		81	77	74		80	76	74		79	76	73
9	87	79	75	72		86	79	75	72		78	74	71		77	74	71		77	73	71
10	84	77	72	69		83	76	72	69		76	72	69		75	71	69		74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3244782
5°	3168535
10°	2855691
15°	2216467
20°	1257154
25°	489095
30°	182470
35°	100010
40°	65367
45°	39788
50°	25327
55°	17887
60°	13089
65°	7110
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2657.0	24.6
10°-20°	5187.6	48.1
20°-30°	2115.7	19.6
30°-40°	506.3	4.7
40°-50°	211.0	2.0
50°-60°	87.3	0.8
60°-70°	27.3	0.3
70°-80°	0.6	0.0
80°-90°	0.4	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°	9960.2	92.3
0°-40°	10466.5	97.0
0°-60°	10764.8	99.7
0°-90°	10793.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10793.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29698	
5°	28889	###
15°	19595	5188
25°	4057	2116
35°	750	506
45°	258	211
55°	94	87
65°	28	27
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	29697.6
2.5°	29519.4
5°	28889.4
7.5°	27632.6
10°	25739.4
12.5°	23073.6
15°	19594.8
17.5°	15340.3
20°	10812.1
22.5°	6894.4
25°	4057.0
27.5°	2293.3
30°	1446.3
32.5°	1015.5
35°	749.8
37.5°	579.8
40°	458.3
42.5°	353.1
45°	257.5
47.5°	192.7
50°	149.0
52.5°	118.2
55°	93.9
57.5°	76.1
60°	59.9
62.5°	43.7
65°	27.5
67.5°	9.7
70°	1.6
72.5°	1.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)