

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: P771659

Luminaire Tested: LD6D75BD010-EU6DR6570959040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771659
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: LD6D75BD010-EU6DR6570959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

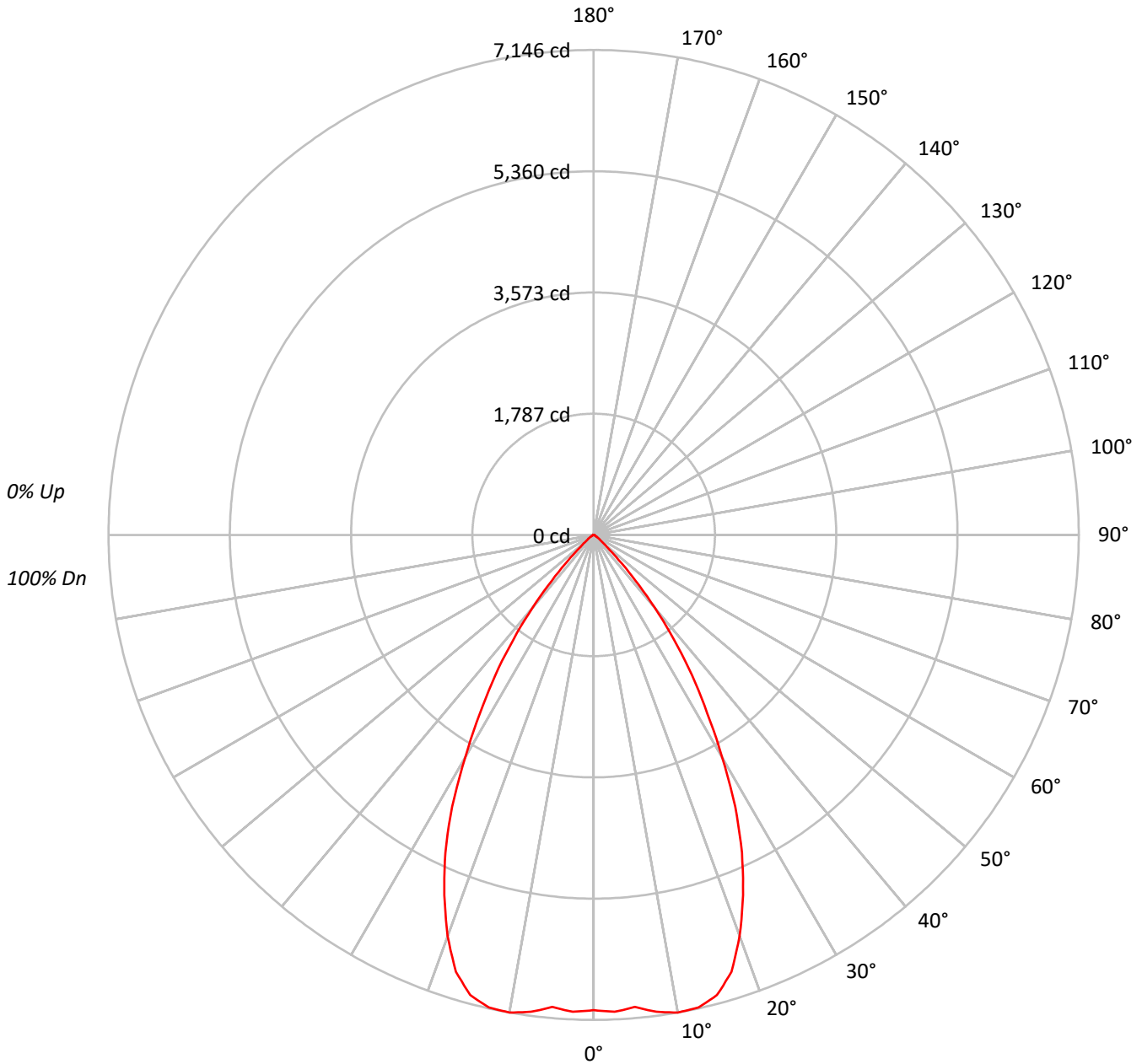
Lumens per Lamp: N/A
Luminaire Lumens: 7113.8 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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



TEST NUMBER: P771659
CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P771659

CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1MW

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°	765262
5°	765893
10°	792855
15°	794169
20°	731170
25°	622997
30°	476923
35°	336938
40°	198883
45°	80736
50°	29270
55°	16306
60°	9353
65°	5145
70°	5399
75°	4222
80°	4404
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80736 cd/sqm



TEST NUMBER: P771659

CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.4	9.5
10°-20°	1945.4	27.3
20°-30°	2334.1	32.8
30°-40°	1568.6	22.1
40°-50°	469.6	6.6
50°-60°	82.9	1.2
60°-70°	23.6	0.3
70°-80°	11.6	0.2
80°-90°	3.7	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°	4954.0	69.6
0°-40°	6522.6	91.7
0°-60°	7075.0	99.5
0°-90°	7113.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7113.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7004	
5°	6983	674
15°	7021	1945
25°	5168	2334
35°	2526	1569
45°	522	470
55°	86	83
65°	20	24
75°	10	12
85°	3	4
90°	0	



TEST NUMBER: P771659

CATALOG NUMBER: LD6D75BD010-EU6DR6570959040-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	7004.0
2.5°	7033.9
5°	6983.1
7.5°	7088.6
10°	7146.3
12.5°	7132.4
15°	7020.9
17.5°	6748.2
20°	6288.4
22.5°	5746.9
25°	5167.7
27.5°	4513.7
30°	3780.2
32.5°	3115.3
35°	2526.1
37.5°	1943.8
40°	1394.4
42.5°	910.7
45°	522.5
47.5°	276.7
50°	172.2
52.5°	119.4
55°	85.6
57.5°	61.7
60°	42.8
62.5°	27.9
65°	19.9
67.5°	17.9
70°	16.9
72.5°	12.9
75°	10.0
77.5°	9.0
80°	7.0
82.5°	5.0
85°	3.0
87.5°	2.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)