

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: P774058

Luminaire Tested: LD6D90BD010-EU6DR7070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774058
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: LD6D90BD010-EU6DR7070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8697.0 lumens
Efficiency: N/A
Efficacy: 87.9 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

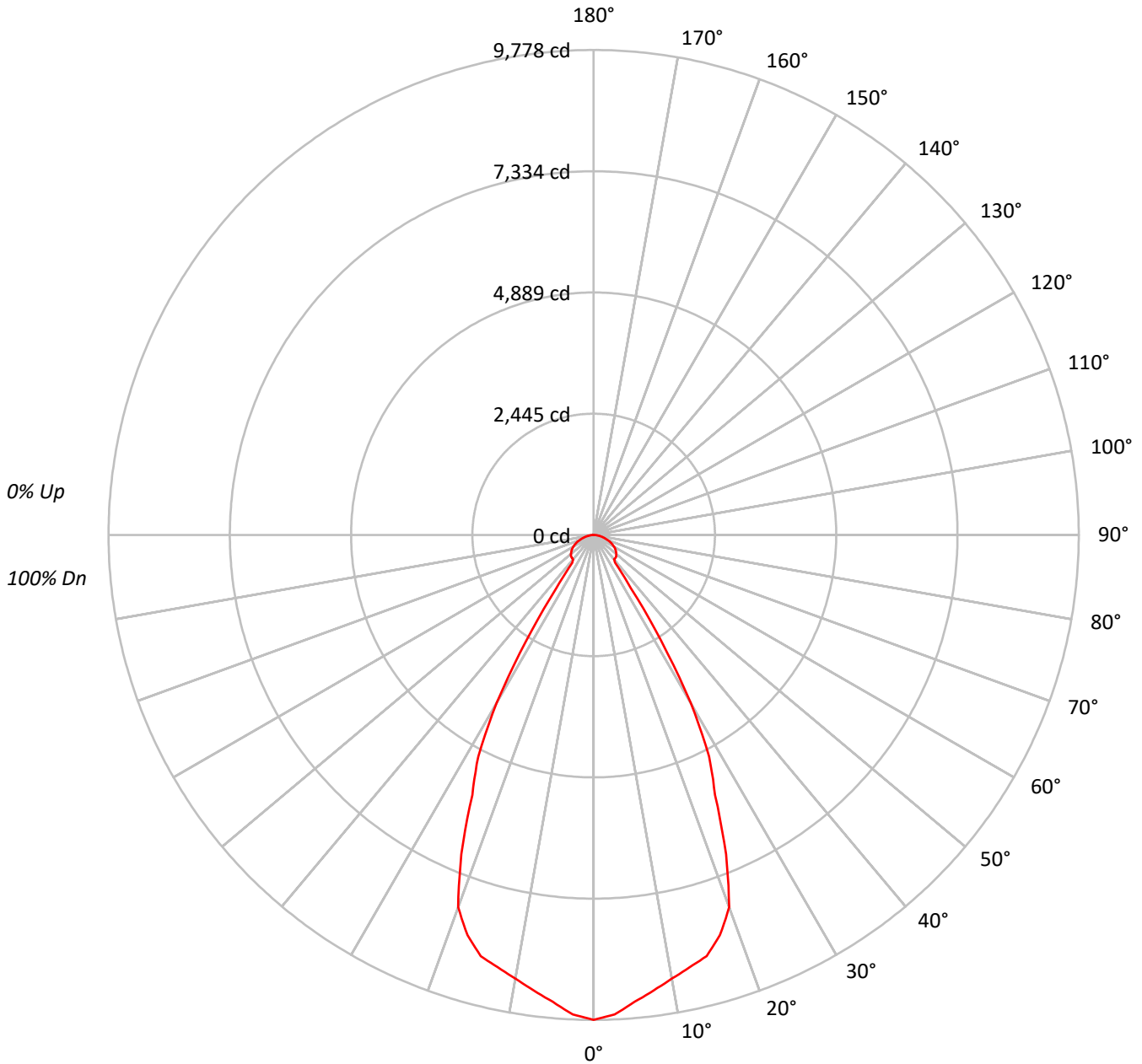
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P774058
CATALOG NUMBER: LD6D90BD010-EU6DR7070959035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774058
 CATALOG NUMBER: LD6D90BD010-EU6DR7070959035-6LBDP1MW

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	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°	1068352
5°	1036612
10°	1007714
15°	994485
20°	928648
25°	697645
30°	493173
35°	174691
40°	91854
45°	97841
50°	101308
55°	103208
60°	103863
65°	101655
70°	95933
75°	88863
80°	78903
85°	64060

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 103892 cd/sqm



TEST NUMBER: P774058

CATALOG NUMBER: LD6D90BD010-EU6DR7070959035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	891.5	10.3
10°-20°	2445.2	28.1
20°-30°	2693.1	31.0
30°-40°	1029.0	11.8
40°-50°	485.9	5.6
50°-60°	483.0	5.6
60°-70°	386.7	4.4
70°-80°	222.3	2.6
80°-90°	60.4	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°	6029.8	69.3
0°-40°	7058.8	81.2
0°-60°	8027.6	92.3
0°-90°	8697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9778	
5°	9451	891
15°	8792	2445
25°	5787	2693
35°	1310	1029
45°	633	486
55°	542	483
65°	393	387
75°	210	222
85°	51	60
90°	0	



TEST NUMBER: P774058

CATALOG NUMBER: LD6D90BD010-EU6DR7070959035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9778.0
2.5°	9675.8
5°	9451.4
7.5°	9264.0
10°	9082.9
12.5°	8929.6
15°	8791.8
17.5°	8459.0
20°	7986.8
22.5°	6968.1
25°	5786.9
27.5°	5037.6
30°	3909.0
32.5°	2525.0
35°	1309.7
37.5°	707.5
40°	644.0
42.5°	639.4
45°	633.2
47.5°	619.3
50°	596.0
52.5°	569.7
55°	541.8
57.5°	510.9
60°	475.3
62.5°	435.0
65°	393.2
67.5°	346.8
70°	300.3
72.5°	253.9
75°	210.5
77.5°	165.7
80°	125.4
82.5°	88.2
85°	51.1
87.5°	20.1
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)