

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



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: P772316

Luminaire Tested: LD6D80BD010-EU6DR6070959027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772316
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: LD6D80BD010-EU6DR6070959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8520.4 lumens
Efficiency: N/A
Efficacy: 108.0 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): 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

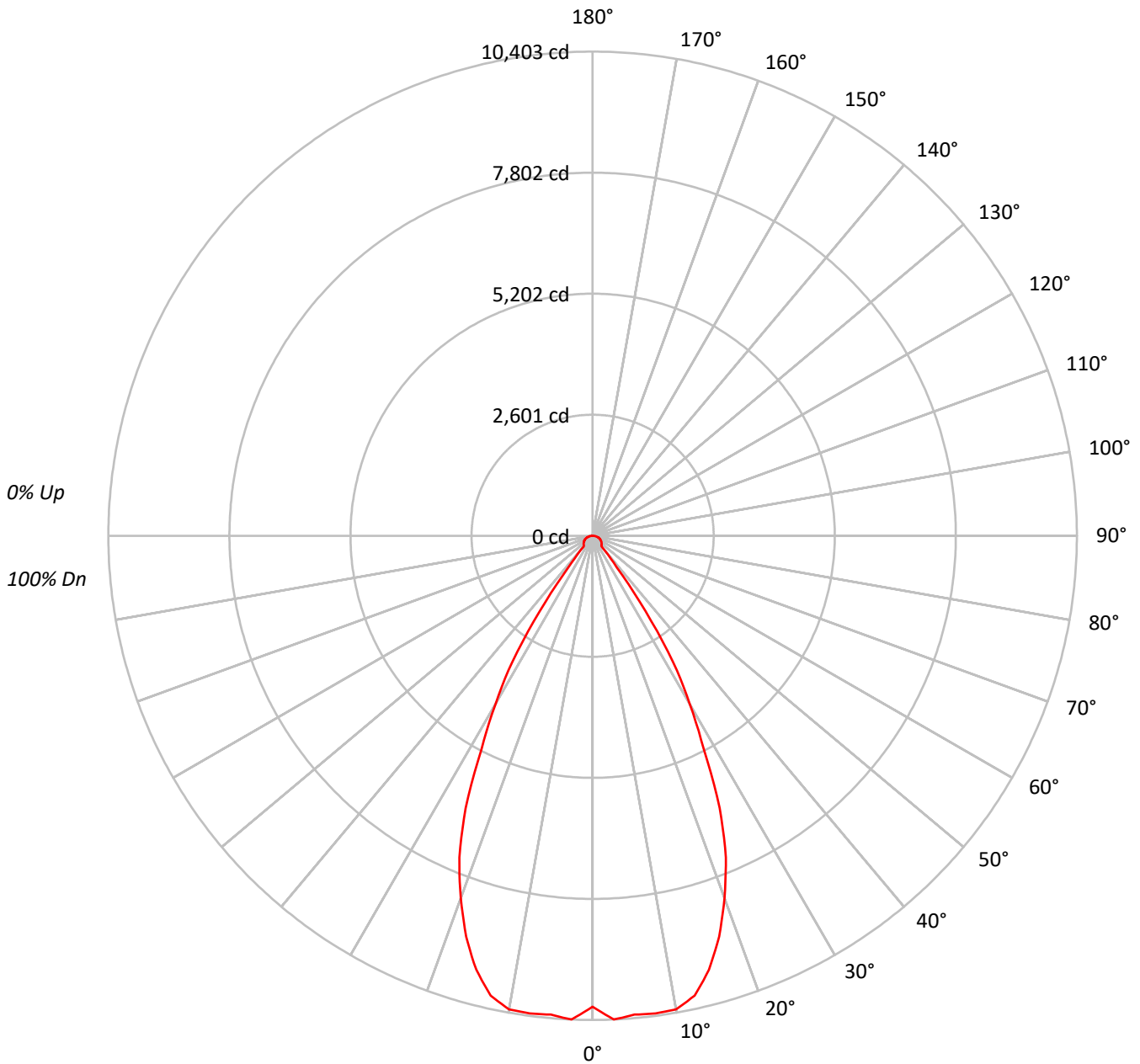


Downlight

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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	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°	1105610
5°	1132799
10°	1146486
15°	1092182
20°	962960
25°	778876
30°	526846
35°	264004
40°	42832
45°	41921
50°	42750
55°	43394
60°	44600
65°	45631
70°	46705
75°	47239
80°	45555
85°	37985

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 47239 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	987.1	11.6
10°-20°	2670.7	31.3
20°-30°	2873.5	33.7
30°-40°	1249.1	14.7
40°-50°	209.8	2.5
50°-60°	204.0	2.4
60°-70°	174.5	2.0
70°-80°	116.7	1.4
80°-90°	34.9	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°	6531.4	76.7
0°-40°	7780.5	91.3
0°-60°	8194.2	96.2
0°-90°	8520.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8520.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10119	
5°	10328	987
15°	9656	2671
25°	6461	2874
35°	1979	1249
45°	271	210
55°	228	204
65°	176	174
75°	112	117
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10119.0
2.5°	10403.4
5°	10328.4
7.5°	10352.1
10°	10333.7
12.5°	10120.3
15°	9655.5
17.5°	9031.2
20°	8281.9
22.5°	7479.9
25°	6460.7
27.5°	5167.5
30°	4175.9
32.5°	3218.5
35°	1979.3
37.5°	846.8
40°	300.3
42.5°	276.5
45°	271.3
47.5°	262.1
50°	251.5
52.5°	239.7
55°	227.8
57.5°	216.0
60°	204.1
62.5°	190.9
65°	176.5
67.5°	162.0
70°	146.2
72.5°	129.1
75°	111.9
77.5°	92.2
80°	72.4
82.5°	51.4
85°	30.3
87.5°	10.5
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)