

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: P772341

Luminaire Tested: LD6D80BD010-EU6DR6070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772341
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: LD6D80BD010-EU6DR6070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10284.6 lumens
Efficiency: N/A
Efficacy: 130.3 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

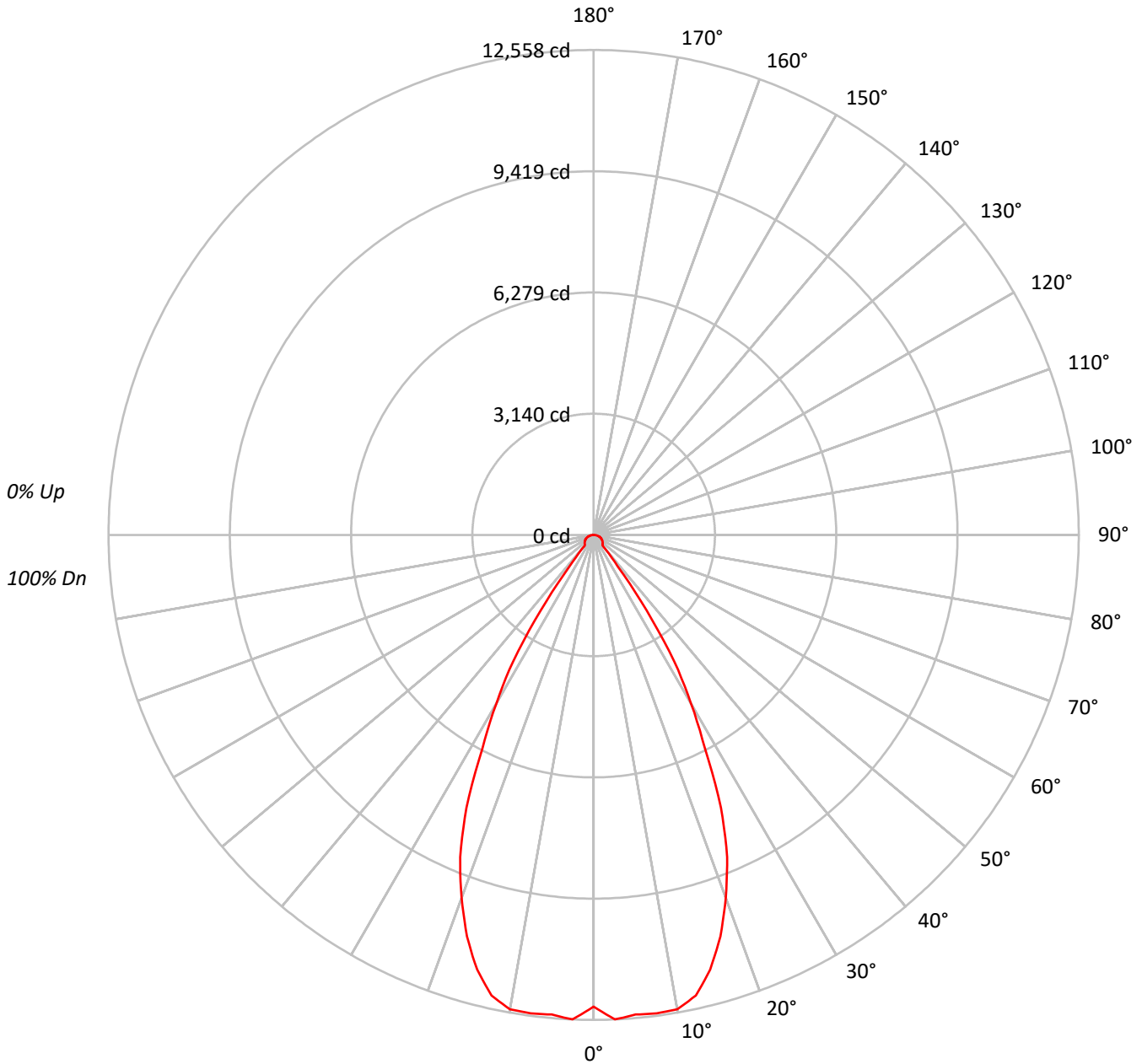
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P772341
CATALOG NUMBER: LD6D80BD010-EU6DR6070959035-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P772341

CATALOG NUMBER: LD6D80BD010-EU6DR6070959035-6LBDP1LI

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°	1334533
5°	1367357
10°	1383866
15°	1318322
20°	1162357
25°	940143
30°	635927
35°	318665
40°	51689
45°	50605
50°	51606
55°	52385
60°	53844
65°	55068
70°	56352
75°	57033
80°	54993
85°	45883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 57033 cd/sqm



TEST NUMBER: P772341

CATALOG NUMBER: LD6D80BD010-EU6DR6070959035-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1191.5	11.6
10°-20°	3223.7	31.3
20°-30°	3468.5	33.7
30°-40°	1507.7	14.7
40°-50°	253.2	2.5
50°-60°	246.2	2.4
60°-70°	210.6	2.0
70°-80°	140.9	1.4
80°-90°	42.2	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°	7883.8	76.7
0°-40°	9391.5	91.3
0°-60°	9890.9	96.2
0°-90°	10284.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10284.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12214	
5°	12467	###
15°	11655	3224
25°	7798	3468
35°	2389	1508
45°	328	253
55°	275	246
65°	213	211
75°	135	141
85°	37	42
90°	0	



TEST NUMBER: P772341

CATALOG NUMBER: LD6D80BD010-EU6DR6070959035-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	12214.2
2.5°	12557.6
5°	12467.0
7.5°	12495.6
10°	12473.3
12.5°	12215.8
15°	11654.7
17.5°	10901.2
20°	9996.8
22.5°	9028.7
25°	7798.4
27.5°	6237.5
30°	5040.5
32.5°	3884.9
35°	2389.1
37.5°	1022.1
40°	362.4
42.5°	333.8
45°	327.5
47.5°	316.3
50°	303.6
52.5°	289.3
55°	275.0
57.5°	260.7
60°	246.4
62.5°	230.5
65°	213.0
67.5°	195.5
70°	176.4
72.5°	155.8
75°	135.1
77.5°	111.3
80°	87.4
82.5°	62.0
85°	36.6
87.5°	12.7
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)