

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: P780519

Luminaire Tested: LER4D25D010-EC4DR4020359030-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P780519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D25D010-EC4DR4020359030-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2487.4 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



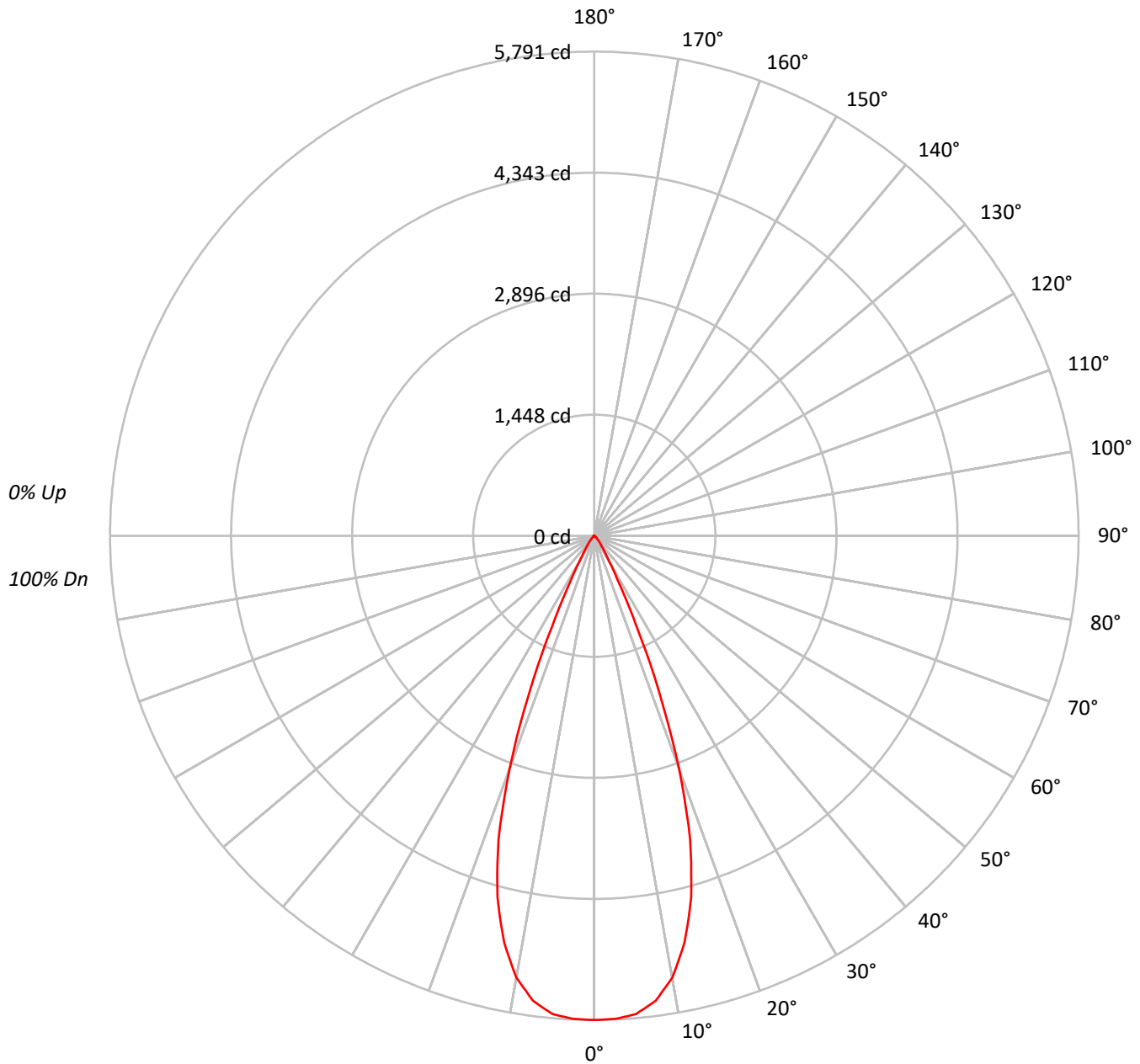
Downlight



TEST NUMBER: P780519

CATALOG NUMBER: LER4D25D010-EC4DR4020359030-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P780519

CATALOG NUMBER: LER4D25D010-EC4DR4020359030-4LBS1MW

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108	112	110	108	107		106	105	103		103	101	100		99	98	97
2	110	106	103	100	108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94	104	100	96	93		97	94	92		95	93	90		93	91	89
4	102	97	92	89	101	95	91	88		93	90	87		92	89	86		90	87	85
5	99	92	88	84	97	91	87	84		90	86	83		88	85	83		87	84	82
6	95	88	84	80	94	88	83	80		86	82	80		85	82	79		84	81	79
7	92	85	80	77	91	84	80	77		83	79	76		82	79	76		81	78	76
8	89	82	77	74	88	81	77	74		80	76	73		79	76	73		78	75	73
9	86	79	74	71	85	78	74	71		77	73	71		77	73	70		76	72	70
10	83	76	71	68	82	75	71	68		75	71	68		74	70	68		73	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	632773
5°	629706
10°	595205
15°	505998
20°	344877
25°	143896
30°	45242
35°	21034
40°	11624
45°	5331
50°	2584
55°	1410
60°	743
65°	259
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5331 cd/sqm



TEST NUMBER: P780519

CATALOG NUMBER: LER4D25D010-EC4DR4020359030-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.1	21.6
10°-20°	1201.0	48.3
20°-30°	601.2	24.2
30°-40°	110.2	4.4
40°-50°	30.4	1.2
50°-60°	7.1	0.3
60°-70°	1.4	0.1
70°-80°	0.0	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°	2338.3	94.0
0°-40°	2448.5	98.4
0°-60°	2486.0	99.9
0°-90°	2487.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2487.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5791	
5°	5741	536
15°	4473	1201
25°	1194	601
35°	158	110
45°	34	30
55°	7	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P780519

CATALOG NUMBER: LER4D25D010-EC4DR4020359030-4LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5791.4
2.5°	5783.0
5°	5741.4
7.5°	5608.7
10°	5364.8
12.5°	4984.5
15°	4473.3
17.5°	3808.5
20°	2966.1
22.5°	2022.2
25°	1193.6
27.5°	631.0
30°	358.6
32.5°	231.8
35°	157.7
37.5°	112.6
40°	81.5
42.5°	55.8
45°	34.5
47.5°	22.0
50°	15.2
52.5°	10.8
55°	7.4
57.5°	4.8
60°	3.4
62.5°	2.0
65°	1.0
67.5°	0.7
70°	0.3
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)