

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: P773108

Luminaire Tested: LD6D85BD010-EU6DR6070959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773108
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-EU6DR6070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10834.5 lumens
Efficiency: N/A
Efficacy: 123.5 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

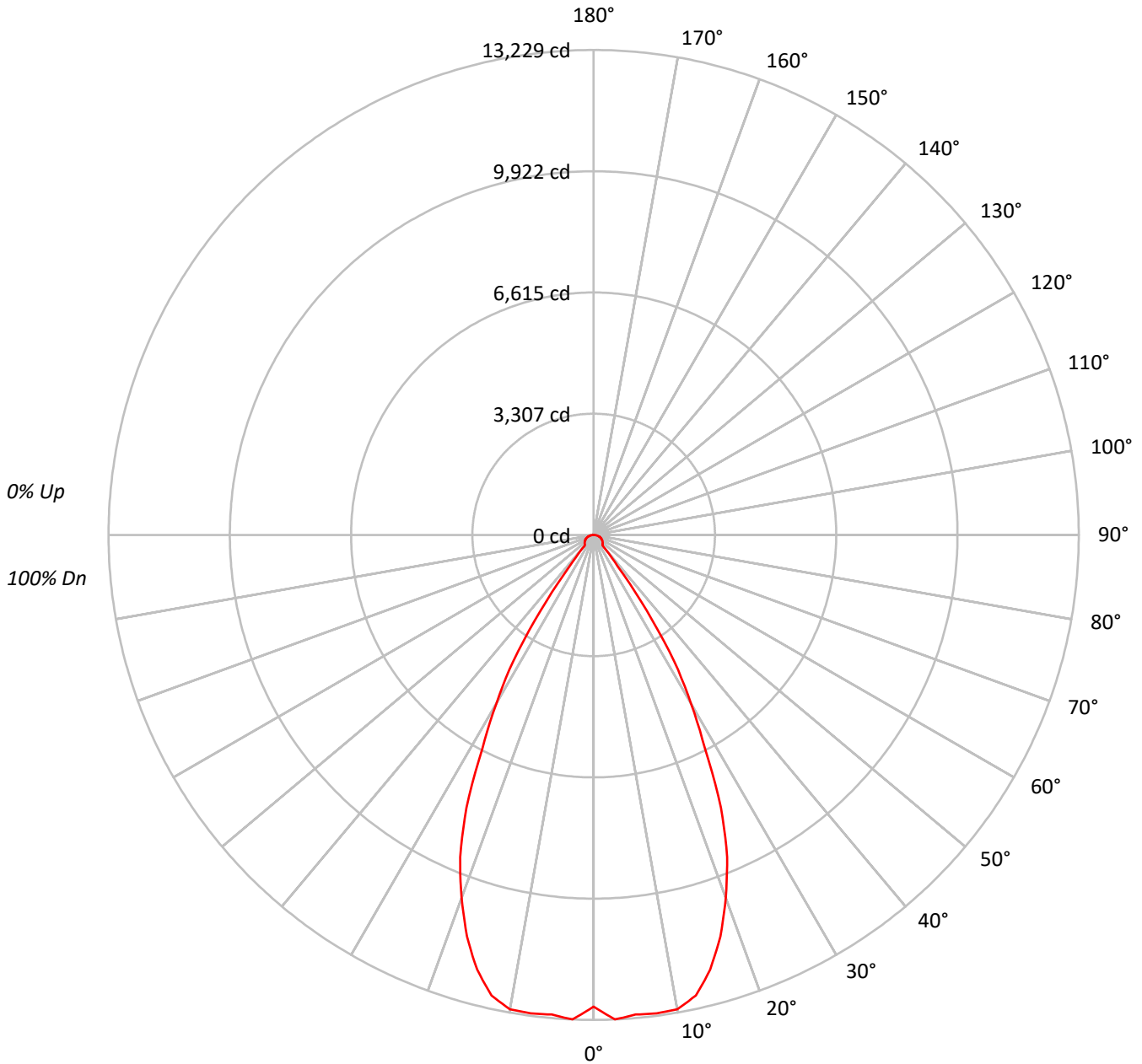
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P773108
CATALOG NUMBER: LD6D85BD010-EU6DR6070959030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P773108
 CATALOG NUMBER: LD6D85BD010-EU6DR6070959030-6LBDP1LI

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°	1405902
5°	1440479
10°	1457867
15°	1388815
20°	1224516
25°	990415
30°	669941
35°	335711
40°	54456
45°	53309
50°	54359
55°	55185
60°	56728
65°	58015
70°	59387
75°	60072
80°	57950
85°	48265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 60072 cd/sqm



TEST NUMBER: P773108

CATALOG NUMBER: LD6D85BD010-EU6DR6070959030-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1255.2	11.6
10°-20°	3396.1	31.3
20°-30°	3654.0	33.7
30°-40°	1588.3	14.7
40°-50°	266.8	2.5
50°-60°	259.4	2.4
60°-70°	221.9	2.0
70°-80°	148.4	1.4
80°-90°	44.4	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°	8305.4	76.7
0°-40°	9893.7	91.3
0°-60°	10419.8	96.2
0°-90°	10834.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10834.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12867	
5°	13134	###
15°	12278	3396
25°	8215	3654
35°	2517	1588
45°	345	267
55°	290	259
65°	224	222
75°	142	148
85°	38	44
90°	0	



TEST NUMBER: P773108

CATALOG NUMBER: LD6D85BD010-EU6DR6070959030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	12867.4
2.5°	13229.1
5°	13133.7
7.5°	13163.8
10°	13140.3
12.5°	12869.1
15°	12277.9
17.5°	11484.2
20°	10531.4
22.5°	9511.6
25°	8215.4
27.5°	6571.0
30°	5310.1
32.5°	4092.6
35°	2516.9
37.5°	1076.7
40°	381.8
42.5°	351.7
45°	345.0
47.5°	333.2
50°	319.8
52.5°	304.8
55°	289.7
57.5°	274.6
60°	259.6
62.5°	242.8
65°	224.4
67.5°	206.0
70°	185.9
72.5°	164.1
75°	142.3
77.5°	117.2
80°	92.1
82.5°	65.3
85°	38.5
87.5°	13.4
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)