

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: P779392

Luminaire Tested: LER4D08D010-EC4DR600210IC9035-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D08D010-EC4DR600210IC9035-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 780.6 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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



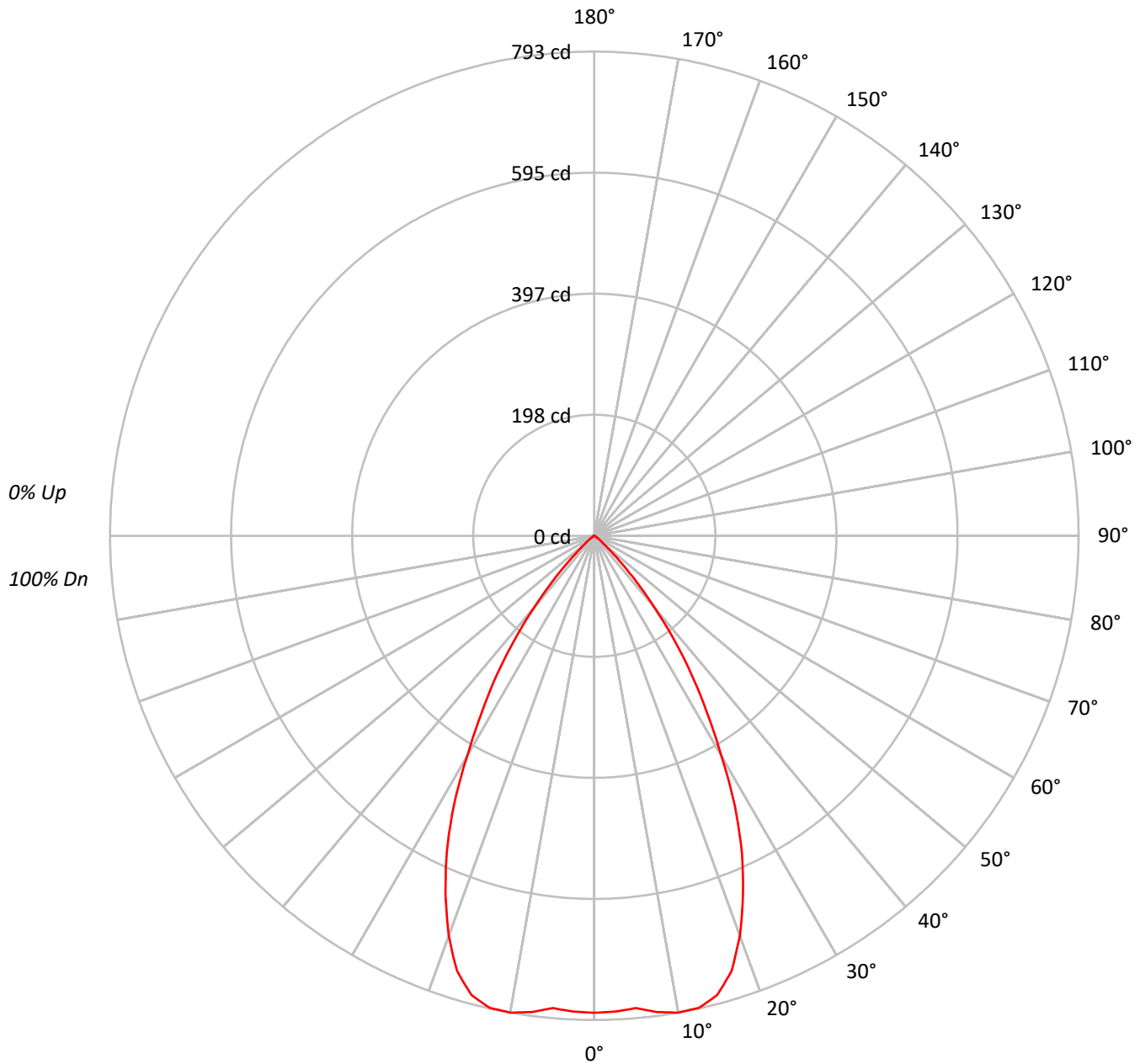
Downlight



TEST NUMBER: P779392

CATALOG NUMBER: LER4D08D010-EC4DR600210IC9035-4LBS1B

Luminous Intensity Polar Plot



TEST NUMBER: P779392

CATALOG NUMBER: LER4D08D010-EC4DR600210IC9035-4LBS1B

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	87	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	63	82	73	67	63	72	67	63		71	66	63		69
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85355
5°	85143
10°	87969
15°	88060
20°	81031
25°	68922
30°	52509
35°	37134
40°	21808
45°	8808
50°	2941
55°	1410
60°	568
65°	78
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8808 cd/sqm



TEST NUMBER: P779392

CATALOG NUMBER: LER4D08D010-EC4DR600210IC9035-4LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	9.6
10°-20°	215.7	27.6
20°-30°	258.1	33.1
30°-40°	172.7	22.1
40°-50°	51.2	6.6
50°-60°	7.4	0.9
60°-70°	0.7	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°	548.7	70.3
0°-40°	721.4	92.4
0°-60°	779.9	99.9
0°-90°	780.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	781	
5°	776	75
15°	778	216
25°	572	258
35°	278	173
45°	57	51
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P779392

CATALOG NUMBER: LER4D08D010-EC4DR600210IC9035-4LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	781.2
2.5°	780.2
5°	776.3
7.5°	786.8
10°	792.9
12.5°	791.8
15°	778.5
17.5°	747.2
20°	696.9
22.5°	636.5
25°	571.7
27.5°	498.6
30°	416.2
32.5°	342.7
35°	278.4
37.5°	214.1
40°	152.9
42.5°	100.8
45°	57.0
47.5°	29.2
50°	17.3
52.5°	11.2
55°	7.4
57.5°	4.8
60°	2.6
62.5°	1.1
65°	0.3
67.5°	0.1
70°	0.0
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)