

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: P1316596

Luminaire Tested: LDSQA3D13R309740DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316596
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: LDSQA3D13R309740DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

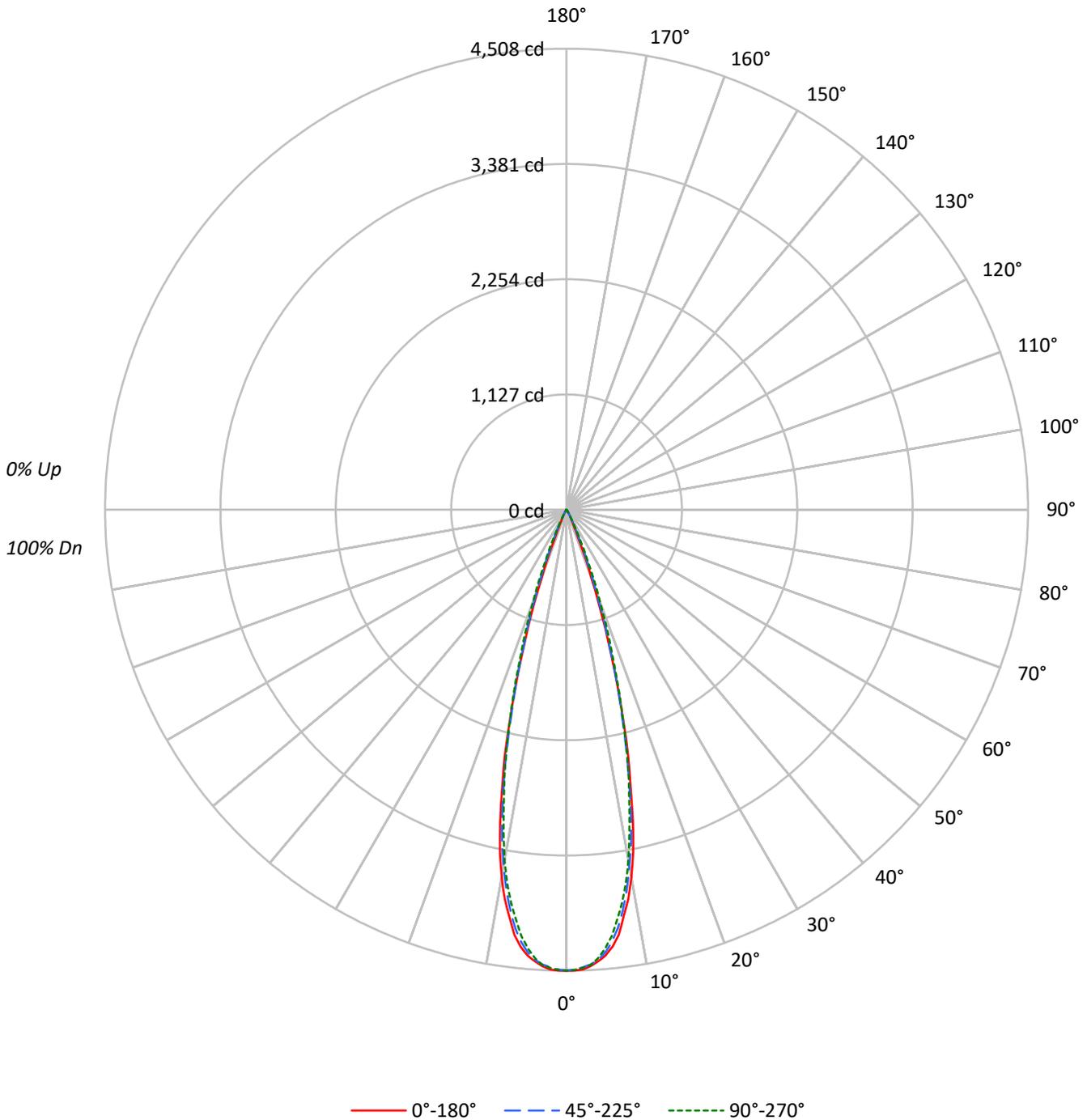
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1092.0 lumens
Efficiency: N/A
Efficacy: 74.8 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): 14.6
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

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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			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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	776156	776156	776156
5°	756179	750976	744786
10°	638153	618549	608511
15°	384571	373820	380702
20°	130437	150634	173745
25°	23981	37568	44371
30°	8233	9168	10301
35°	2376	2964	3175
40°	629	1057	854
45°	219	219	219
50°	241	0	241
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: 255 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.7	35.7
10°-20°	569.5	52.2
20°-30°	120.5	11.0
30°-40°	11.1	1.0
40°-50°	1.1	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°	1079.8	98.9
0°-40°	1090.9	99.9
0°-60°	1092.0	100.0
0°-90°	1092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4507	4507	4507	4507	4507	
5°	4374	4366	4344	4331	4308	395
15°	2157	2149	2097	2146	2135	569
25°	126	141	198	232	234	92
35°	11	14	14	17	15	9
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°	4506.7	4506.7	4506.7	4506.7	4506.7
1°	4507.7	4503.0	4496.4	4505.8	4499.2
2°	4498.3	4487.0	4477.5	4487.0	4484.1
3°	4470.0	4460.6	4454.0	4458.7	4458.7
4°	4427.6	4417.3	4411.6	4412.6	4398.5
5°	4374.0	4365.5	4343.9	4330.7	4308.1
6°	4294.9	4274.2	4247.8	4226.2	4197.0
7°	4187.6	4155.6	4117.9	4080.3	4043.5
8°	4015.3	4000.2	3949.4	3924.0	3887.3
9°	3853.4	3816.6	3762.0	3720.6	3700.8
10°	3649.1	3594.5	3537.0	3504.1	3479.6
11°	3407.1	3351.6	3305.4	3257.4	3219.8
12°	3122.8	3075.7	3023.0	2991.0	2946.7
13°	2785.8	2779.2	2719.9	2709.5	2703.8
14°	2496.7	2470.4	2412.0	2428.0	2431.8
15°	2156.9	2149.3	2096.6	2145.6	2135.2
17.5°	1351.0	1353.8	1386.8	1464.0	1488.4
20°	711.7	733.4	821.9	915.1	948.0
22.5°	288.1	336.1	426.5	489.6	531.9
25°	126.2	141.2	197.7	232.5	233.5
27.5°	71.6	72.5	95.1	98.9	100.7
30°	41.4	42.4	46.1	49.0	51.8
32.5°	22.6	24.5	25.4	29.2	29.2
35°	11.3	14.1	14.1	16.9	15.1
37.5°	6.6	7.5	8.5	8.5	7.5
40°	2.8	3.8	4.7	4.7	3.8
42.5°	0.9	1.9	1.9	1.9	2.8
45°	0.9	0.9	0.9	0.9	0.9
47.5°	0.9	0.9	0.0	0.9	0.9
50°	0.9	0.0	0.0	0.0	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
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)