

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: P772374

Luminaire Tested: LD6D80BD010-EU6DR6070959050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772374
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-EU6DR6070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

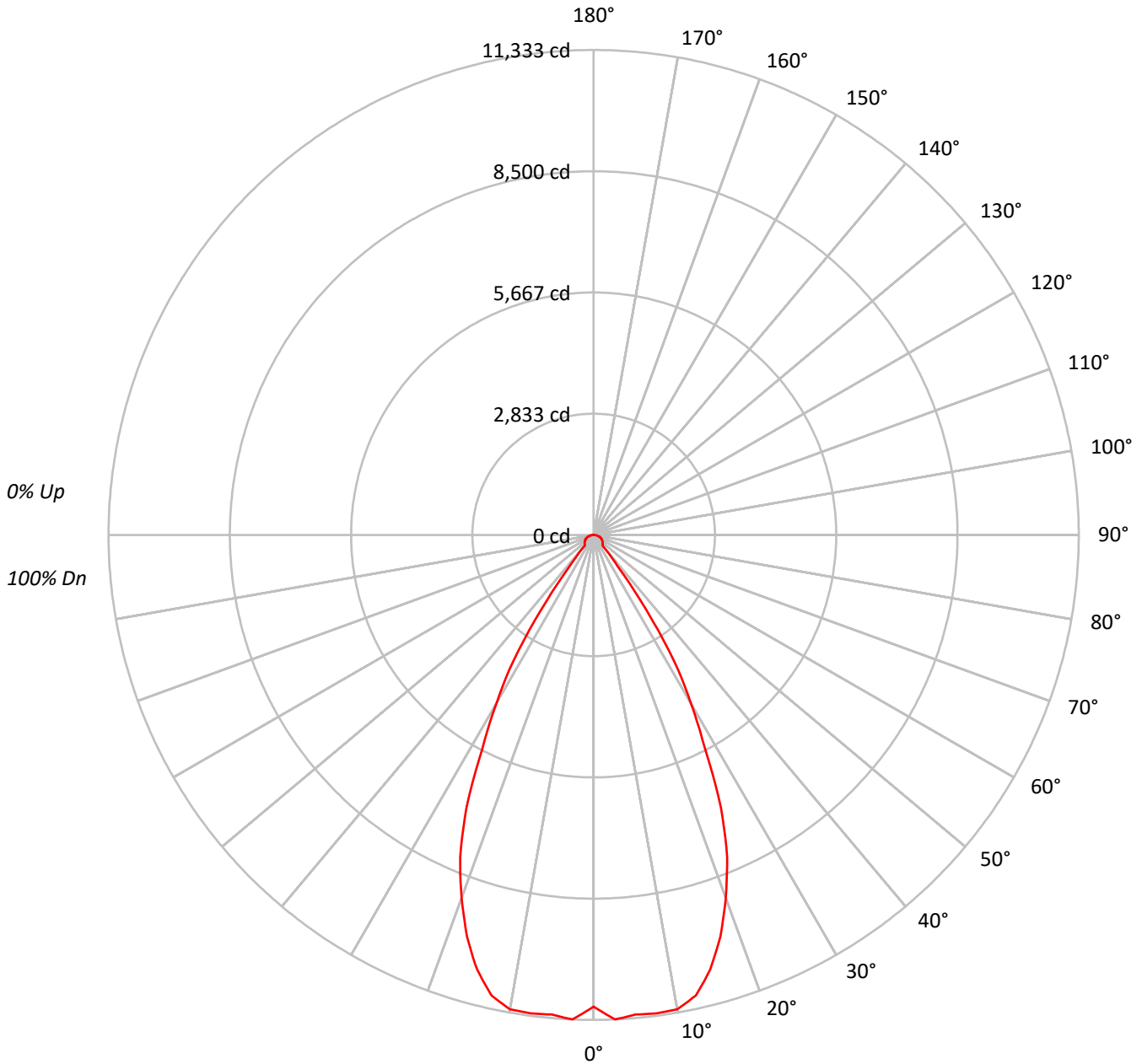
Lumens per Lamp: N/A
Luminaire Lumens: 9281.9 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1204436
5°	1234054
10°	1248956
15°	1189801
20°	1049037
25°	848497
30°	573930
35°	287600
40°	46654
45°	45660
50°	46574
55°	47280
60°	48599
65°	49690
70°	50858
75°	51460
80°	49644
85°	41370

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 51460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1075.4	11.6
10°-20°	2909.5	31.3
20°-30°	3130.4	33.7
30°-40°	1360.7	14.7
40°-50°	228.5	2.5
50°-60°	222.2	2.4
60°-70°	190.1	2.0
70°-80°	127.2	1.4
80°-90°	38.0	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°	7115.2	76.7
0°-40°	8475.9	91.3
0°-60°	8926.7	96.2
0°-90°	9281.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9281.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11024	
5°	11252	###
15°	10518	2909
25°	7038	3130
35°	2156	1361
45°	296	229
55°	248	222
65°	192	190
75°	122	127
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11023.5
2.5°	11333.4
5°	11251.6
7.5°	11277.4
10°	11257.3
12.5°	11024.9
15°	10518.5
17.5°	9838.5
20°	9022.2
22.5°	8148.5
25°	7038.2
27.5°	5629.4
30°	4549.1
32.5°	3506.2
35°	2156.2
37.5°	922.4
40°	327.1
42.5°	301.3
45°	295.5
47.5°	285.5
50°	274.0
52.5°	261.1
55°	248.2
57.5°	235.3
60°	222.4
62.5°	208.0
65°	192.2
67.5°	176.5
70°	159.2
72.5°	140.6
75°	121.9
77.5°	100.4
80°	78.9
82.5°	55.9
85°	33.0
87.5°	11.5
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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