

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: P772529

Luminaire Tested: LD6D80BD010-EU6DR7070959050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR7070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6420.2 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

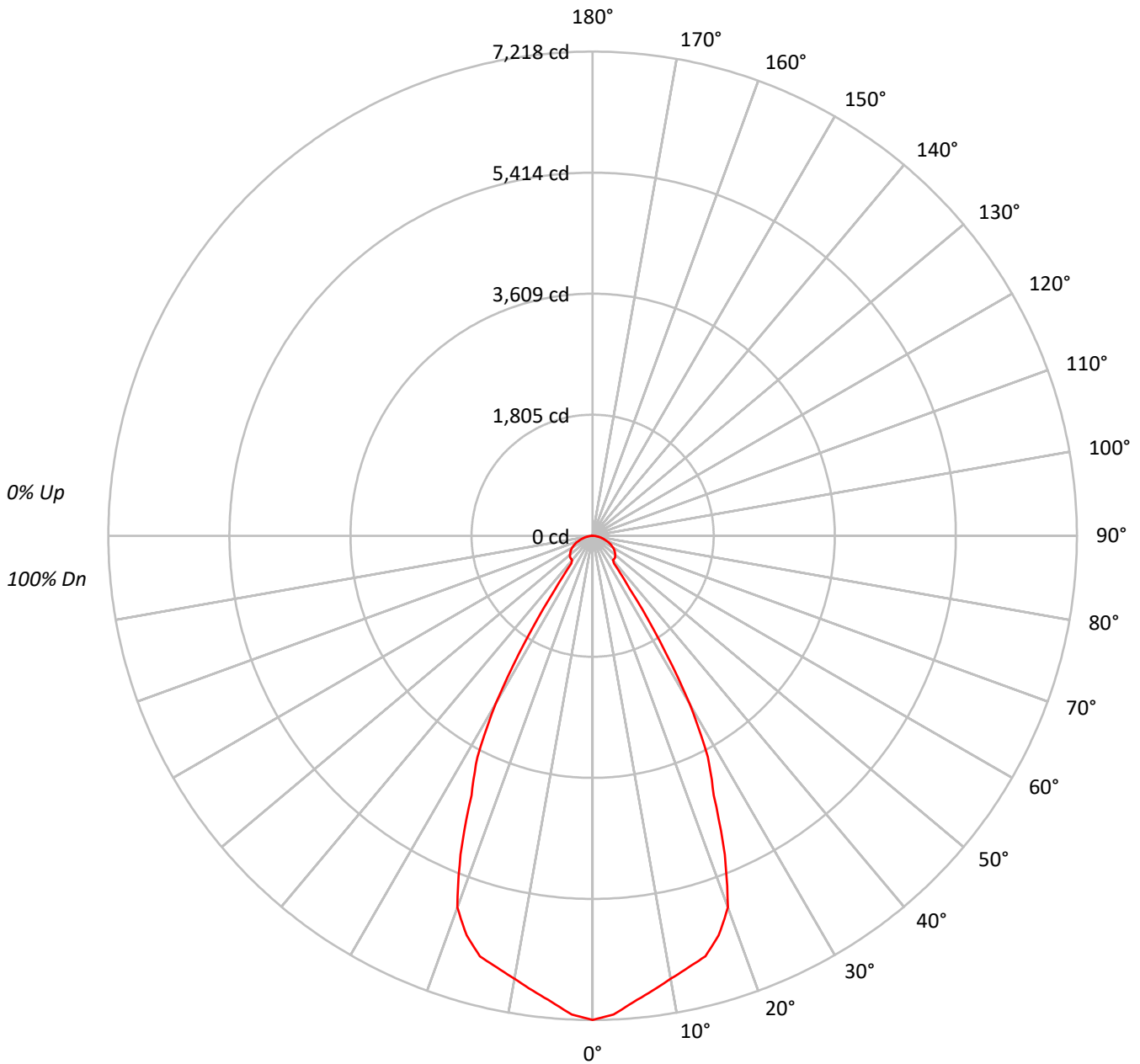
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	788655
5°	765224
10°	743895
15°	734139
20°	685533
25°	515003
30°	364070
35°	128954
40°	67806
45°	72222
50°	74791
55°	76196
60°	76657
65°	75052
70°	70824
75°	65602
80°	58265
85°	47262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 76684 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.1	10.3
10°-20°	1805.1	28.1
20°-30°	1988.1	31.0
30°-40°	759.6	11.8
40°-50°	358.6	5.6
50°-60°	356.6	5.6
60°-70°	285.5	4.4
70°-80°	164.1	2.6
80°-90°	44.6	0.7
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°	4451.2	69.3
0°-40°	5210.8	81.2
0°-60°	5926.0	92.3
0°-90°	6420.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6420.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7218	
5°	6977	658
15°	6490	1805
25°	4272	1988
35°	967	760
45°	467	359
55°	400	357
65°	290	285
75°	155	164
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7218.1
2.5°	7142.7
5°	6977.0
7.5°	6838.7
10°	6705.0
12.5°	6591.9
15°	6490.2
17.5°	6244.4
20°	5895.9
22.5°	5143.9
25°	4271.9
27.5°	3718.8
30°	2885.7
32.5°	1864.0
35°	966.8
37.5°	522.3
40°	475.4
42.5°	472.0
45°	467.4
47.5°	457.1
50°	440.0
52.5°	420.6
55°	400.0
57.5°	377.1
60°	350.8
62.5°	321.1
65°	290.3
67.5°	256.0
70°	221.7
72.5°	187.4
75°	155.4
77.5°	122.3
80°	92.6
82.5°	65.1
85°	37.7
87.5°	14.9
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)