

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: P772433

Luminaire Tested: LD6D80BD010-EU6DR6570959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772433
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-EU6DR6570959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7729.4 lumens
Efficiency: N/A
Efficacy: 98.0 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

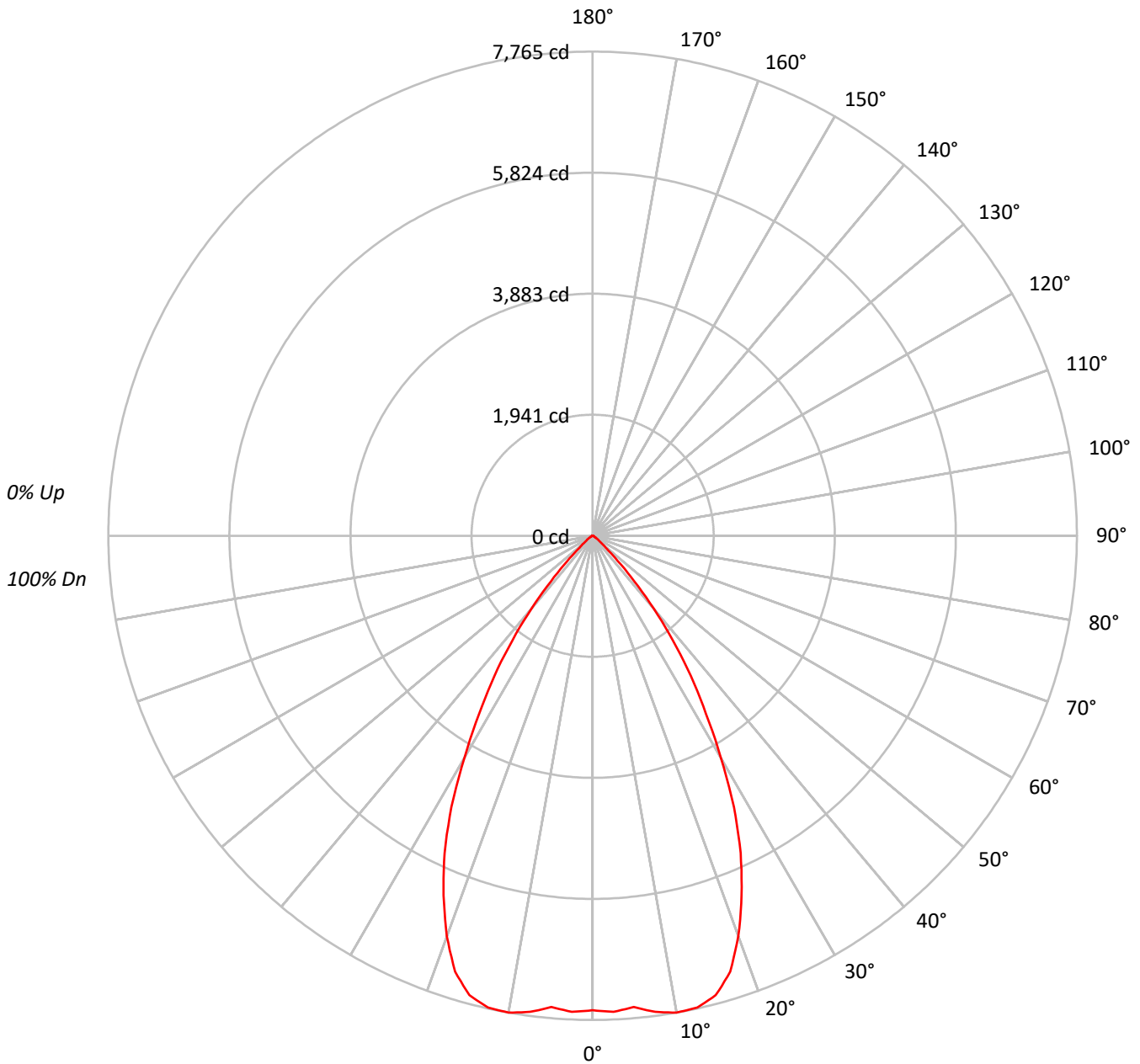


Downlight

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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	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°	831485
5°	832172
10°	861476
15°	862898
20°	794434
25°	676897
30°	518191
35°	366096
40°	216098
45°	87735
50°	31803
55°	17716
60°	10161
65°	5584
70°	5878
75°	4559
80°	4782
85°	4012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 87735 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.8	9.5
10°-20°	2113.8	27.3
20°-30°	2536.1	32.8
30°-40°	1704.3	22.1
40°-50°	510.2	6.6
50°-60°	90.0	1.2
60°-70°	25.6	0.3
70°-80°	12.5	0.2
80°-90°	4.0	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°	5382.6	69.6
0°-40°	7087.0	91.7
0°-60°	7687.2	99.5
0°-90°	7729.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7729.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7610	
5°	7587	733
15°	7628	2114
25°	5615	2536
35°	2745	1704
45°	568	510
55°	93	90
65°	22	26
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7610.1
2.5°	7642.5
5°	7587.4
7.5°	7702.0
10°	7764.8
12.5°	7749.6
15°	7628.5
17.5°	7332.2
20°	6832.5
22.5°	6244.2
25°	5614.8
27.5°	4904.3
30°	4107.3
32.5°	3384.9
35°	2744.7
37.5°	2112.1
40°	1515.1
42.5°	989.5
45°	567.8
47.5°	300.6
50°	187.1
52.5°	129.8
55°	93.0
57.5°	67.0
60°	46.5
62.5°	30.3
65°	21.6
67.5°	19.5
70°	18.4
72.5°	14.1
75°	10.8
77.5°	9.7
80°	7.6
82.5°	5.4
85°	3.2
87.5°	2.2
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)