

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: P773188

Luminaire Tested: LD6D85BD010-EU6DR6570959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8811.7 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

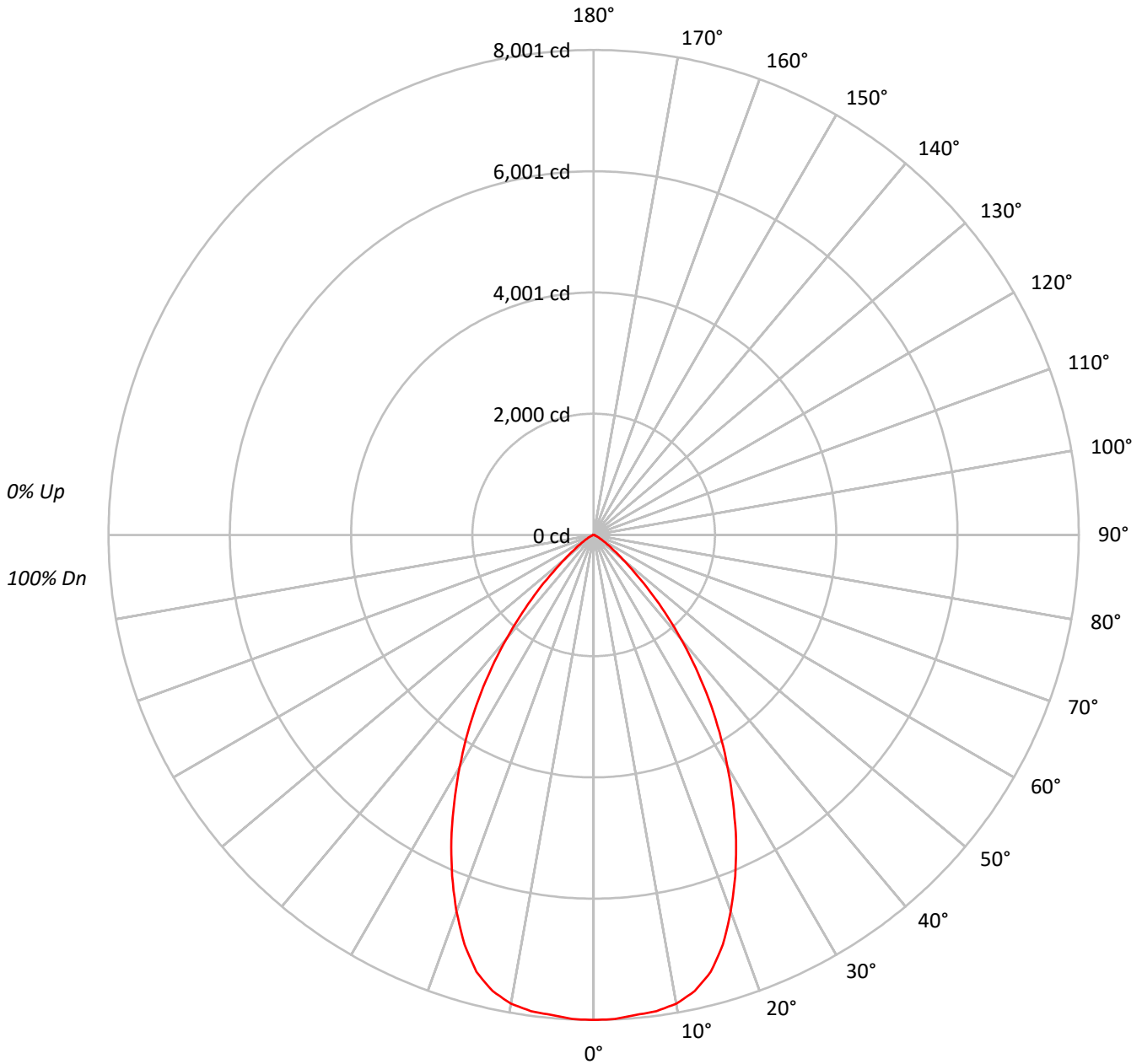
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P773188
CATALOG NUMBER: LD6D85BD010-EU6DR6570959030-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P773188

CATALOG NUMBER: LD6D85BD010-EU6DR6570959030-6LBS1B

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	113	110	107	105	111	108	105	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	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	467278
5°	466096
10°	465697
15°	451341
20°	410894
25°	358069
30°	297811
35°	235975
40°	170314
45°	107597
50°	56088
55°	29814
60°	15652
65°	8610
70°	3620
75°	3972
80°	2758
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 107597 cd/sqm



TEST NUMBER: P773188

CATALOG NUMBER: LD6D85BD010-EU6DR6570959030-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.6	8.6
10°-20°	2071.9	23.5
20°-30°	2532.6	28.7
30°-40°	2054.9	23.3
40°-50°	1024.0	11.6
50°-60°	285.6	3.2
60°-70°	64.9	0.7
70°-80°	16.9	0.2
80°-90°	4.3	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°	5361.1	60.8
0°-40°	7416.0	84.2
0°-60°	8725.6	99.0
0°-90°	8811.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8811.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8001	
5°	7950	757
15°	7465	2072
25°	5556	2533
35°	3310	2055
45°	1303	1024
55°	293	286
65°	62	65
75°	18	17
85°	4	4
90°	0	



TEST NUMBER: P773188

CATALOG NUMBER: LD6D85BD010-EU6DR6570959030-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	8000.8
2.5°	7994.9
5°	7950.2
7.5°	7924.4
10°	7852.6
12.5°	7706.8
15°	7464.6
17.5°	7086.1
20°	6611.1
22.5°	6098.5
25°	5556.5
27.5°	4976.8
30°	4416.0
32.5°	3862.2
35°	3309.7
37.5°	2758.2
40°	2233.9
42.5°	1742.4
45°	1302.7
47.5°	907.7
50°	617.3
52.5°	425.6
55°	292.8
57.5°	197.5
60°	134.0
62.5°	92.9
65°	62.3
67.5°	31.7
70°	21.2
72.5°	20.0
75°	17.6
77.5°	11.8
80°	8.2
82.5°	5.9
85°	3.5
87.5°	2.4
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)