

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: P746918

Luminaire Tested: LD4D35BD010-EU4DR4020359027-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR4020359027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3238.2 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

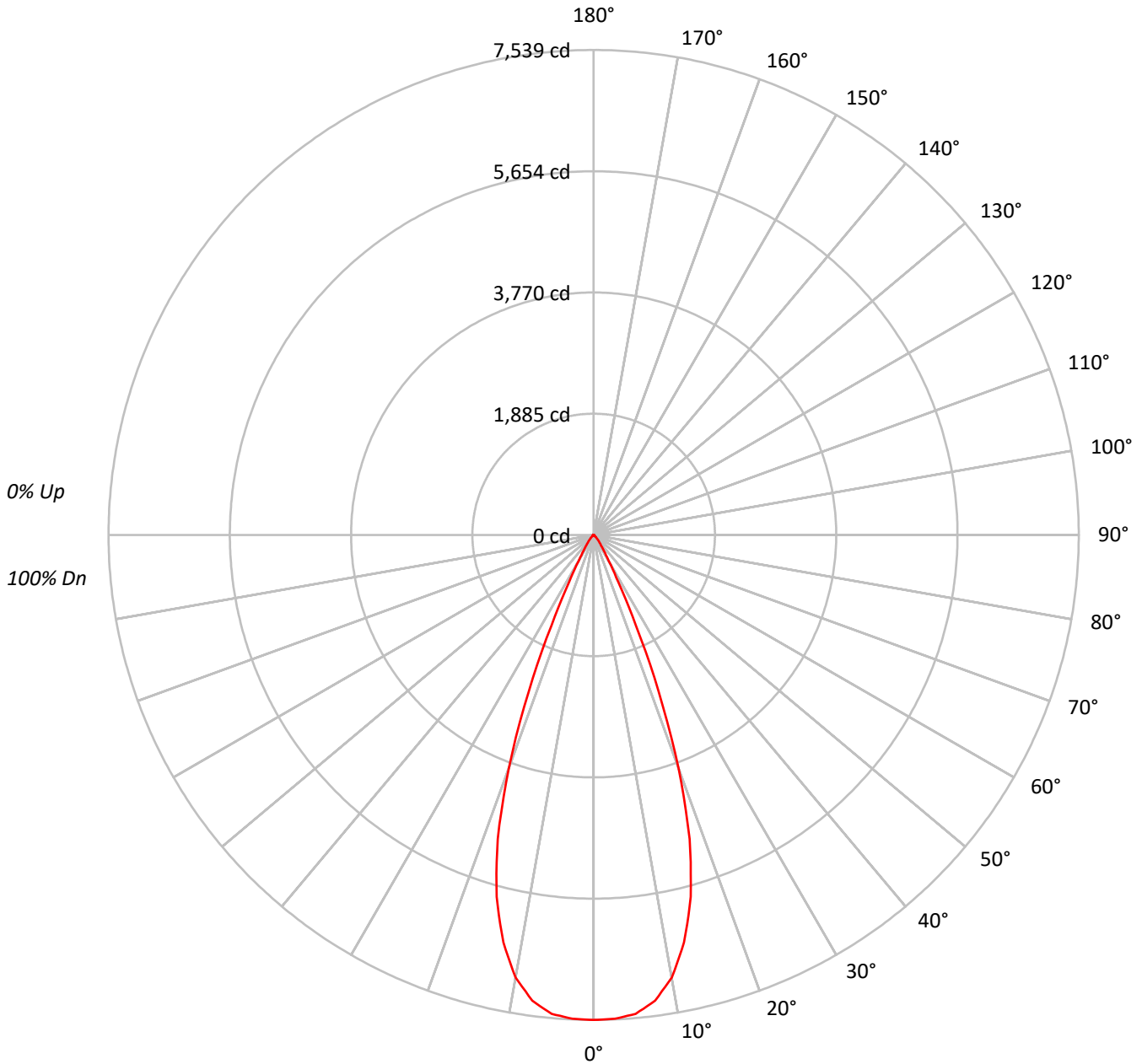
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P746918
CATALOG NUMBER: LD4D35BD010-EU4DR4020359027-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P746918
 CATALOG NUMBER: LD4D35BD010-EU4DR4020359027-4LBDP1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96				
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92				
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88				
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84				
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81				
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77				
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74				
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72				
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69				
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	823761
5°	819756
10°	774849
15°	658714
20°	448964
25°	187332
30°	58906
35°	27370
40°	15133
45°	6938
50°	3366
55°	1848
60°	961
65°	336
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6938 cd/sqm



TEST NUMBER: P746918

CATALOG NUMBER: LD4D35BD010-EU4DR4020359027-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.9	21.6
10°-20°	1563.5	48.3
20°-30°	782.6	24.2
30°-40°	143.5	4.4
40°-50°	39.6	1.2
50°-60°	9.3	0.3
60°-70°	1.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	3044.0	94.0
0°-40°	3187.5	98.4
0°-60°	3236.4	99.9
0°-90°	3238.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3238.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7539	
5°	7474	698
15°	5823	1563
25°	1554	783
35°	205	143
45°	45	40
55°	10	9
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P746918

CATALOG NUMBER: LD4D35BD010-EU4DR4020359027-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7539.4
2.5°	7528.3
5°	7474.2
7.5°	7301.5
10°	6984.0
12.5°	6488.9
15°	5823.4
17.5°	4958.0
20°	3861.3
22.5°	2632.5
25°	1553.9
27.5°	821.4
30°	466.9
32.5°	301.7
35°	205.2
37.5°	146.7
40°	106.1
42.5°	72.7
45°	44.9
47.5°	28.6
50°	19.8
52.5°	14.1
55°	9.7
57.5°	6.2
60°	4.4
62.5°	2.6
65°	1.3
67.5°	0.9
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)