

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: P1309590

Luminaire Tested: LDSQA3D20R459030D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309590
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: LDSQA3D20R459030D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

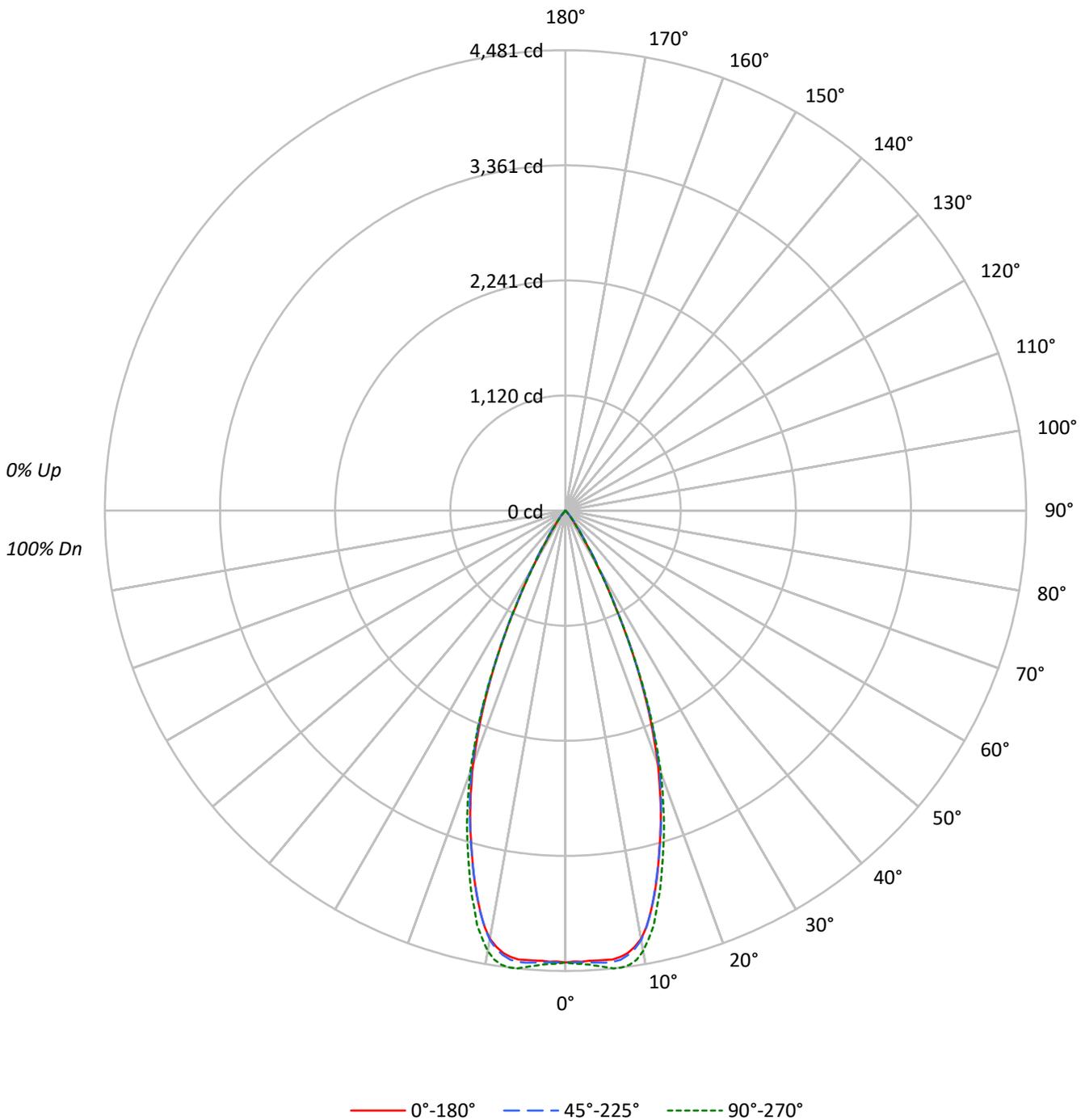
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2274.0 lumens
Efficiency: N/A
Efficacy: 79.0 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 (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	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°	757487	757487	757487
5°	759222	763596	771203
10°	740212	741681	761198
15°	624471	624774	645278
20°	482051	488869	496915
25°	299045	299368	301306
30°	123376	131092	121348
35°	38391	46906	36961
40°	11781	16344	11016
45°	828	6186	828
50°	0	911	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: 6186 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.6	18.4
10°-20°	973.3	42.8
20°-30°	714.0	31.4
30°-40°	153.4	6.7
40°-50°	14.6	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°	2105.9	92.6
0°-40°	2259.3	99.4
0°-60°	2274.0	100.0
0°-90°	2274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4398	4398	4398	4398	4398	
5°	4392	4403	4417	4447	4461	415
15°	3502	3496	3504	3560	3619	964
25°	1574	1569	1575	1575	1586	706
35°	183	196	223	191	176	144
45°	3	10	25	10	3	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°	4398.3	4398.3	4398.3	4398.3	4398.3
1°	4389.9	4400.0	4400.0	4406.8	4410.1
2°	4393.2	4400.0	4398.3	4410.1	4415.2
3°	4388.2	4400.0	4403.4	4416.9	4425.4
4°	4389.9	4400.0	4410.1	4430.4	4442.3
5°	4391.6	4403.4	4416.9	4447.3	4460.9
6°	4393.2	4401.7	4416.9	4455.8	4481.1
7°	4376.3	4388.2	4405.1	4454.1	4481.1
8°	4349.3	4356.1	4369.6	4433.8	4465.9
9°	4298.6	4296.9	4317.2	4388.2	4425.4
10°	4232.7	4212.4	4241.1	4312.1	4352.7
11°	4126.2	4104.2	4129.5	4205.6	4244.5
12°	3987.6	3987.6	3992.6	4060.2	4127.9
13°	3840.5	3823.6	3833.7	3909.8	3957.1
14°	3678.2	3661.3	3671.5	3728.9	3803.3
15°	3502.4	3495.7	3504.1	3559.9	3619.1
17.5°	3084.9	3069.7	3100.1	3155.9	3186.3
20°	2630.2	2655.6	2667.4	2702.9	2711.3
22.5°	2107.9	2134.9	2151.8	2156.9	2162.0
25°	1573.7	1568.7	1575.4	1575.4	1585.6
27.5°	1034.5	1034.5	1053.1	1041.3	1029.4
30°	620.4	645.7	659.2	637.3	610.2
32.5°	338.1	363.4	385.4	353.3	329.6
35°	182.6	196.1	223.1	191.0	175.8
37.5°	99.7	111.6	128.5	108.2	99.7
40°	52.4	64.2	72.7	64.2	49.0
42.5°	16.9	32.1	42.3	32.1	15.2
45°	3.4	10.1	25.4	10.1	3.4
47.5°	0.0	1.7	11.8	1.7	0.0
50°	0.0	0.0	3.4	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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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)