

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: P740556

Luminaire Tested: LD4D05D010-EU4DR600210IC9027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740556
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-EU4DR600210IC9027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 558.9 lumens
Efficiency: N/A
Efficacy: 74.5 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 (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

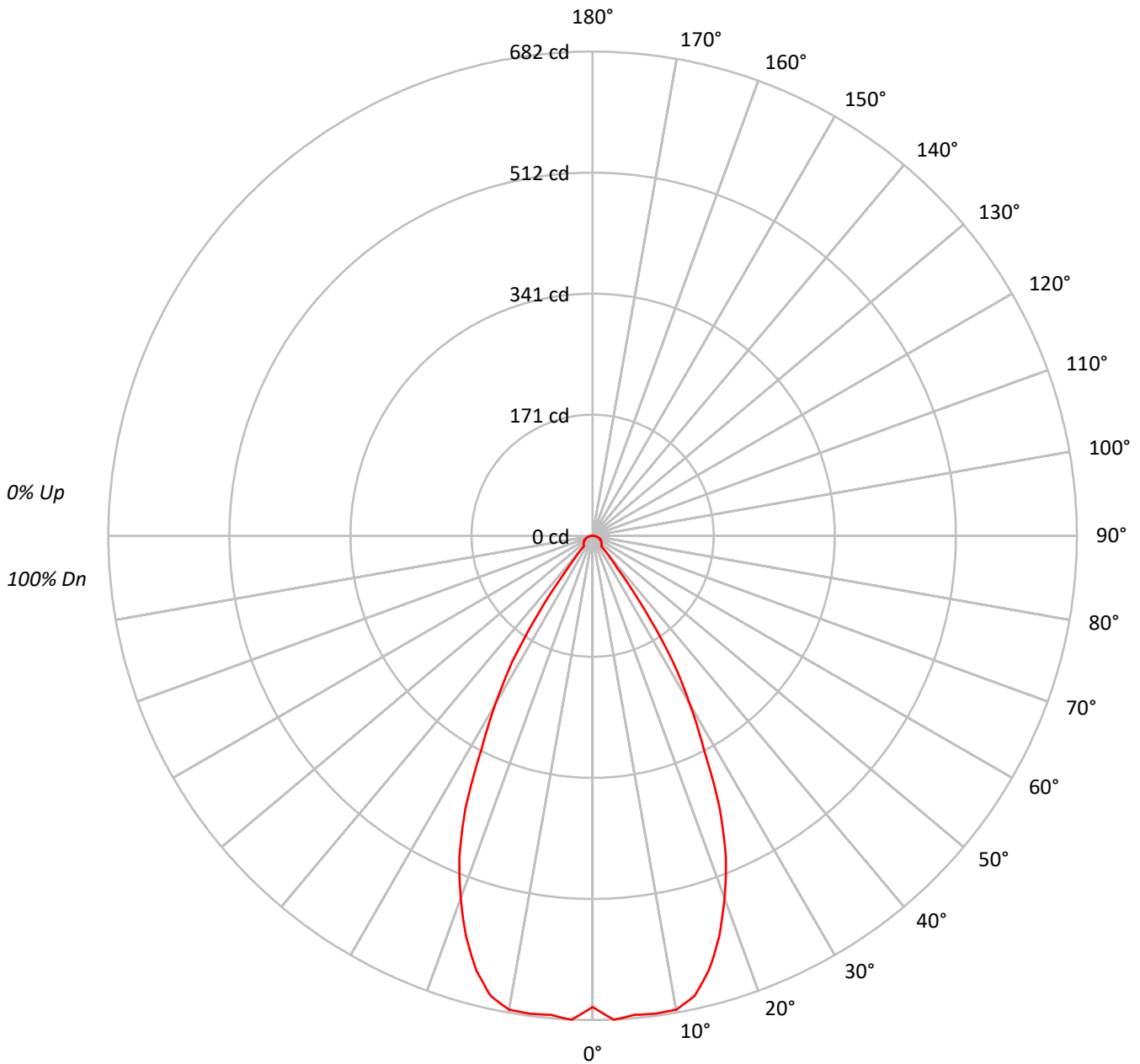


Downlight



TEST NUMBER: P740556
CATALOG NUMBER: LD4D05D010-EU4DR600210IC9027-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P740556

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9027-4LBDP1MW

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°	72516
5°	74307
10°	75199
15°	71636
20°	63159
25°	51092
30°	34556
35°	17313
40°	2810
45°	2750
50°	2805
55°	2857
60°	2928
65°	2999
70°	3067
75°	3082
80°	3020
85°	2507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 72.5°
 Luminance: 3088 cd/sqm



TEST NUMBER: P740556

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9027-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	11.6
10°-20°	175.2	31.3
20°-30°	188.5	33.7
30°-40°	81.9	14.7
40°-50°	13.8	2.5
50°-60°	13.4	2.4
60°-70°	11.4	2.0
70°-80°	7.7	1.4
80°-90°	2.3	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°	428.4	76.6
0°-40°	510.3	91.3
0°-60°	537.5	96.2
0°-90°	558.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	664	
5°	678	65
15°	633	175
25°	424	188
35°	130	82
45°	18	14
55°	15	13
65°	12	11
75°	7	8
85°	2	2
90°	0	



TEST NUMBER: P740556

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9027-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	663.7
2.5°	682.4
5°	677.5
7.5°	679.0
10°	677.8
12.5°	663.8
15°	633.3
17.5°	592.4
20°	543.2
22.5°	490.6
25°	423.8
27.5°	339.0
30°	273.9
32.5°	211.1
35°	129.8
37.5°	55.5
40°	19.7
42.5°	18.2
45°	17.8
47.5°	17.2
50°	16.5
52.5°	15.7
55°	15.0
57.5°	14.2
60°	13.4
62.5°	12.5
65°	11.6
67.5°	10.6
70°	9.6
72.5°	8.5
75°	7.3
77.5°	6.1
80°	4.8
82.5°	3.4
85°	2.0
87.5°	0.7
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)