

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: P1311899

Luminaire Tested: LDSQA3D24R209040D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R209040D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

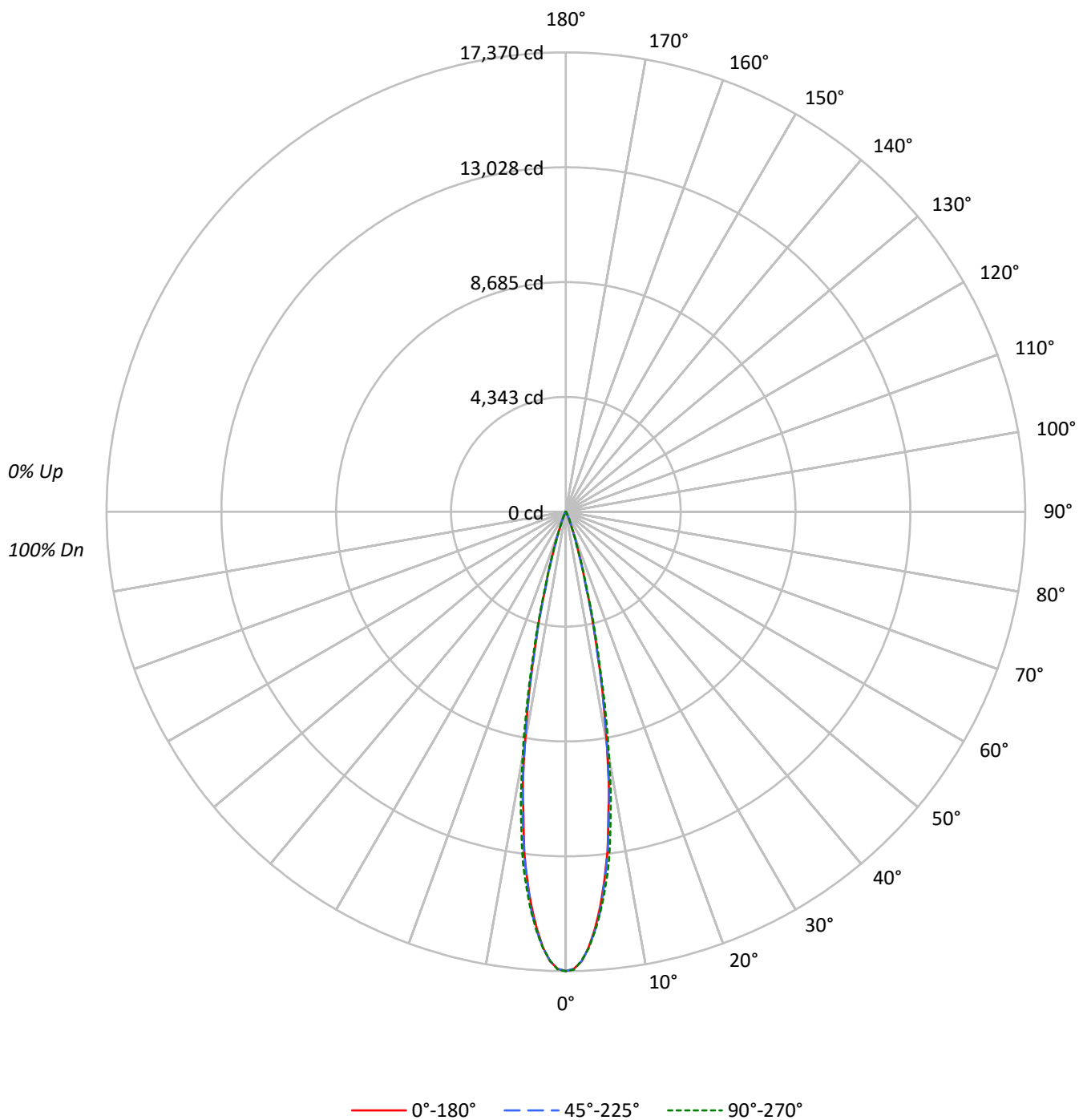
Lumens per Lamp: N/A
Luminaire Lumens: 2333.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2991490	2991490	2991490
5°	2584287	2608369	2618068
10°	1555710	1570243	1648396
15°	538103	525498	567380
20°	141324	132948	133333
25°	30803	37131	42262
30°	13225	13225	13642
35°	7422	6560	7001
40°	3260	3732	4204
45°	1023	1510	1510
50°	563	563	563
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: 22.5°

Vertical Angle: 45°

Luminance: 1510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1242.4	53.3
10°-20°	945.9	40.5
20°-30°	117.0	5.0
30°-40°	22.1	0.9
40°-50°	5.3	0.2
50°-60°	0.3	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°	2305.2	98.8
0°-40°	2327.3	99.8
0°-60°	2333.0	100.0
0°-90°	2333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17370	17370	17370	17370	17370	
5°	14948	14938	15088	15077	15144	1233
15°	3018	2910	2947	3124	3182	945
25°	162	185	195	204	222	112
35°	35	35	31	33	33	23
45°	4	6	6	6	6	4
55°	0	0	0	0	0	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17369.9	17369.9	17369.9	17369.9	17369.9
1°	17288.8	17268.0	17284.7	17249.3	17322.1
2°	17012.4	16991.6	16991.6	16970.8	16981.2
3°	16496.9	16530.2	16509.4	16465.7	16521.8
4°	15794.4	15831.8	15865.0	15867.1	15875.4
5°	14948.4	14938.0	15087.7	15077.3	15143.8
6°	13984.0	13971.6	14036.0	14144.1	14277.1
7°	12924.0	12772.3	12944.8	13163.0	13341.8
8°	11552.2	11591.7	11710.2	11967.9	12111.3
9°	10388.3	10157.5	10409.0	10716.7	10872.5
10°	8895.9	8708.8	8979.0	9303.3	9425.9
12.5°	5599.4	5437.3	5524.6	5865.5	5919.5
15°	3018.0	2909.9	2947.3	3124.0	3182.2
17.5°	1540.2	1442.5	1421.7	1533.9	1546.4
20°	771.1	748.3	725.4	735.8	727.5
22.5°	357.5	388.7	384.5	363.7	388.7
25°	162.1	185.0	195.4	203.7	222.4
27.5°	99.8	95.6	110.2	118.5	120.6
30°	66.5	64.4	66.5	68.6	68.6
32.5°	47.8	45.7	43.6	43.6	45.7
35°	35.3	35.3	31.2	33.3	33.3
37.5°	24.9	24.9	22.9	24.9	24.9
40°	14.5	16.6	16.6	16.6	18.7
42.5°	8.3	10.4	10.4	10.4	10.4
45°	4.2	6.2	6.2	6.2	6.2
47.5°	2.1	2.1	2.1	4.2	4.2
50°	2.1	2.1	2.1	2.1	2.1
52.5°	2.1	0.0	0.0	0.0	2.1
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)