

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: P750783

Luminaire Tested: LD4D60D010-EU4DR3555659040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750783
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: LD4D60D010-EU4DR3555659040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6398.9 lumens
Efficiency: N/A
Efficacy: 99.4 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): 64.4
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

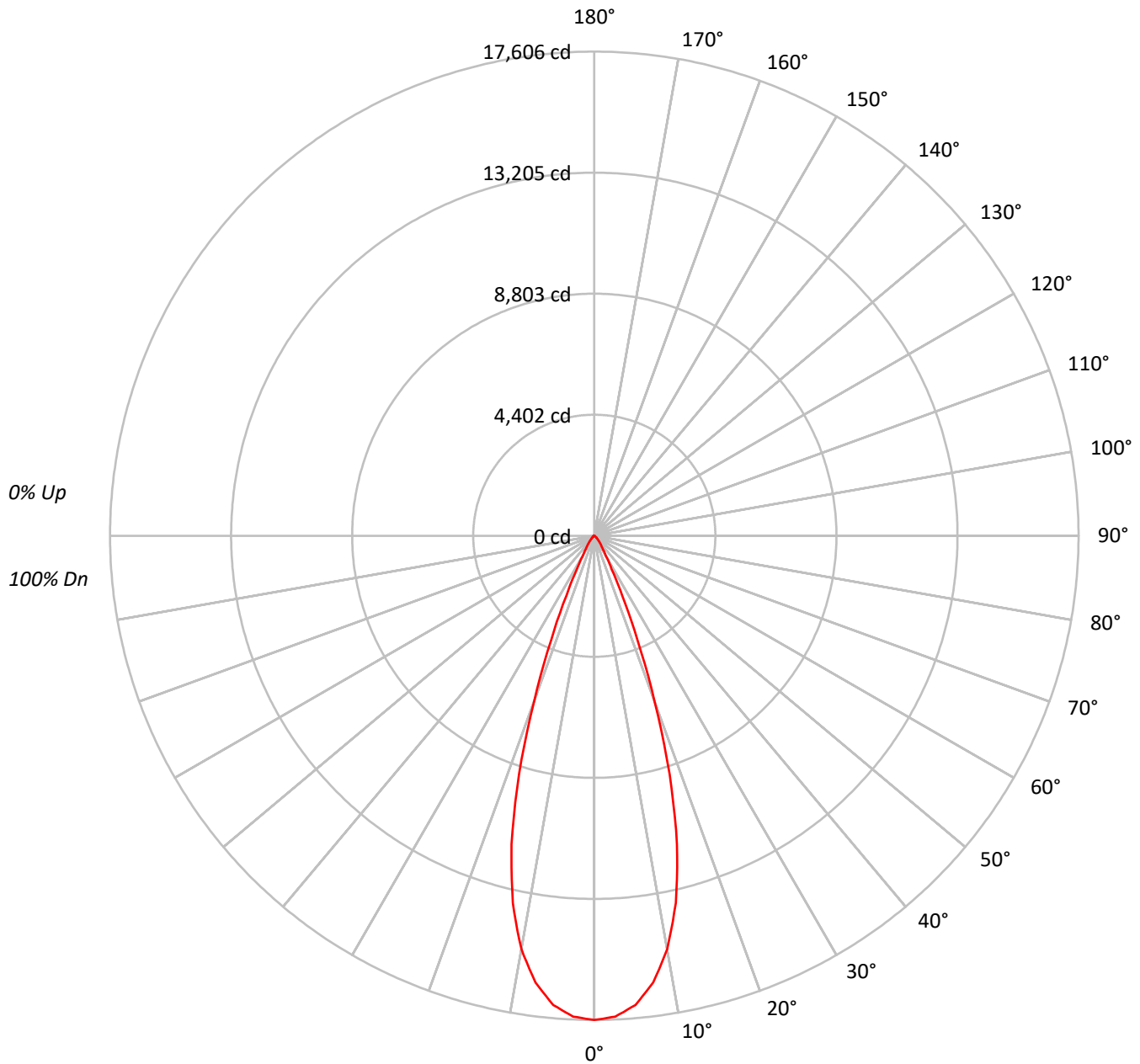


Downlight

TEST NUMBER: P750783

CATALOG NUMBER: LD4D60D010-EU4DR3555659040-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P750783

CATALOG NUMBER: LD4D60D010-EU4DR3555659040-4LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	1923699
5°	1878501
10°	1693029
15°	1314058
20°	745321
25°	289961
30°	108173
35°	59302
40°	38753
45°	23595
50°	15009
55°	10610
60°	7758
65°	4214
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23595 cd/sqm



TEST NUMBER: P750783

CATALOG NUMBER: LD4D60D010-EU4DR3555659040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1575.2	24.6
10°-20°	3075.5	48.1
20°-30°	1254.3	19.6
30°-40°	300.2	4.7
40°-50°	125.1	2.0
50°-60°	51.8	0.8
60°-70°	16.2	0.3
70°-80°	0.4	0.0
80°-90°	0.3	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°	5905.0	92.3
0°-40°	6205.2	97.0
0°-60°	6382.1	99.7
0°-90°	6398.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6398.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17606	
5°	17127	###
15°	11617	3076
25°	2405	1254
35°	445	300
45°	153	125
55°	56	52
65°	16	16
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P750783

CATALOG NUMBER: LD4D60D010-EU4DR3555659040-4LBS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	17606.5
2.5°	17500.9
5°	17127.4
7.5°	16382.3
10°	15259.9
12.5°	13679.5
15°	11617.0
17.5°	9094.7
20°	6410.1
22.5°	4087.4
25°	2405.2
27.5°	1359.6
30°	857.4
32.5°	602.0
35°	444.6
37.5°	343.7
40°	271.7
42.5°	209.3
45°	152.7
47.5°	114.3
50°	88.3
52.5°	70.1
55°	55.7
57.5°	45.1
60°	35.5
62.5°	25.9
65°	16.3
67.5°	5.8
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)