

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: P1320099

Luminaire Tested: LDSQA3D13R259840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

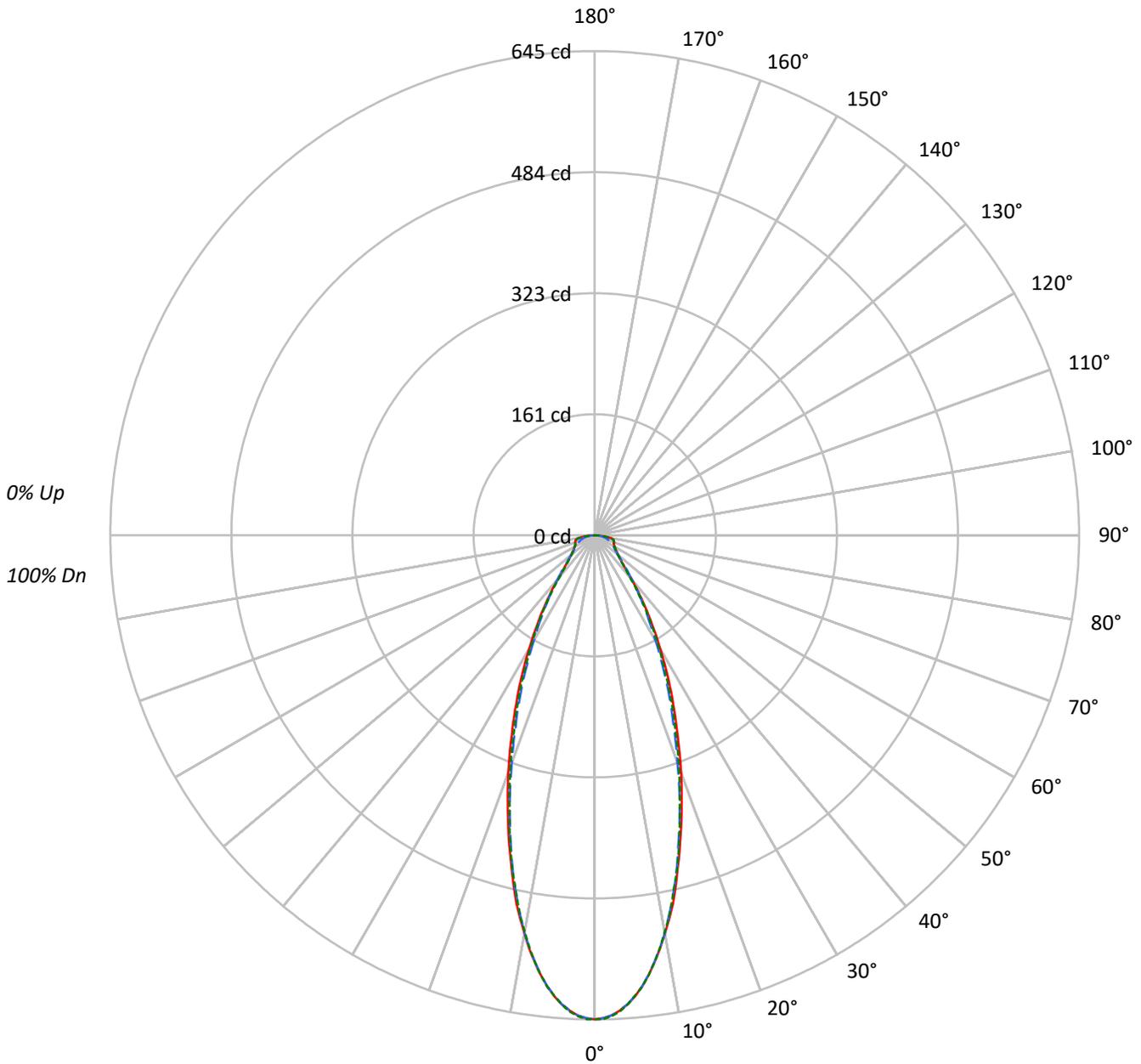
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 487.0 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

TEST NUMBER: P1320099
CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRLP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	111049	111049	111049
5°	106564	106425	106425
10°	94190	94068	93788
15°	77791	76686	77096
20°	61636	59088	60078
25°	46937	44447	45625
30°	34583	32137	33509
35°	24746	23611	23947
40°	16951	17289	16434
45°	12568	13298	12373
50°	10932	10932	10717
55°	10389	9939	10389
60°	10609	9817	10609
65°	11614	10025	11614
70°	13948	10071	13545
75°	17434	10780	17434
80°	22117	11406	20629
85°	18180	10671	18180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 22117 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	11.6
10°-20°	119.6	24.6
20°-30°	109.6	22.5
30°-40°	72.2	14.8
40°-50°	42.1	8.6
50°-60°	30.7	6.3
60°-70°	26.1	5.4
70°-80°	21.6	4.4
80°-90°	8.9	1.8
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°	285.4	58.6
0°-40°	357.6	73.4
0°-60°	430.4	88.4
0°-90°	487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	616	616	616	616	616	56
15°	436	435	430	432	432	121
25°	247	240	234	235	240	114
35°	118	115	112	112	114	74
45°	52	53	55	52	51	42
55°	35	35	33	34	35	31
65°	28	26	25	26	28	28
75°	26	20	16	20	26	27
85°	9	10	5	10	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	644.8	644.8	644.8	644.8	644.8
1°	643.3	643.3	643.3	643.3	644.8
2°	640.2	639.4	640.2	640.2	641.0
3°	634.1	634.1	634.1	634.1	635.6
4°	626.4	626.4	626.4	626.4	626.4
5°	616.4	615.6	615.6	616.4	615.6
6°	604.0	604.0	604.0	604.0	604.8
7°	590.2	589.4	589.4	588.7	590.2
8°	574.0	574.0	573.3	572.5	574.0
9°	557.1	557.9	556.3	555.6	555.6
10°	538.6	537.9	537.9	537.9	536.3
11°	520.2	517.9	517.1	517.1	518.6
12°	501.7	497.9	496.3	496.3	496.3
13°	479.4	477.8	475.5	474.0	474.8
14°	457.1	457.1	453.2	453.2	454.8
15°	436.3	434.8	430.1	431.7	432.4
17.5°	384.7	381.7	376.3	376.3	377.0
20°	336.3	330.9	322.4	326.3	327.8
22.5°	288.6	283.2	274.7	278.6	280.1
25°	247.0	240.1	233.9	234.7	240.1
27.5°	209.3	201.6	195.4	197.8	200.8
30°	173.9	169.3	161.6	165.4	168.5
32.5°	143.9	140.0	134.7	137.0	140.0
35°	117.7	115.4	112.3	112.3	113.9
37.5°	95.4	94.6	93.1	92.3	91.6
40°	75.4	76.9	76.9	75.4	73.1
42.5°	61.6	63.1	64.6	61.6	59.2
45°	51.6	53.1	54.6	51.6	50.8
47.5°	45.4	46.2	46.9	45.4	44.6
50°	40.8	40.8	40.8	40.0	40.0
52.5°	37.7	36.9	36.2	36.9	36.9
55°	34.6	34.6	33.1	33.9	34.6
57.5°	32.3	31.5	30.8	31.5	32.3
60°	30.8	29.2	28.5	29.2	30.8
62.5°	29.2	27.7	26.2	27.7	29.2
65°	28.5	26.2	24.6	26.2	28.5
67.5°	27.7	24.6	22.3	24.6	27.7
70°	27.7	23.1	20.0	23.1	26.9
72.5°	26.9	21.5	18.5	21.5	26.9
75°	26.2	20.0	16.2	20.0	26.2
77.5°	25.4	18.5	13.9	18.5	24.6
80°	22.3	16.9	11.5	16.9	20.8
82.5°	16.2	13.9	9.2	13.9	15.4
85°	9.2	10.0	5.4	10.0	9.2
87.5°	1.5	2.3	1.5	3.8	3.1



TEST NUMBER: P1320099
CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)