

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P773876

Luminaire Tested: LD6D90BD010-EU6DR6070959027-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773876  
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: LD6D90BD010-EU6DR6070959027-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

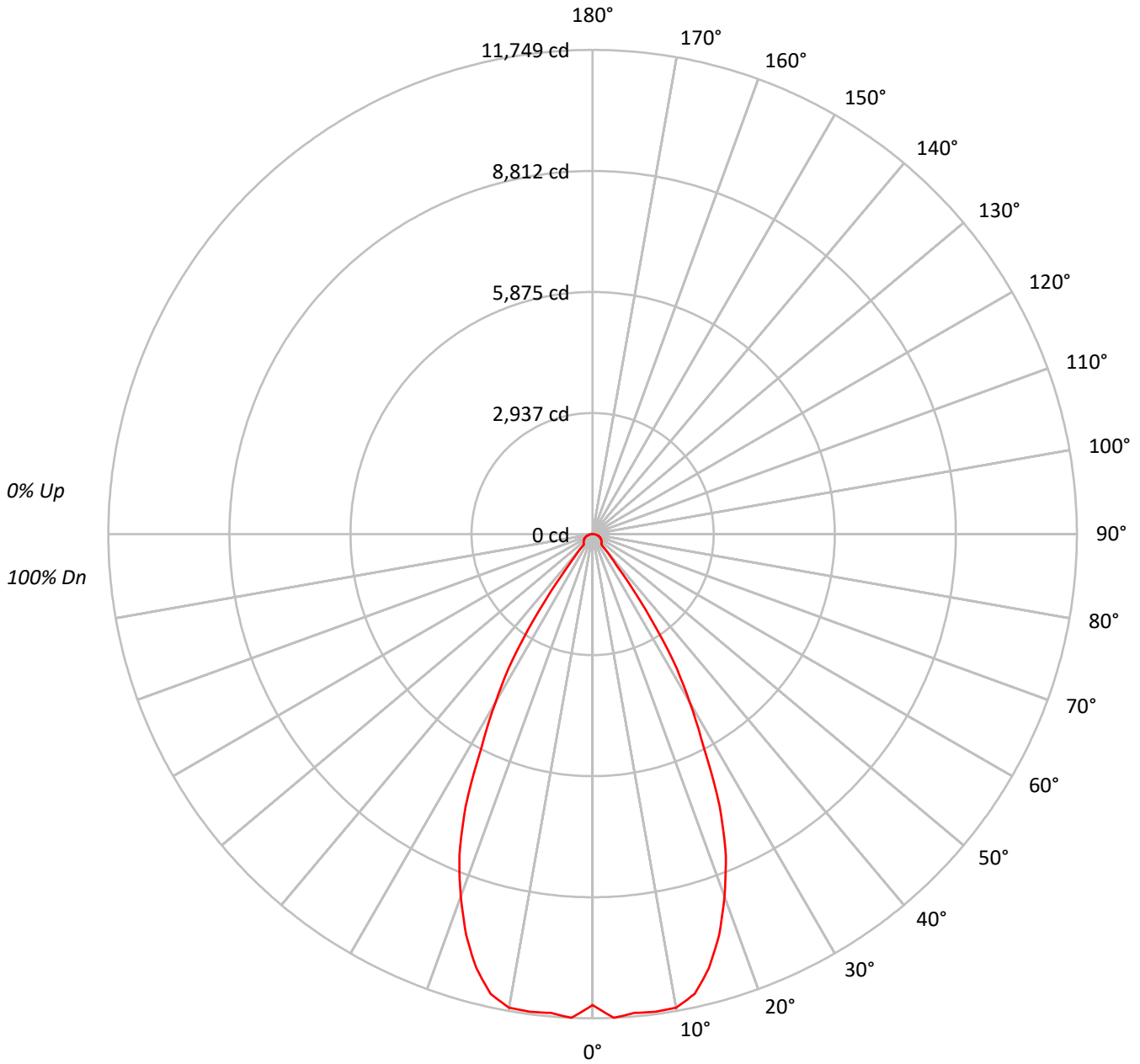
Lumens per Lamp: N/A  
Luminaire Lumens: 9622.6 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P773876  
CATALOG NUMBER: LD6D90BD010-EU6DR6070959027-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P773876

CATALOG NUMBER: LD6D90BD010-EU6DR6070959027-6LBDP1MW

**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	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°	1248632
5°	1279340
10°	1294799
15°	1233463
20°	1087535
25°	879636
30°	594999
35°	298150
40°	48366
45°	47344
50°	48291
55°	49013
60°	50369
65°	51526
70°	52742
75°	53360
80°	51469
85°	42874

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 53360 cd/sqm



TEST NUMBER: P773876

CATALOG NUMBER: LD6D90BD010-EU6DR6070959027-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1114.8	11.6
10°-20°	3016.3	31.3
20°-30°	3245.3	33.7
30°-40°	1410.6	14.7
40°-50°	236.9	2.5
50°-60°	230.4	2.4
60°-70°	197.0	2.0
70°-80°	131.9	1.4
80°-90°	39.4	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°	7376.3	76.7
0°-40°	8787.0	91.3
0°-60°	9254.3	96.2
0°-90°	9622.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9622.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11428	
5°	11664	###
15°	10904	3016
25°	7296	3245
35°	2235	1411
45°	306	237
55°	257	230
65°	199	197
75°	126	132
85°	34	39
90°	0	



TEST NUMBER: P773876

CATALOG NUMBER: LD6D90BD010-EU6DR6070959027-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11428.0
2.5°	11749.3
5°	11664.5
7.5°	11691.3
10°	11670.5
12.5°	11429.5
15°	10904.5
17.5°	10199.6
20°	9353.3
22.5°	8447.6
25°	7296.5
27.5°	5836.0
30°	4716.1
32.5°	3634.8
35°	2235.3
37.5°	956.3
40°	339.1
42.5°	312.3
45°	306.4
47.5°	296.0
50°	284.1
52.5°	270.7
55°	257.3
57.5°	243.9
60°	230.5
62.5°	215.7
65°	199.3
67.5°	182.9
70°	165.1
72.5°	145.8
75°	126.4
77.5°	104.1
80°	81.8
82.5°	58.0
85°	34.2
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)