

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: P740197

Luminaire Tested: LD4D05D010-EU4DR350210IC9035-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P740197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D05D010-EU4DR350210IC9035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 549.1 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (Ain): 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

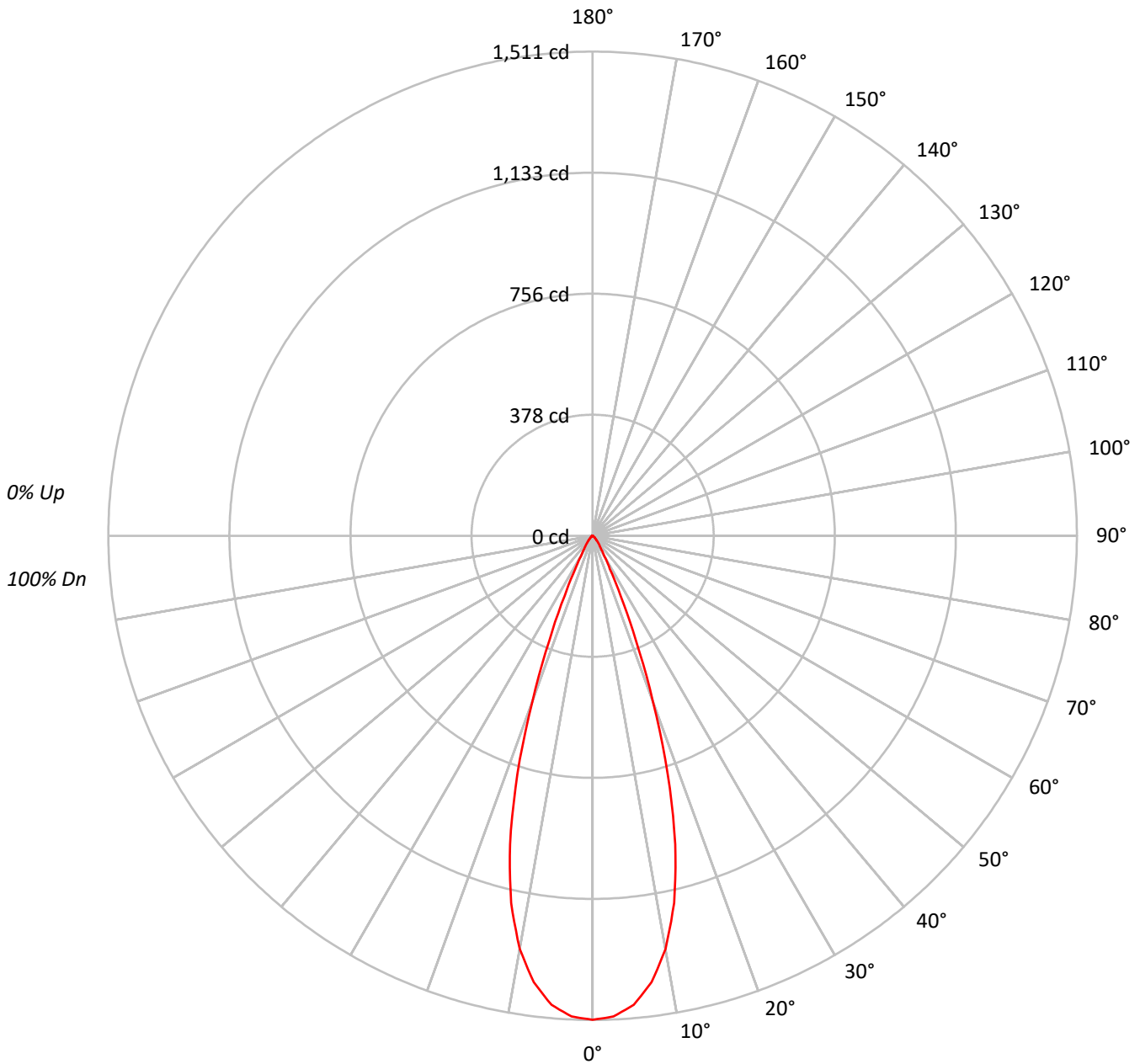


Downlight



TEST NUMBER: P740197
CATALOG NUMBER: LD4D05D010-EU4DR350210IC9035-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P740197
 CATALOG NUMBER: LD4D05D010-EU4DR350210IC9035-4LBSQW1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165049
5°	161172
10°	145262
15°	112742
20°	63950
25°	24883
30°	9286
35°	5095
40°	3323
45°	2024
50°	1292
55°	914
60°	656
65°	362
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2024 cd/sqm



TEST NUMBER: P740197

CATALOG NUMBER: LD4D05D010-EU4DR350210IC9035-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	24.6
10°-20°	263.9	48.1
20°-30°	107.6	19.6
30°-40°	25.8	4.7
40°-50°	10.7	2.0
50°-60°	4.4	0.8
60°-70°	1.4	0.3
70°-80°	0.0	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°	506.7	92.3
0°-40°	532.4	97.0
0°-60°	547.6	99.7
0°-90°	549.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1511	
5°	1470	135
15°	997	264
25°	206	108
35°	38	26
45°	13	11
55°	5	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P740197

CATALOG NUMBER: LD4D05D010-EU4DR350210IC9035-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1510.6
2.5°	1501.6
5°	1469.5
7.5°	1405.6
10°	1309.3
12.5°	1173.7
15°	996.7
17.5°	780.3
20°	550.0
22.5°	350.7
25°	206.4
27.5°	116.7
30°	73.6
32.5°	51.7
35°	38.2
37.5°	29.5
40°	23.3
42.5°	17.9
45°	13.1
47.5°	9.8
50°	7.6
52.5°	6.0
55°	4.8
57.5°	3.9
60°	3.0
62.5°	2.2
65°	1.4
67.5°	0.5
70°	0.1
72.5°	0.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.1
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)