

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: P772504

Luminaire Tested: LD6D80BD010-EU6DR7070959035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772504
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-EU6DR7070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

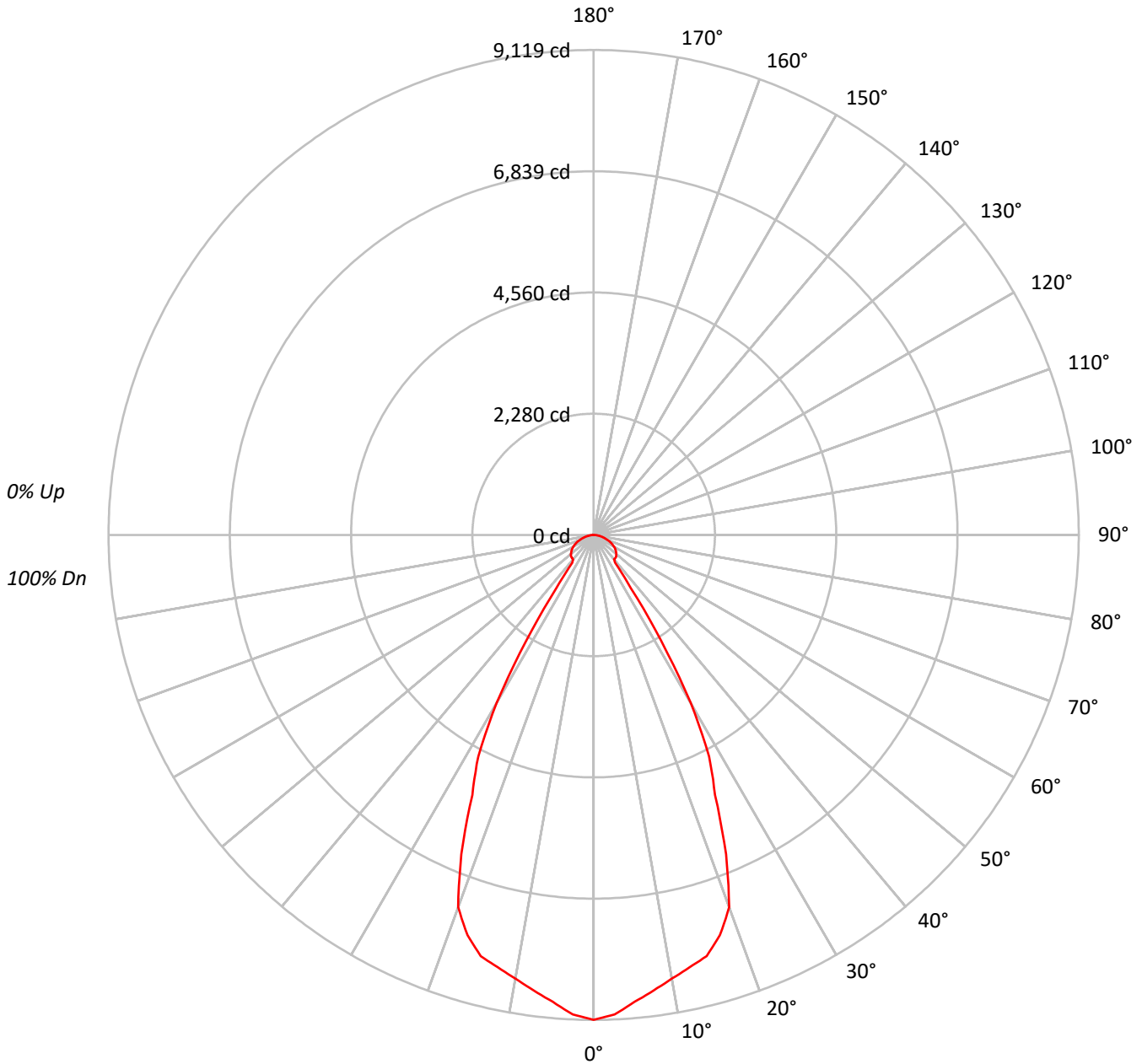
Lumens per Lamp: N/A
Luminaire Lumens: 8110.8 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



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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°	996327
5°	966725
10°	939782
15°	927453
20°	866047
25°	650616
30°	459929
35°	162914
40°	85663
45°	91243
50°	94492
55°	96255
60°	96849
65°	94804
70°	89480
75°	82910
80°	73554
85°	59673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 96877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	831.4	10.3
10°-20°	2280.4	28.1
20°-30°	2511.6	31.0
30°-40°	959.6	11.8
40°-50°	453.1	5.6
50°-60°	450.4	5.6
60°-70°	360.6	4.4
70°-80°	207.3	2.6
80°-90°	56.3	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°	5623.3	69.3
0°-40°	6582.9	81.2
0°-60°	7486.5	92.3
0°-90°	8110.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8110.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9119	
5°	8814	831
15°	8199	2280
25°	5397	2512
35°	1221	960
45°	590	453
55°	505	450
65°	367	361
75°	196	207
85°	48	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9118.8
2.5°	9023.6
5°	8814.2
7.5°	8639.5
10°	8470.6
12.5°	8327.7
15°	8199.2
17.5°	7888.8
20°	7448.4
22.5°	6498.4
25°	5396.8
27.5°	4698.0
30°	3645.5
32.5°	2354.8
35°	1221.4
37.5°	659.8
40°	600.6
42.5°	596.3
45°	590.5
47.5°	577.5
50°	555.9
52.5°	531.3
55°	505.3
57.5°	476.4
60°	443.2
62.5°	405.7
65°	366.7
67.5°	323.4
70°	280.1
72.5°	236.8
75°	196.4
77.5°	154.5
80°	116.9
82.5°	82.3
85°	47.6
87.5°	18.8
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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