

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: P771697

Luminaire Tested: LD6D75BD010-EU6DR7070959027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771697
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: LD6D75BD010-EU6DR7070959027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

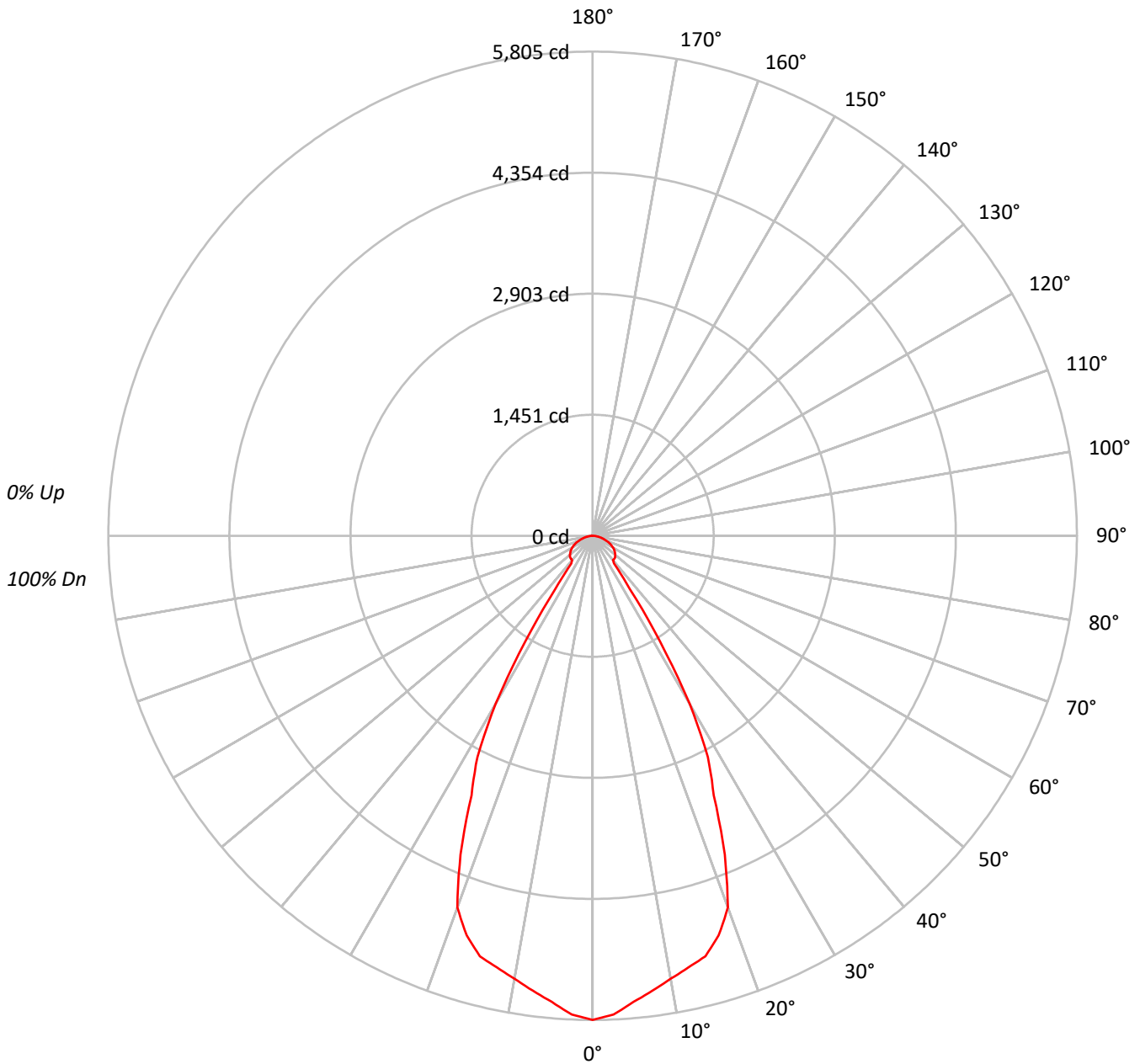
Lumens per Lamp: N/A
Luminaire Lumens: 5163.3 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P771697
CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P771697

CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBSQW1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	634259
5°	615415
10°	598267
15°	590415
20°	551319
25°	414182
30°	292788
35°	103718
40°	54527
45°	58083
50°	60156
55°	61281
60°	61667
65°	60367
70°	56959
75°	52769
80°	46813
85°	37985

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 61677 cd/sqm



TEST NUMBER: P771697

CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.2	10.3
10°-20°	1451.7	28.1
20°-30°	1598.9	31.0
30°-40°	610.9	11.8
40°-50°	288.4	5.6
50°-60°	286.8	5.6
60°-70°	229.6	4.4
70°-80°	131.9	2.6
80°-90°	35.8	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°	3579.8	69.3
0°-40°	4190.7	81.2
0°-60°	4765.9	92.3
0°-90°	5163.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5163.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5805	
5°	5611	529
15°	5220	1452
25°	3436	1599
35°	778	611
45°	376	288
55°	322	287
65°	234	230
75°	125	132
85°	30	36
90°	0	



TEST NUMBER: P771697

CATALOG NUMBER: LD6D75BD010-EU6DR7070959027-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	5805.0
2.5°	5744.4
5°	5611.1
7.5°	5499.9
10°	5392.4
12.5°	5301.4
15°	5219.6
17.5°	5022.0
20°	4741.6
22.5°	4136.9
25°	3435.6
27.5°	2990.8
30°	2320.7
32.5°	1499.1
35°	777.6
37.5°	420.0
40°	382.3
42.5°	379.6
45°	375.9
47.5°	367.6
50°	353.9
52.5°	338.2
55°	321.7
57.5°	303.3
60°	282.2
62.5°	258.3
65°	233.5
67.5°	205.9
70°	178.3
72.5°	150.7
75°	125.0
77.5°	98.3
80°	74.4
82.5°	52.4
85°	30.3
87.5°	11.9
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)