

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: P772419

Luminaire Tested: LD6D80BD010-EU6DR6570959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6570959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8986.4 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

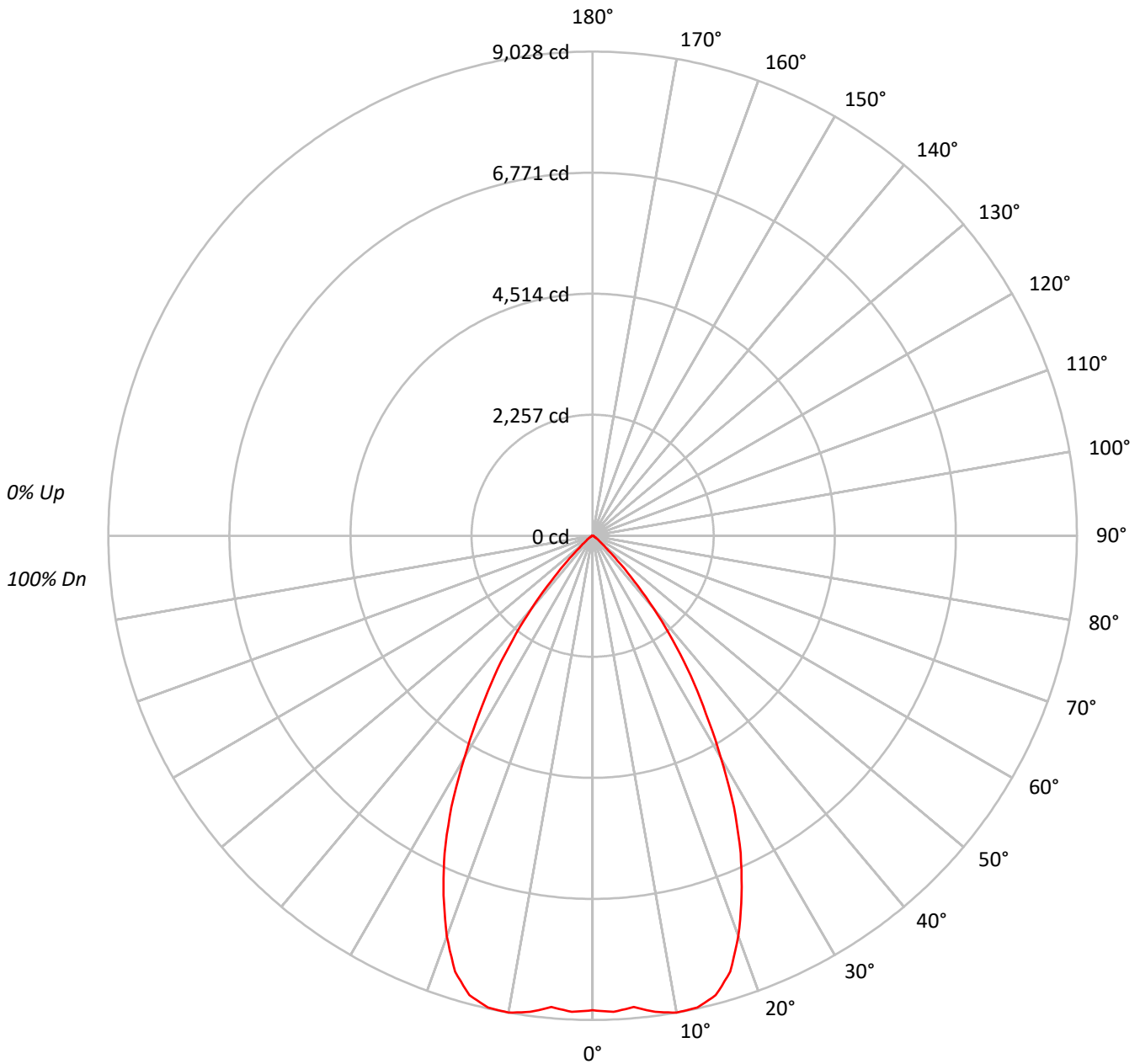


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	966706
5°	967504
10°	1001568
15°	1003229
20°	923637
25°	786989
30°	602468
35°	425638
40°	251242
45°	101997
50°	36971
55°	20592
60°	11822
65°	6489
70°	6836
75°	5319
80°	5537
85°	4764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 101997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.0	9.5
10°-20°	2457.5	27.3
20°-30°	2948.6	32.8
30°-40°	1981.5	22.1
40°-50°	593.2	6.6
50°-60°	104.7	1.2
60°-70°	29.7	0.3
70°-80°	14.6	0.2
80°-90°	4.6	0.1
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°	6258.0	69.6
0°-40°	8239.5	91.7
0°-60°	8937.4	99.5
0°-90°	8986.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8986.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8848	
5°	8821	852
15°	8869	2458
25°	6528	2949
35°	3191	1982
45°	660	593
55°	108	105
65°	25	30
75°	13	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8847.7
2.5°	8885.4
5°	8821.3
7.5°	8954.6
10°	9027.5
12.5°	9009.9
15°	8869.1
17.5°	8524.6
20°	7943.7
22.5°	7259.7
25°	6528.0
27.5°	5701.9
30°	4775.3
32.5°	3935.4
35°	3191.1
37.5°	2455.5
40°	1761.5
42.5°	1150.4
45°	660.1
47.5°	349.5
50°	217.5
52.5°	150.9
55°	108.1
57.5°	78.0
60°	54.1
62.5°	35.2
65°	25.1
67.5°	22.6
70°	21.4
72.5°	16.3
75°	12.6
77.5°	11.3
80°	8.8
82.5°	6.3
85°	3.8
87.5°	2.5
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)