

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: P751156

Luminaire Tested: LD4D60D010-EU4DR6055659035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751156
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: LD4D60D010-EU4DR6055659035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6097.3 lumens
Efficiency: N/A
Efficacy: 94.7 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): 64.4
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

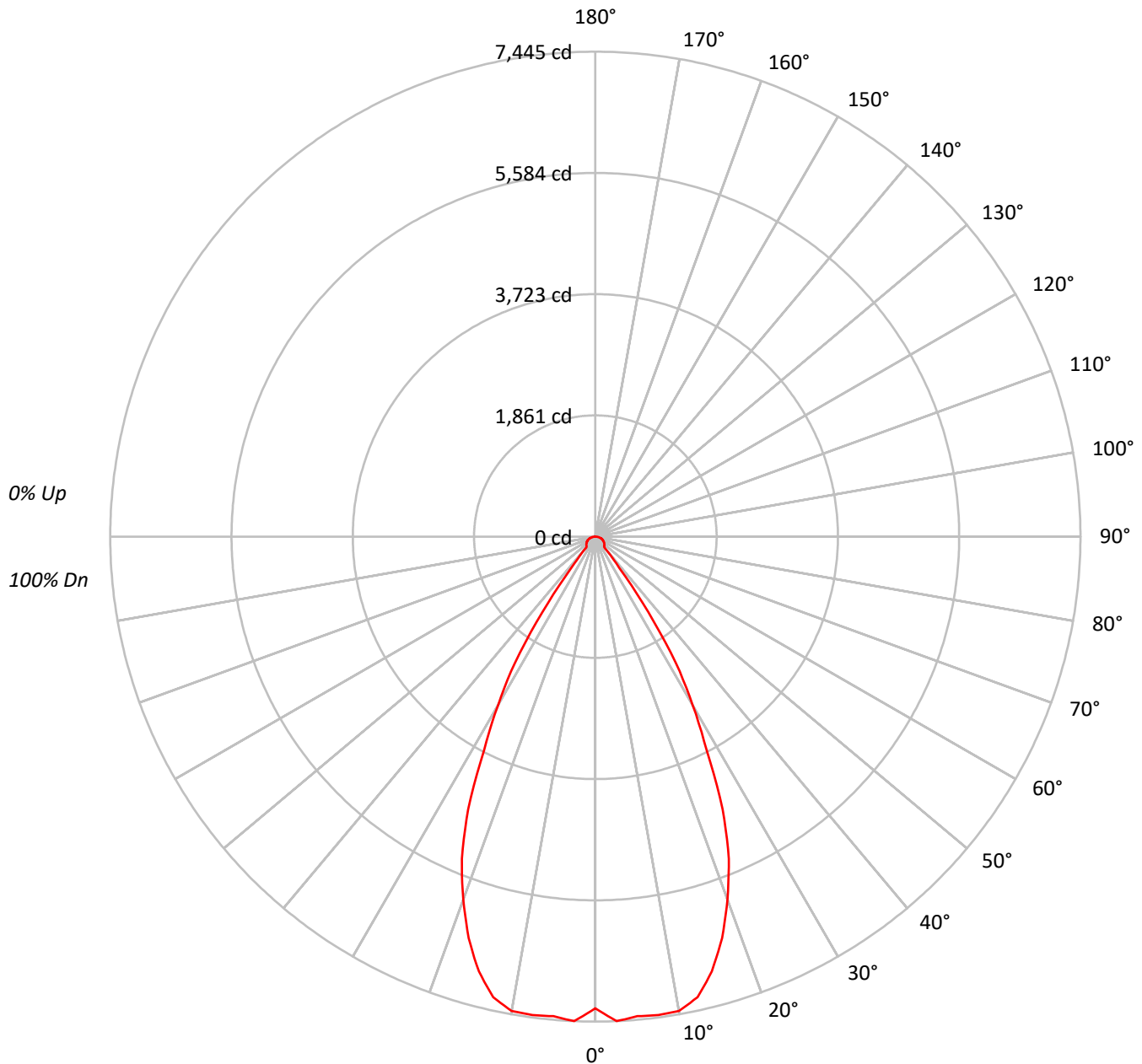


Downlight

TEST NUMBER: P751156

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P751156

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	791190
5°	810653
10°	820448
15°	781580
20°	689114
25°	557378
30°	377014
35°	188923
40°	30651
45°	29992
50°	30596
55°	31050
60°	31926
65°	32653
70°	33415
75°	33814
80°	32593
85°	27204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 33814 cd/sqm



TEST NUMBER: P751156

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.4	11.6
10°-20°	1911.2	31.3
20°-30°	2056.3	33.7
30°-40°	893.9	14.7
40°-50°	150.1	2.5
50°-60°	146.0	2.4
60°-70°	124.8	2.0
70°-80°	83.6	1.4
80°-90°	25.0	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°	4674.0	76.7
0°-40°	5567.8	91.3
0°-60°	5863.9	96.2
0°-90°	6097.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6097.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7241	
5°	7391	706
15°	6910	1911
25°	4623	2056
35°	1416	894
45°	194	150
55°	163	146
65°	126	125
75°	80	84
85°	22	25
90°	0	



TEST NUMBER: P751156

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	7241.3
2.5°	7444.9
5°	7391.2
7.5°	7408.1
10°	7395.0
12.5°	7242.3
15°	6909.6
17.5°	6462.9
20°	5926.7
22.5°	5352.8
25°	4623.4
27.5°	3697.9
30°	2988.3
32.5°	2303.2
35°	1416.4
37.5°	606.0
40°	214.9
42.5°	197.9
45°	194.1
47.5°	187.5
50°	180.0
52.5°	171.5
55°	163.0
57.5°	154.6
60°	146.1
62.5°	136.6
65°	126.3
67.5°	115.9
70°	104.6
72.5°	92.4
75°	80.1
77.5°	66.0
80°	51.8
82.5°	36.8
85°	21.7
87.5°	7.5
90°	0.0



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





— 0°-180°







(END OF REPORT)