

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: P745856

Luminaire Tested: LD4D30D010-EU4DR2015309035-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR2015309035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3153.7 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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

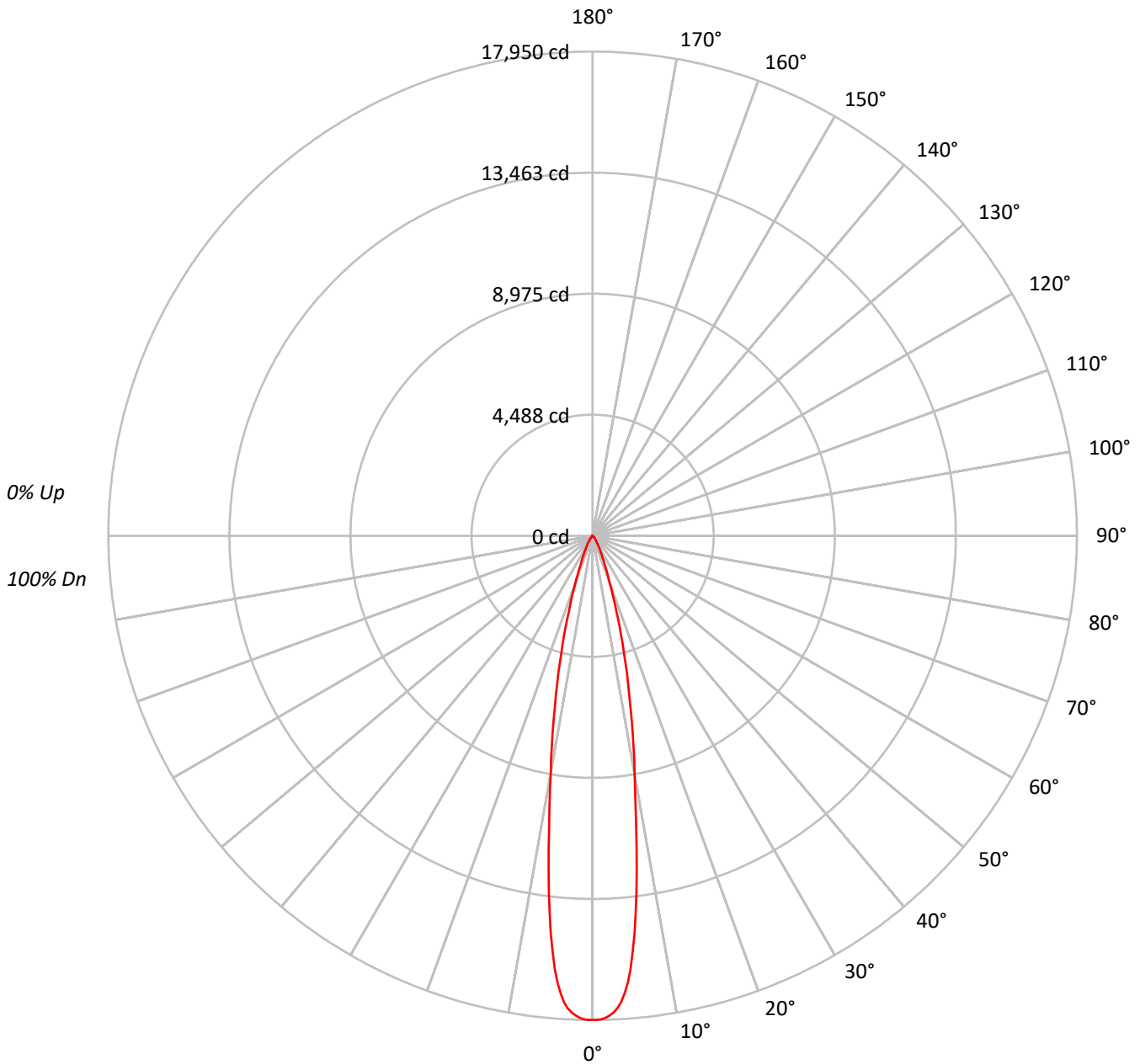


Downlight



TEST NUMBER: P745856
CATALOG NUMBER: LD4D30D010-EU4DR2015309035-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P745856

CATALOG NUMBER: LD4D30D010-EU4DR2015309035-4LBS1H

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	98	96	95	94															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	95	93	92	91															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	93	91	89	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	91	88	86	85															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	88	86	84	83															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	86	84	82	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	84	82	80	79															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	82	80	78	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	81	78	76	75															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1961231
5°	1769404
10°	993080
15°	504799
20°	213733
25°	98663
30°	52232
35°	28144
40°	15047
45°	8885
50°	5167
55°	2743
60°	1748
65°	1241
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8885 cd/sqm



TEST NUMBER: P745856

CATALOG NUMBER: LD4D30D010-EU4DR2015309035-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1278.0	40.5
10°-20°	1258.4	39.9
20°-30°	411.1	13.0
30°-40°	140.0	4.4
40°-50°	47.1	1.5
50°-60°	14.2	0.4
60°-70°	4.7	0.1
70°-80°	0.2	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°	2947.6	93.5
0°-40°	3087.5	97.9
0°-60°	3148.8	99.8
0°-90°	3153.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3153.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17950	
5°	16133	###
15°	4463	1258
25°	818	411
35°	211	140
45°	58	47
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P745856

CATALOG NUMBER: LD4D30D010-EU4DR2015309035-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	17950.0
0.5°	17950.0
1°	17927.7
1.5°	17882.9
2°	17801.4
2.5°	17692.7
3°	17539.2
3.5°	17325.1
4°	17007.0
4.5°	16620.2
5°	16132.7
5.5°	15491.7
6°	14834.8
6.5°	14081.9
7°	13345.0
7.5°	12481.9
8°	11711.5
8.5°	10936.3
9°	10220.2
9.5°	9563.2
10°	8951.0
12.5°	6427.2
15°	4462.7
17.5°	2915.5
20°	1838.2
22.5°	1190.8
25°	818.4
27.5°	575.4
30°	414.0
32.5°	297.3
35°	211.0
37.5°	147.1
40°	105.5
42.5°	76.7
45°	57.5
47.5°	44.8
50°	30.4
52.5°	19.2
55°	14.4
57.5°	11.2
60°	8.0
62.5°	6.4
65°	4.8



TEST NUMBER: P745856
CATALOG NUMBER: LD4D30D010-EU4DR2015309035-4LBS1H

CANDELA DISTRIBUTION (continued):

	0°
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





67.5°		3.2
70°		1.6

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)