

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: P773291

Luminaire Tested: LD6D85BD010-EU6DR7070959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773291
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: LD6D85BD010-EU6DR7070959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8581.4 lumens
Efficiency: N/A
Efficacy: 97.8 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

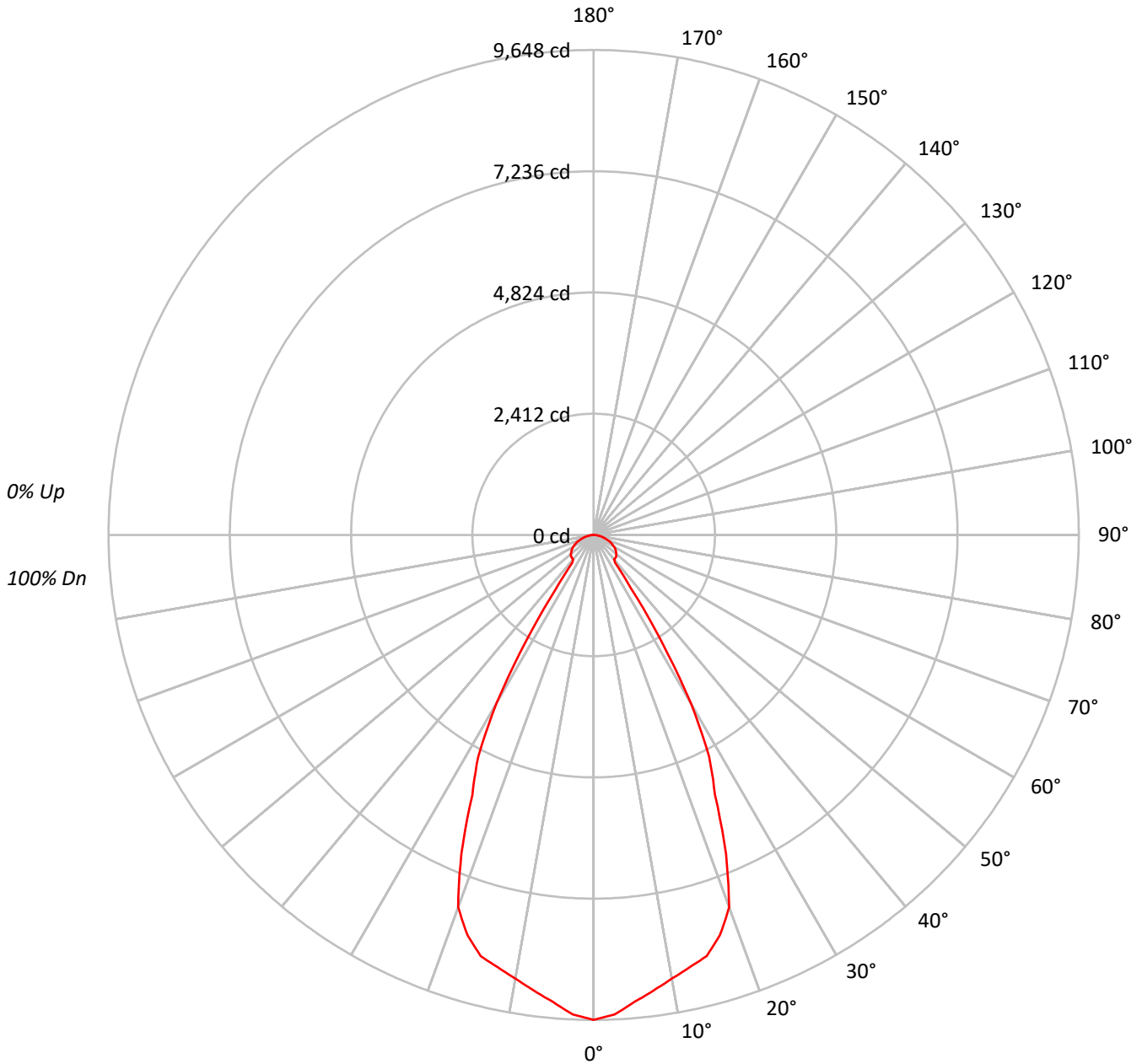
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P773291
CATALOG NUMBER: LD6D85BD010-EU6DR7070959040-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P773291

CATALOG NUMBER: LD6D85BD010-EU6DR7070959040-6LBDP1MW

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°	1054148
5°	1022814
10°	994312
15°	981262
20°	916300
25°	688374
30°	486612
35°	172371
40°	90641
45°	96543
50°	99965
55°	101836
60°	102487
65°	100311
70°	94655
75°	87681
80°	77833
85°	63183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 102510 cd/sqm



TEST NUMBER: P773291

CATALOG NUMBER: LD6D85BD010-EU6DR7070959040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	879.6	10.3
10°-20°	2412.7	28.1
20°-30°	2657.3	31.0
30°-40°	1015.3	11.8
40°-50°	479.4	5.6
50°-60°	476.6	5.6
60°-70°	381.6	4.4
70°-80°	219.3	2.6
80°-90°	59.6	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°	5949.6	69.3
0°-40°	6964.9	81.2
0°-60°	7920.9	92.3
0°-90°	8581.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8581.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9648	
5°	9326	880
15°	8675	2413
25°	5710	2657
35°	1292	1015
45°	625	479
55°	535	477
65°	388	382
75°	208	219
85°	50	60
90°	0	



TEST NUMBER: P773291

CATALOG NUMBER: LD6D85BD010-EU6DR7070959040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	9648.0
2.5°	9547.1
5°	9325.6
7.5°	9140.8
10°	8962.1
12.5°	8810.9
15°	8674.9
17.5°	8346.5
20°	7880.6
22.5°	6875.5
25°	5710.0
27.5°	4970.6
30°	3857.0
32.5°	2491.4
35°	1292.3
37.5°	698.1
40°	635.5
42.5°	630.9
45°	624.8
47.5°	611.0
50°	588.1
52.5°	562.1
55°	534.6
57.5°	504.1
60°	469.0
62.5°	429.2
65°	388.0
67.5°	342.2
70°	296.3
72.5°	250.5
75°	207.7
77.5°	163.4
80°	123.7
82.5°	87.1
85°	50.4
87.5°	19.9
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)