

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: P773258

Luminaire Tested: LD6D85BD010-EU6DR7070959027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773258
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: LD6D85BD010-EU6DR7070959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

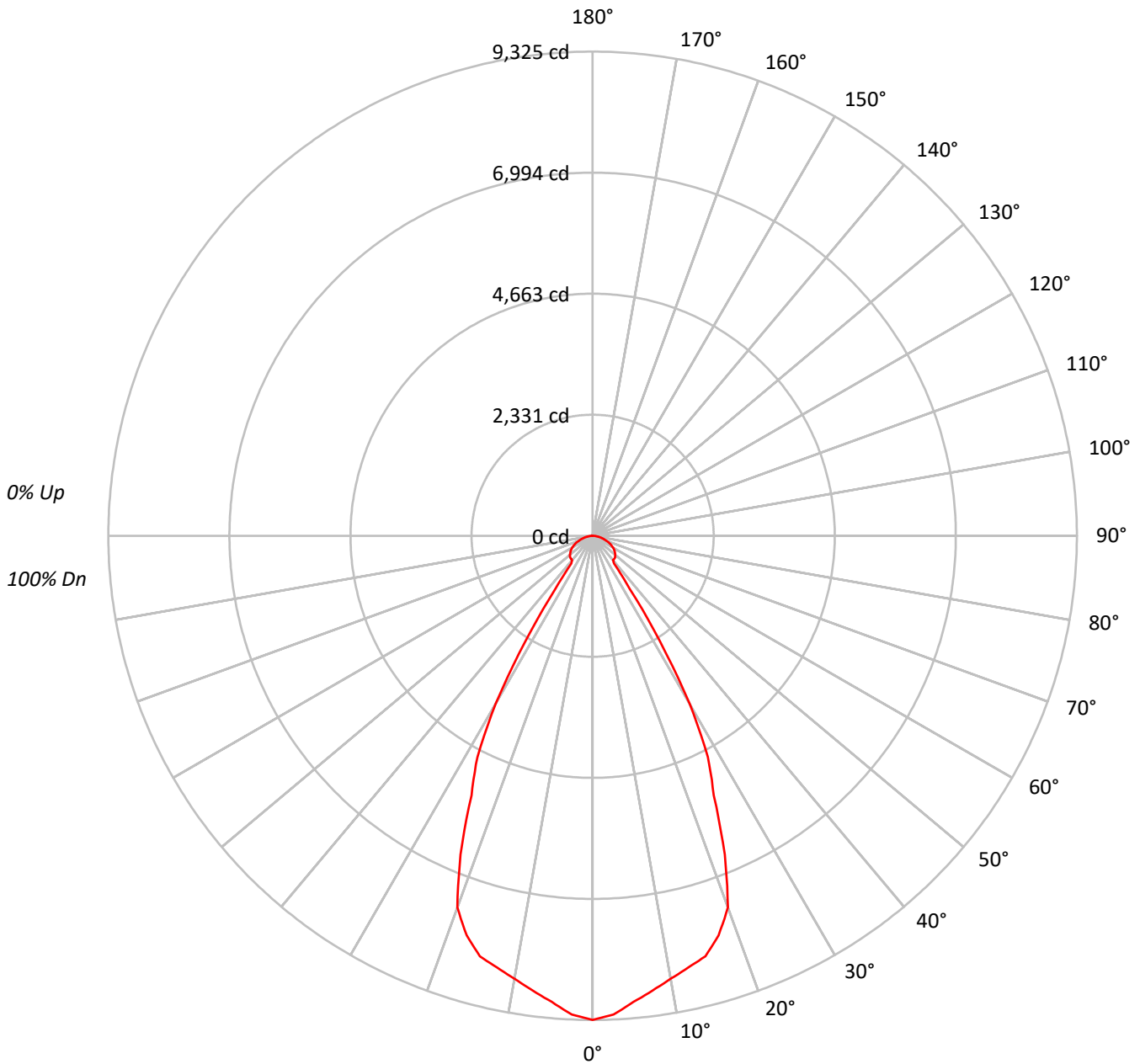
Lumens per Lamp: N/A
Luminaire Lumens: 8293.8 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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: P773258
CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P773258

CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBSQW1MW

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1018824
5°	988551
10°	960994
15°	948391
20°	885592
25°	665300
30°	470312
35°	166595
40°	87603
45°	93298
50°	96616
55°	98426
60°	99034
65°	96950
70°	91493
75°	84768
80°	75253
85°	61052

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 99073 cd/sqm



TEST NUMBER: P773258

CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.1	10.3
10°-20°	2331.9	28.1
20°-30°	2568.3	31.0
30°-40°	981.3	11.8
40°-50°	463.3	5.6
50°-60°	460.6	5.6
60°-70°	368.8	4.4
70°-80°	212.0	2.6
80°-90°	57.6	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°	5750.3	69.3
0°-40°	6731.5	81.2
0°-60°	7655.4	92.3
0°-90°	8293.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8293.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9325	
5°	9013	850
15°	8384	2332
25°	5519	2568
35°	1249	981
45°	604	463
55°	517	461
65°	375	369
75°	201	212
85°	49	58
90°	0	



TEST NUMBER: P773258

CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9324.7
2.5°	9227.3
5°	9013.2
7.5°	8834.5
10°	8661.8
12.5°	8515.6
15°	8384.3
17.5°	8066.8
20°	7616.5
22.5°	6645.1
25°	5518.6
27.5°	4804.1
30°	3727.8
32.5°	2407.9
35°	1249.0
37.5°	674.7
40°	614.2
42.5°	609.7
45°	603.8
47.5°	590.5
50°	568.4
52.5°	543.3
55°	516.7
57.5°	487.2
60°	453.2
62.5°	414.9
65°	375.0
67.5°	330.7
70°	286.4
72.5°	242.1
75°	200.8
77.5°	158.0
80°	119.6
82.5°	84.2
85°	48.7
87.5°	19.2
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)