

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: P740579

Luminaire Tested: LD4D05D010-EU4DR600210IC9035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740579
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: LD4D05D010-EU4DR600210IC9035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 529.7 lumens
Efficiency: N/A
Efficacy: 70.6 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): 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

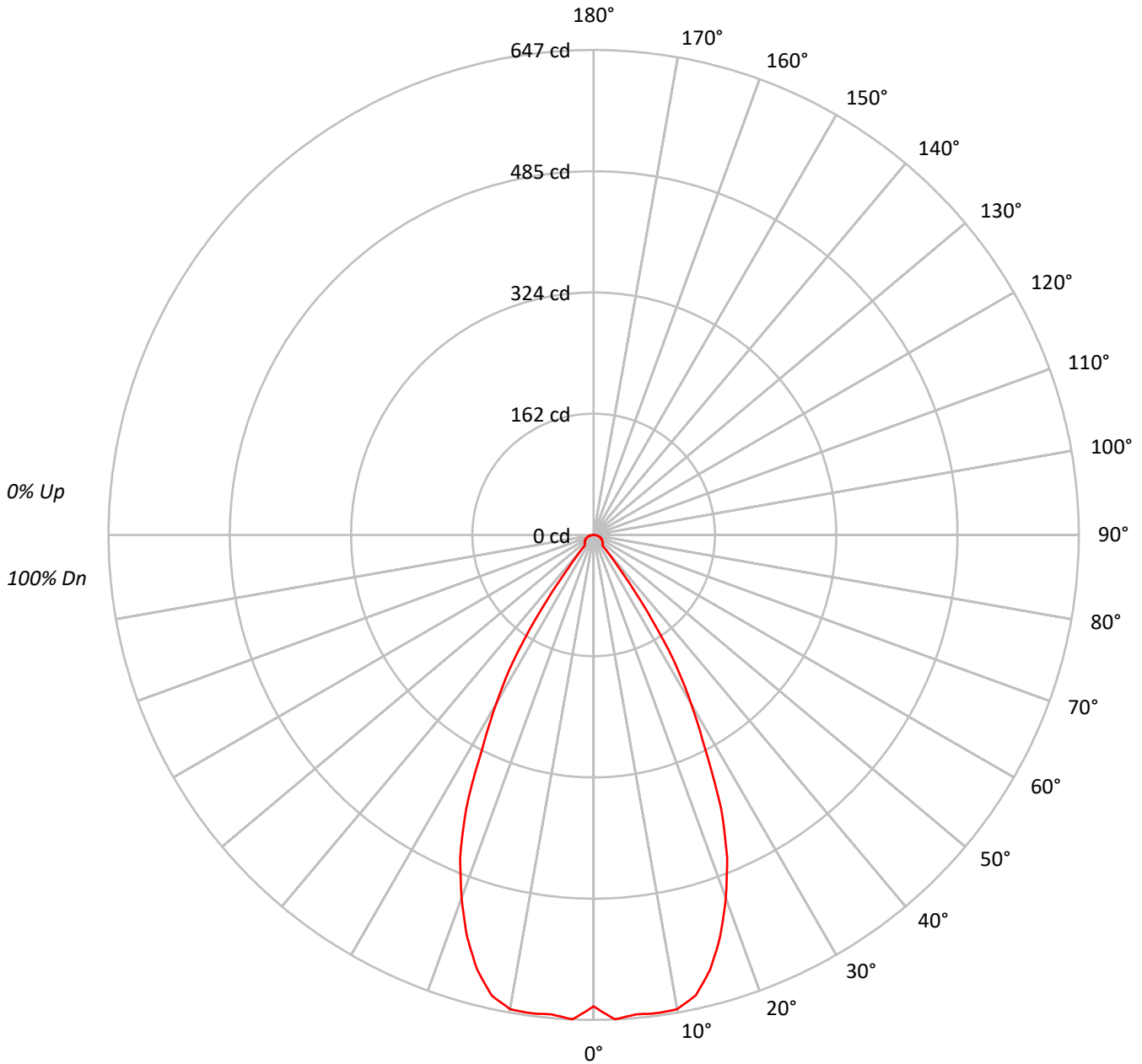


Downlight



TEST NUMBER: P740579
CATALOG NUMBER: LD4D05D010-EU4DR600210IC9035-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P740579

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9035-4LBDP1B

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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68736
5°	70424
10°	71272
15°	67903
20°	59869
25°	48415
30°	32752
35°	16419
40°	2667
45°	2596
50°	2652
55°	2705
60°	2775
65°	2818
70°	2907
75°	2913
80°	2831
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 2913 cd/sqm



TEST NUMBER: P740579

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9035-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	11.6
10°-20°	166.0	31.3
20°-30°	178.7	33.7
30°-40°	77.7	14.7
40°-50°	13.0	2.5
50°-60°	12.7	2.4
60°-70°	10.8	2.0
70°-80°	7.2	1.4
80°-90°	2.2	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°	406.1	76.7
0°-40°	483.7	91.3
0°-60°	509.5	96.2
0°-90°	529.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	629	
5°	642	61
15°	600	166
25°	402	179
35°	123	78
45°	17	13
55°	14	13
65°	11	11
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P740579

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9035-4LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	629.1
2.5°	646.8
5°	642.1
7.5°	643.6
10°	642.4
12.5°	629.2
15°	600.3
17.5°	561.5
20°	514.9
22.5°	465.1
25°	401.6
27.5°	321.3
30°	259.6
32.5°	200.1
35°	123.1
37.5°	52.7
40°	18.7
42.5°	17.2
45°	16.8
47.5°	16.3
50°	15.6
52.5°	14.9
55°	14.2
57.5°	13.4
60°	12.7
62.5°	11.9
65°	10.9
67.5°	10.1
70°	9.1
72.5°	8.0
75°	6.9
77.5°	5.7
80°	4.5
82.5°	3.2
85°	1.9
87.5°	0.6
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)