

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: P773119

Luminaire Tested: LD6D85BD010-EU6DR6070959035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773119
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: LD6D85BD010-EU6DR6070959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8211.3 lumens
Efficiency: N/A
Efficacy: 93.6 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

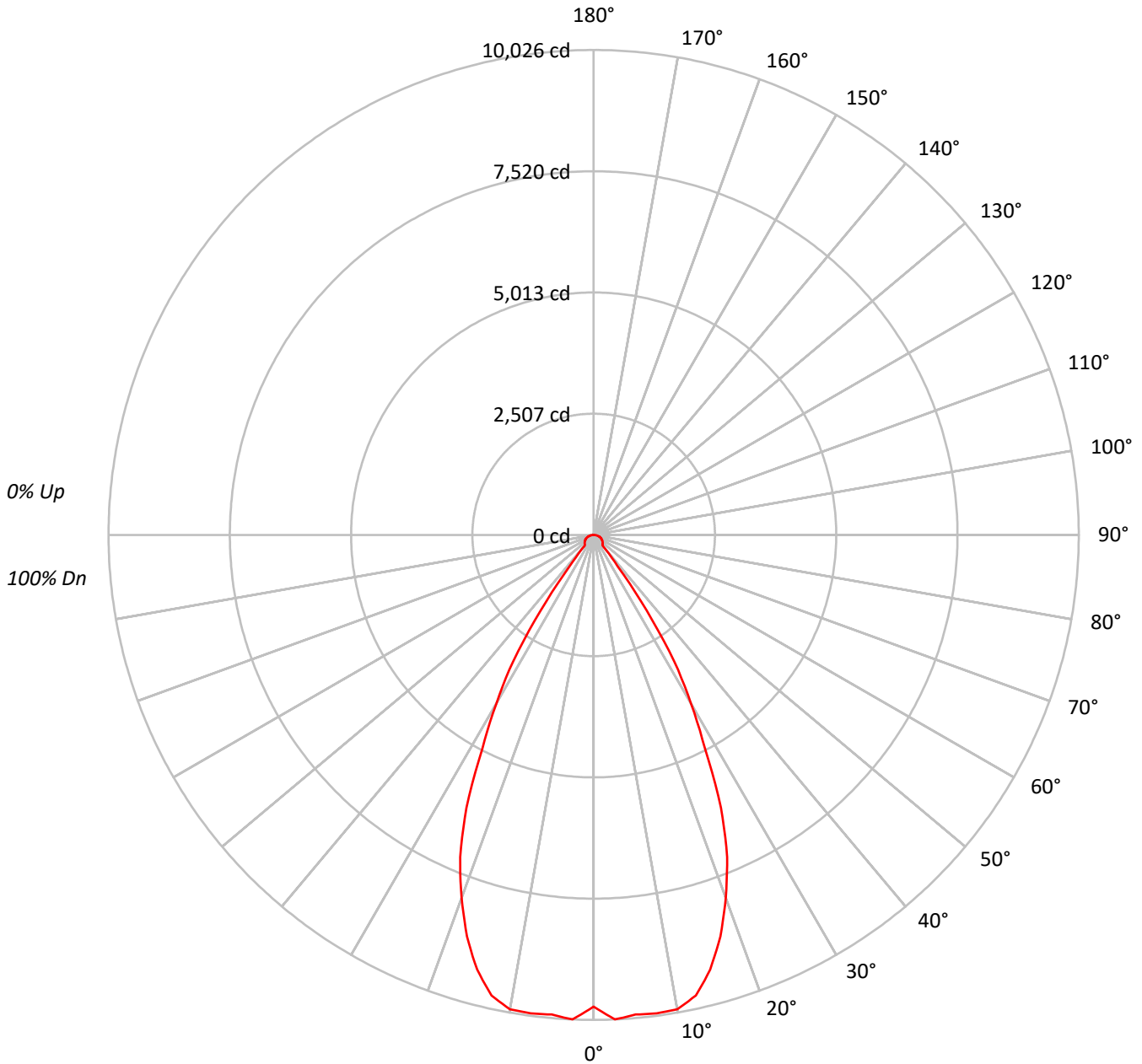
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P773119
CATALOG NUMBER: LD6D85BD010-EU6DR6070959035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P773119
 CATALOG NUMBER: LD6D85BD010-EU6DR6070959035-6LBDP1B

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°	1065500
5°	1091703
10°	1104892
15°	1052558
20°	928032
25°	750617
30°	507732
35°	254428
40°	41277
45°	40391
50°	41203
55°	41832
60°	42983
65°	43976
70°	45012
75°	45550
80°	43919
85°	36606

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 45550 cd/sqm



TEST NUMBER: P773119

CATALOG NUMBER: LD6D85BD010-EU6DR6070959035-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.3	11.6
10°-20°	2573.9	31.3
20°-30°	2769.3	33.7
30°-40°	1203.7	14.7
40°-50°	202.2	2.5
50°-60°	196.6	2.4
60°-70°	168.1	2.0
70°-80°	112.5	1.4
80°-90°	33.7	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°	6294.5	76.7
0°-40°	7498.2	91.3
0°-60°	7897.0	96.2
0°-90°	8211.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8211.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9752	
5°	9954	951
15°	9305	2574
25°	6226	2769
35°	1908	1204
45°	261	202
55°	220	197
65°	170	168
75°	108	113
85°	29	34
90°	0	



TEST NUMBER: P773119

CATALOG NUMBER: LD6D85BD010-EU6DR6070959035-6LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	9751.9
2.5°	10026.0
5°	9953.7
7.5°	9976.5
10°	9958.8
12.5°	9753.2
15°	9305.2
17.5°	8703.6
20°	7981.5
22.5°	7208.6
25°	6226.3
27.5°	4980.0
30°	4024.4
32.5°	3101.7
35°	1907.5
37.5°	816.0
40°	289.4
42.5°	266.5
45°	261.4
47.5°	252.6
50°	242.4
52.5°	231.0
55°	219.6
57.5°	208.1
60°	196.7
62.5°	184.0
65°	170.1
67.5°	156.1
70°	140.9
72.5°	124.4
75°	107.9
77.5°	88.8
80°	69.8
82.5°	49.5
85°	29.2
87.5°	10.2
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)