

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: P771581

Luminaire Tested: LD6D75BD010-EU6DR6070959040-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771581  
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: LD6D75BD010-EU6DR6070959040-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8134.7 lumens  
Efficiency: N/A  
Efficacy: 112.4 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

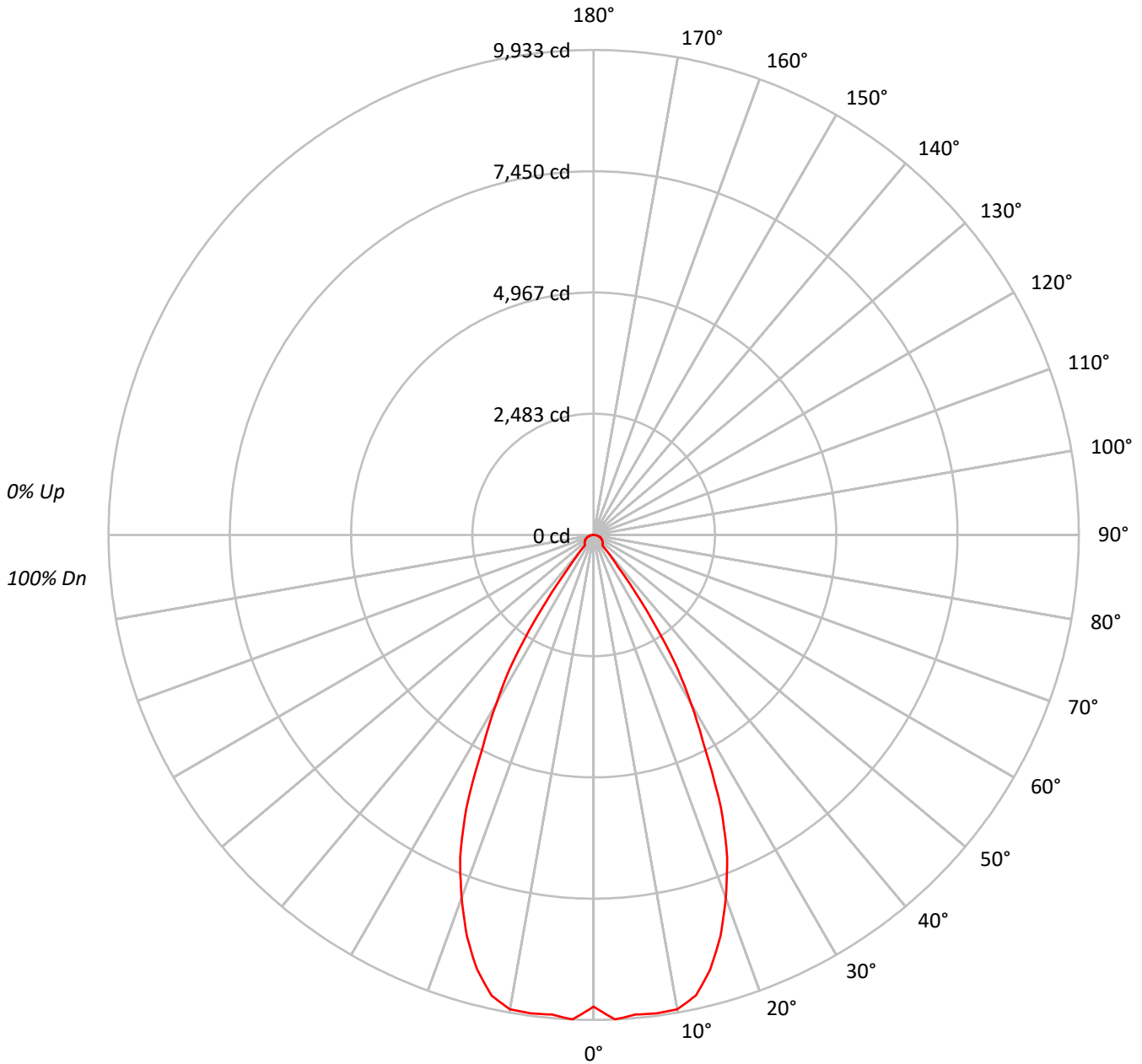
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P771581

CATALOG NUMBER: LD6D75BD010-EU6DR6070959040-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P771581

CATALOG NUMBER: LD6D75BD010-EU6DR6070959040-6LBSQW1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				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
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°	1055568
5°	1081525
10°	1094596
15°	1042751
20°	919381
25°	743625
30°	503001
35°	252053
40°	40892
45°	40020
50°	40812
55°	41432
60°	42590
65°	43563
70°	44596
75°	45128
80°	43541
85°	36230

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 45128 cd/sqm



TEST NUMBER: P771581

CATALOG NUMBER: LD6D75BD010-EU6DR6070959040-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	942.5	11.6
10°-20°	2549.9	31.3
20°-30°	2743.5	33.7
30°-40°	1192.5	14.7
40°-50°	200.3	2.5
50°-60°	194.7	2.4
60°-70°	166.6	2.0
70°-80°	111.5	1.4
80°-90°	33.3	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°	6235.8	76.7
0°-40°	7428.3	91.3
0°-60°	7823.3	96.2
0°-90°	8134.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8134.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9661	
5°	9861	942
15°	9218	2550
25°	6168	2743
35°	1890	1193
45°	259	200
55°	218	195
65°	168	167
75°	107	111
85°	29	33
90°	0	



TEST NUMBER: P771581

CATALOG NUMBER: LD6D75BD010-EU6DR6070959040-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9661.0
2.5°	9932.6
5°	9860.9
7.5°	9883.6
10°	9866.0
12.5°	9662.3
15°	9218.5
17.5°	8622.5
20°	7907.1
22.5°	7141.4
25°	6168.3
27.5°	4933.6
30°	3986.9
32.5°	3072.8
35°	1889.7
37.5°	808.4
40°	286.7
42.5°	264.0
45°	259.0
47.5°	250.2
50°	240.1
52.5°	228.8
55°	217.5
57.5°	206.2
60°	194.9
62.5°	182.3
65°	168.5
67.5°	154.6
70°	139.6
72.5°	123.2
75°	106.9
77.5°	88.0
80°	69.2
82.5°	49.0
85°	28.9
87.5°	10.1
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)