

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: P772412

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772412
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-EU6DR6570959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

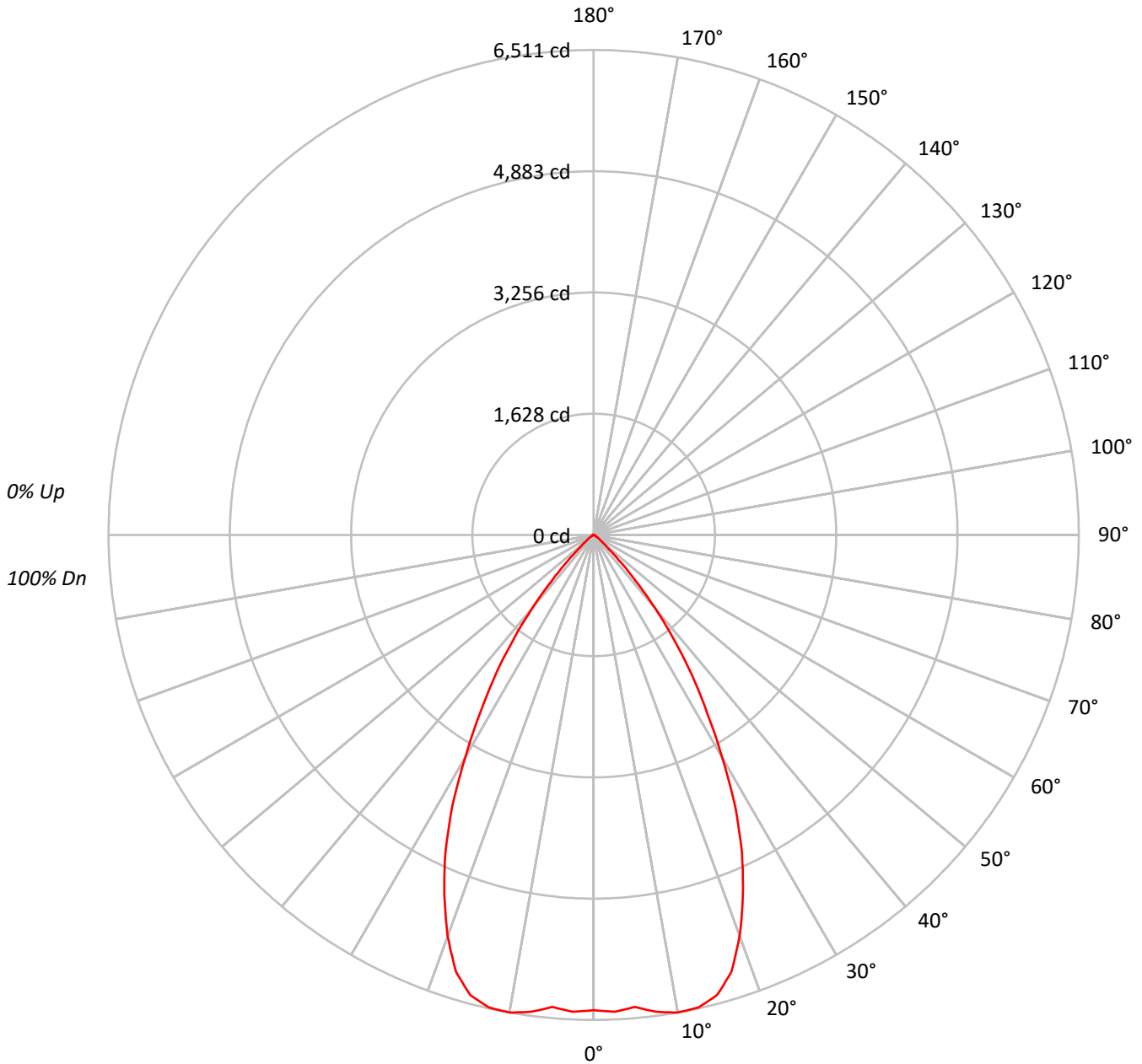
Lumens per Lamp: N/A
Luminaire Lumens: 6480.9 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



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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																			
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°	697182
5°	697761
10°	722327
15°	723529
20°	666127
25°	567577
30°	434494
35°	306967
40°	181197
45°	73566
50°	26670
55°	14858
60°	8522
65°	4679
70°	4920
75°	3842
80°	3964
85°	3385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 73566 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.4	9.5
10°-20°	1772.4	27.3
20°-30°	2126.5	32.8
30°-40°	1429.1	22.1
40°-50°	427.8	6.6
50°-60°	75.5	1.2
60°-70°	21.5	0.3
70°-80°	10.5	0.2
80°-90°	3.3	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°	4513.3	69.6
0°-40°	5942.3	91.7
0°-60°	6445.7	99.5
0°-90°	6480.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6480.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6381	
5°	6362	614
15°	6396	1772
25°	4708	2126
35°	2301	1429
45°	476	428
55°	78	76
65°	18	21
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6380.9
2.5°	6408.2
5°	6361.9
7.5°	6458.0
10°	6510.6
12.5°	6497.9
15°	6396.4
17.5°	6147.9
20°	5729.0
22.5°	5235.7
25°	4708.0
27.5°	4112.2
30°	3443.9
32.5°	2838.2
35°	2301.4
37.5°	1770.9
40°	1270.4
42.5°	829.7
45°	476.1
47.5°	252.1
50°	156.9
52.5°	108.8
55°	78.0
57.5°	56.2
60°	39.0
62.5°	25.4
65°	18.1
67.5°	16.3
70°	15.4
72.5°	11.8
75°	9.1
77.5°	8.2
80°	6.3
82.5°	4.5
85°	2.7
87.5°	1.8
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)