

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: P771686

Luminaire Tested: LD6D75BD010-EU6DR7070959027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR7070959027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

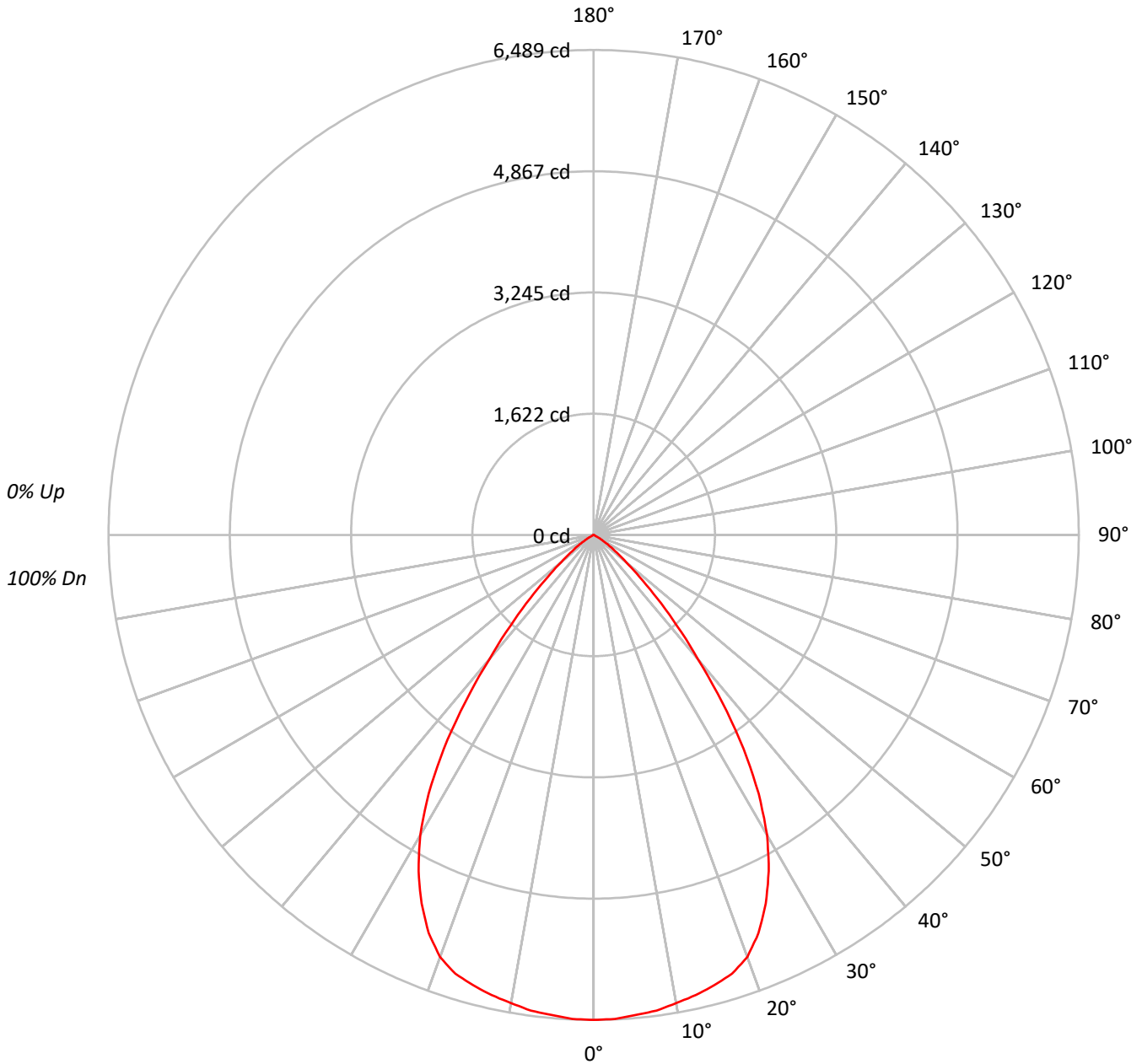
Lumens per Lamp: N/A
Luminaire Lumens: 8221.6 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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: P771686
CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P771686

CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBCSSQMB

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			
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	709004
5°	707237
10°	705707
15°	705510
20°	698614
25°	656258
30°	585058
35°	466466
40°	309735
45°	185174
50°	96004
55°	50461
60°	17853
65°	310
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 185174 cd/sqm



TEST NUMBER: P771686

CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.2	7.5
10°-20°	1758.8	21.4
20°-30°	2481.1	30.2
30°-40°	2141.8	26.1
40°-50°	959.2	11.7
50°-60°	251.1	3.1
60°-70°	16.4	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	4853.1	59.0
0°-40°	6994.9	85.1
0°-60°	8205.2	99.8
0°-90°	8221.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8221.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6489	
5°	6448	613
15°	6237	1759
25°	5444	2481
35°	3497	2142
45°	1198	959
55°	265	251
65°	1	16
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P771686

CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	6489.1
2.5°	6482.1
5°	6448.3
7.5°	6420.3
10°	6360.8
12.5°	6307.1
15°	6237.1
17.5°	6156.6
20°	6008.4
22.5°	5764.5
25°	5443.6
27.5°	5071.4
30°	4637.3
32.5°	4106.3
35°	3497.2
37.5°	2825.1
40°	2171.6
42.5°	1650.0
45°	1198.4
47.5°	826.2
50°	564.8
52.5°	389.7
55°	264.9
57.5°	159.9
60°	81.7
62.5°	25.7
65°	1.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)