

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: P1310709

Luminaire Tested: LDSQA3D20R459035D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459035D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

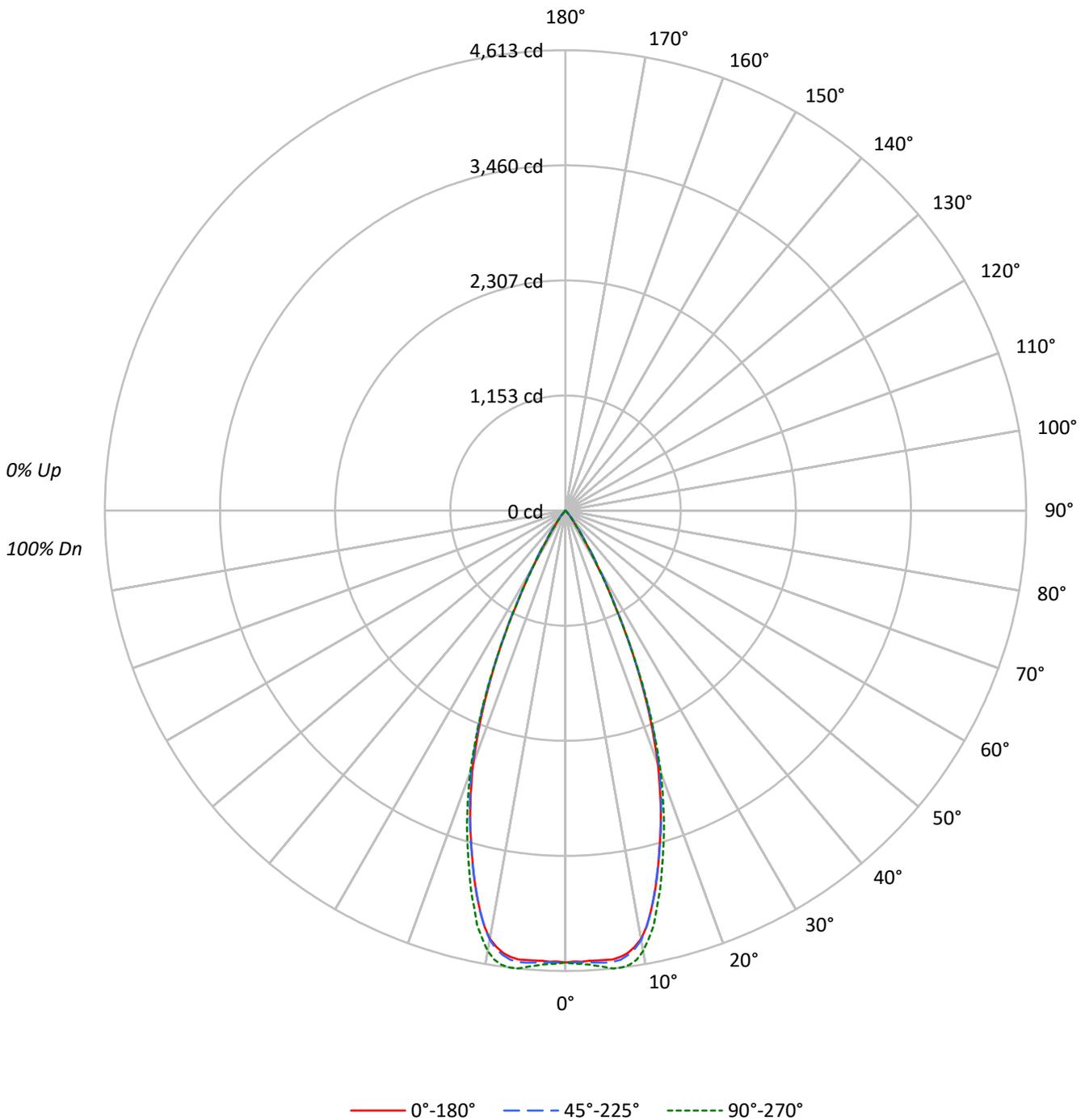
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2341.0 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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

TEST NUMBER: P1310709
CATALOG NUMBER: LDSQA3D20R459035D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





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CATALOG NUMBER: LDSQA3D20R459035D010 3LSQCDR1MMS

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	779807	779807	779807
5°	781575	786088	793919
10°	762020	763541	783617
15°	642871	643192	664285
20°	496255	503275	511559
25°	307862	308185	310181
30°	126996	134970	124927
35°	39505	48293	38054
40°	12118	16817	11353
45°	852	6357	852
50°	0	938	0
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: 45°
 Vertical Angle: 45°
 Luminance: 6357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.9	18.4
10°-20°	1002.0	42.8
20°-30°	735.0	31.4
30°-40°	158.0	6.7
40°-50°	15.0	0.6
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°	2167.9	92.6
0°-40°	2325.9	99.4
0°-60°	2341.0	100.0
0°-90°	2341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4528	4528	4528	4528	4528	
5°	4521	4533	4547	4578	4592	428
15°	3606	3599	3607	3665	3726	993
25°	1620	1615	1622	1622	1632	727
35°	188	202	230	197	181	148
45°	4	10	26	10	4	9
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°	4527.9	4527.9	4527.9	4527.9	4527.9
1°	4519.2	4529.6	4529.6	4536.6	4540.1
2°	4522.7	4529.6	4527.9	4540.1	4545.3
3°	4517.5	4529.6	4533.1	4547.0	4555.7
4°	4519.2	4529.6	4540.1	4561.0	4573.1
5°	4520.9	4533.1	4547.0	4578.4	4592.3
6°	4522.7	4531.4	4547.0	4587.1	4613.2
7°	4505.3	4517.5	4534.9	4585.3	4613.2
8°	4477.4	4484.4	4498.3	4564.4	4597.5
9°	4425.2	4423.5	4444.4	4517.5	4555.7
10°	4357.4	4336.5	4366.1	4439.2	4480.9
11°	4247.7	4225.1	4251.2	4329.5	4369.5
12°	4105.0	4105.0	4110.3	4179.9	4249.5
13°	3953.6	3936.2	3946.7	4025.0	4073.7
14°	3786.6	3769.2	3779.6	3838.8	3915.4
15°	3605.6	3598.7	3607.4	3664.8	3725.7
17.5°	3175.8	3160.1	3191.5	3248.9	3280.2
20°	2707.7	2733.8	2746.0	2782.5	2791.2
22.5°	2170.0	2197.8	2215.2	2220.4	2225.7
25°	1620.1	1614.9	1621.8	1621.8	1632.3
27.5°	1065.0	1065.0	1084.1	1071.9	1059.8
30°	638.6	664.7	678.7	656.0	628.2
32.5°	348.0	374.1	396.8	363.7	339.3
35°	187.9	201.9	229.7	196.6	181.0
37.5°	102.7	114.9	132.3	111.4	102.7
40°	53.9	66.1	74.8	66.1	50.5
42.5°	17.4	33.1	43.5	33.1	15.7
45°	3.5	10.4	26.1	10.4	3.5
47.5°	0.0	1.7	12.2	1.7	0.0
50°	0.0	0.0	3.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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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CATALOG NUMBER: LDSQA3D20R459035D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)