

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: P772406

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772406
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-EU6DR6570959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8892.6 lumens
Efficiency: N/A
Efficacy: 112.7 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

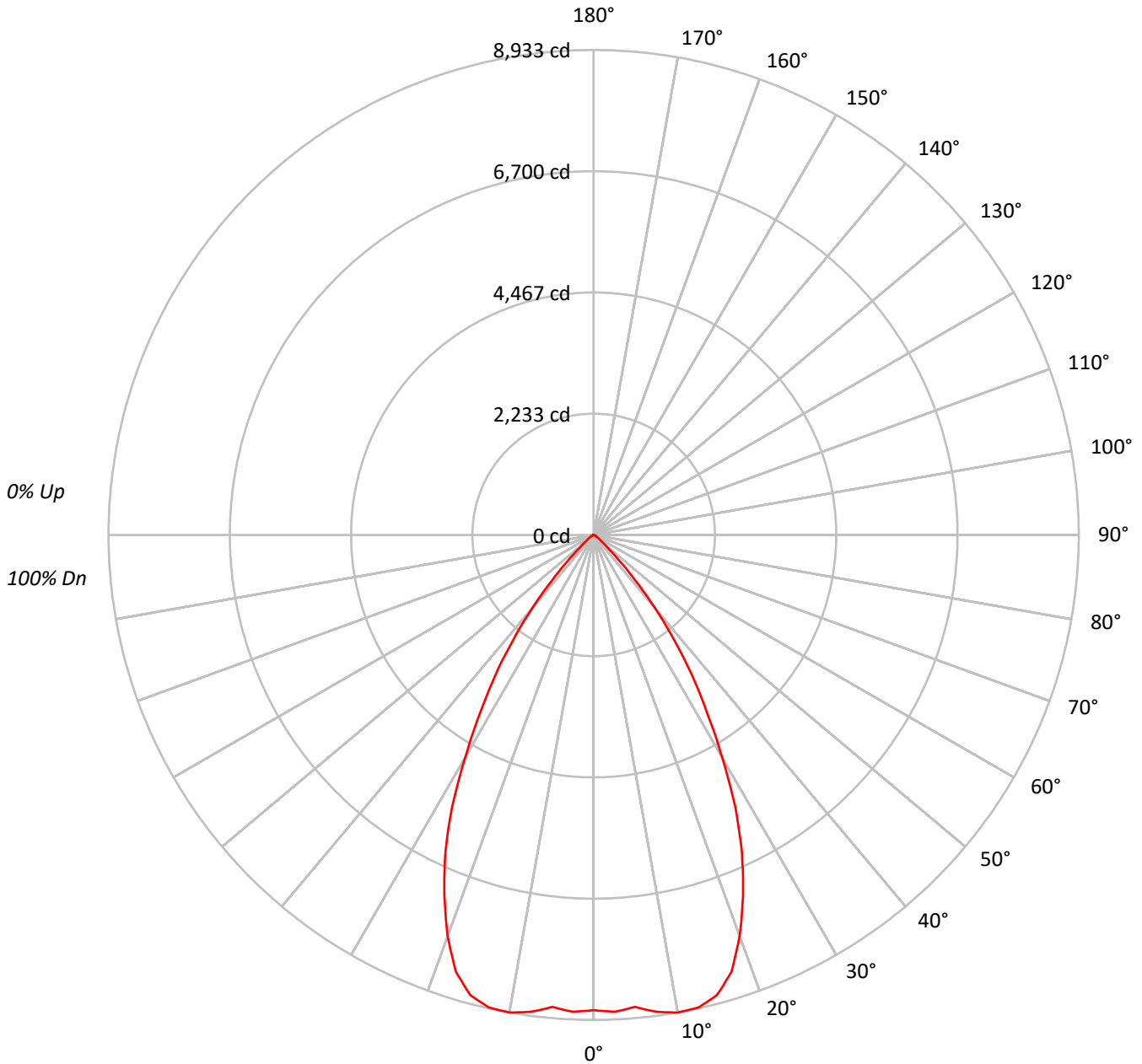
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	956633
5°	957413
10°	991127
15°	992766
20°	914009
25°	778779
30°	596185
35°	421196
40°	248618
45°	100931
50°	36580
55°	20382
60°	11691
65°	6437
70°	6772
75°	5235
80°	5474
85°	4638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 100931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	843.1	9.5
10°-20°	2431.9	27.3
20°-30°	2917.8	32.8
30°-40°	1960.9	22.1
40°-50°	587.0	6.6
50°-60°	103.6	1.2
60°-70°	29.5	0.3
70°-80°	14.4	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°	6192.8	69.6
0°-40°	8153.6	91.7
0°-60°	8844.2	99.5
0°-90°	8892.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8892.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8756	
5°	8729	843
15°	8777	2432
25°	6460	2918
35°	3158	1961
45°	653	587
55°	107	104
65°	25	29
75°	12	14
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8755.5
2.5°	8792.8
5°	8729.3
7.5°	8861.2
10°	8933.4
12.5°	8916.0
15°	8776.6
17.5°	8435.7
20°	7860.9
22.5°	7184.0
25°	6459.9
27.5°	5642.5
30°	4725.5
32.5°	3894.4
35°	3157.8
37.5°	2429.9
40°	1743.1
42.5°	1138.4
45°	653.2
47.5°	345.9
50°	215.2
52.5°	149.3
55°	107.0
57.5°	77.1
60°	53.5
62.5°	34.8
65°	24.9
67.5°	22.4
70°	21.2
72.5°	16.2
75°	12.4
77.5°	11.2
80°	8.7
82.5°	6.2
85°	3.7
87.5°	2.5
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)