

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: P1320111

Luminaire Tested: LDSQA3D13R309840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309840DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

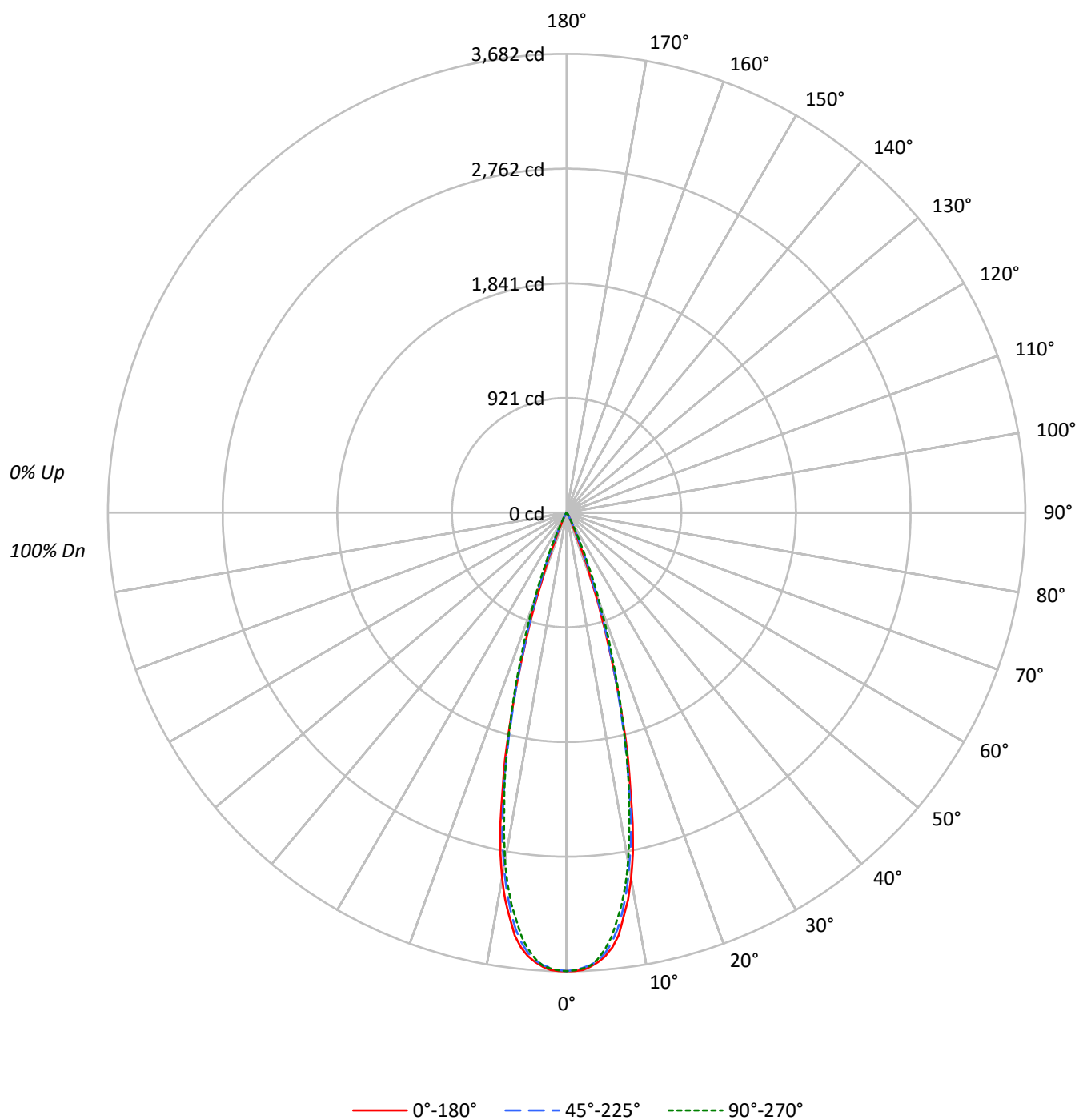
Lumens per Lamp: N/A
Luminaire Lumens: 892.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	634003	634003	634003
5°	617685	613432	608384
10°	521263	505262	497060
15°	314125	305353	310970
20°	106556	123051	141929
25°	19573	30689	36238
30°	6722	7497	8412
35°	1934	2418	2586
40°	517	854	697
45°	195	195	195
50°	214	0	214
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.3	35.7
10°-20°	465.2	52.2
20°-30°	98.4	11.0
30°-40°	9.1	1.0
40°-50°	0.9	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
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°	882.0	98.9
0°-40°	891.1	99.9
0°-60°	892.0	100.0
0°-90°	892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3681	3681	3681	3681	3681	
5°	3573	3566	3548	3538	3519	323
15°	1762	1756	1713	1753	1744	465
25°	103	115	162	190	191	75
35°	9	12	12	14	12	8
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3681.3	3681.3	3681.3	3681.3	3681.3
1°	3682.1	3678.2	3672.9	3680.6	3675.2
2°	3674.4	3665.2	3657.5	3665.2	3662.9
3°	3651.3	3643.6	3638.3	3642.1	3642.1
4°	3616.7	3608.3	3603.6	3604.4	3592.9
5°	3572.9	3566.0	3548.3	3537.5	3519.1
6°	3508.3	3491.4	3469.8	3452.2	3428.3
7°	3420.6	3394.5	3363.7	3333.0	3303.0
8°	3279.9	3267.6	3226.1	3205.3	3175.3
9°	3147.6	3117.6	3073.0	3039.2	3023.0
10°	2980.7	2936.1	2889.2	2862.3	2842.3
11°	2783.1	2737.7	2700.0	2660.8	2630.1
12°	2550.9	2512.4	2469.3	2443.2	2407.0
13°	2275.5	2270.2	2221.7	2213.3	2208.6
14°	2039.5	2017.9	1970.2	1983.3	1986.4
15°	1761.8	1755.7	1712.6	1752.6	1744.1
17.5°	1103.6	1105.9	1132.8	1195.8	1215.8
20°	581.4	599.1	671.4	747.5	774.4
22.5°	235.3	274.5	348.4	399.9	434.5
25°	103.0	115.4	161.5	189.9	190.7
27.5°	58.4	59.2	77.7	80.7	82.3
30°	33.8	34.6	37.7	40.0	42.3
32.5°	18.5	20.0	20.8	23.8	23.8
35°	9.2	11.5	11.5	13.8	12.3
37.5°	5.4	6.2	6.9	6.9	6.2
40°	2.3	3.1	3.8	3.8	3.1
42.5°	0.8	1.5	1.5	1.5	2.3
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)