

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: P1310699

Luminaire Tested: LDSQA3D20R409035D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409035D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

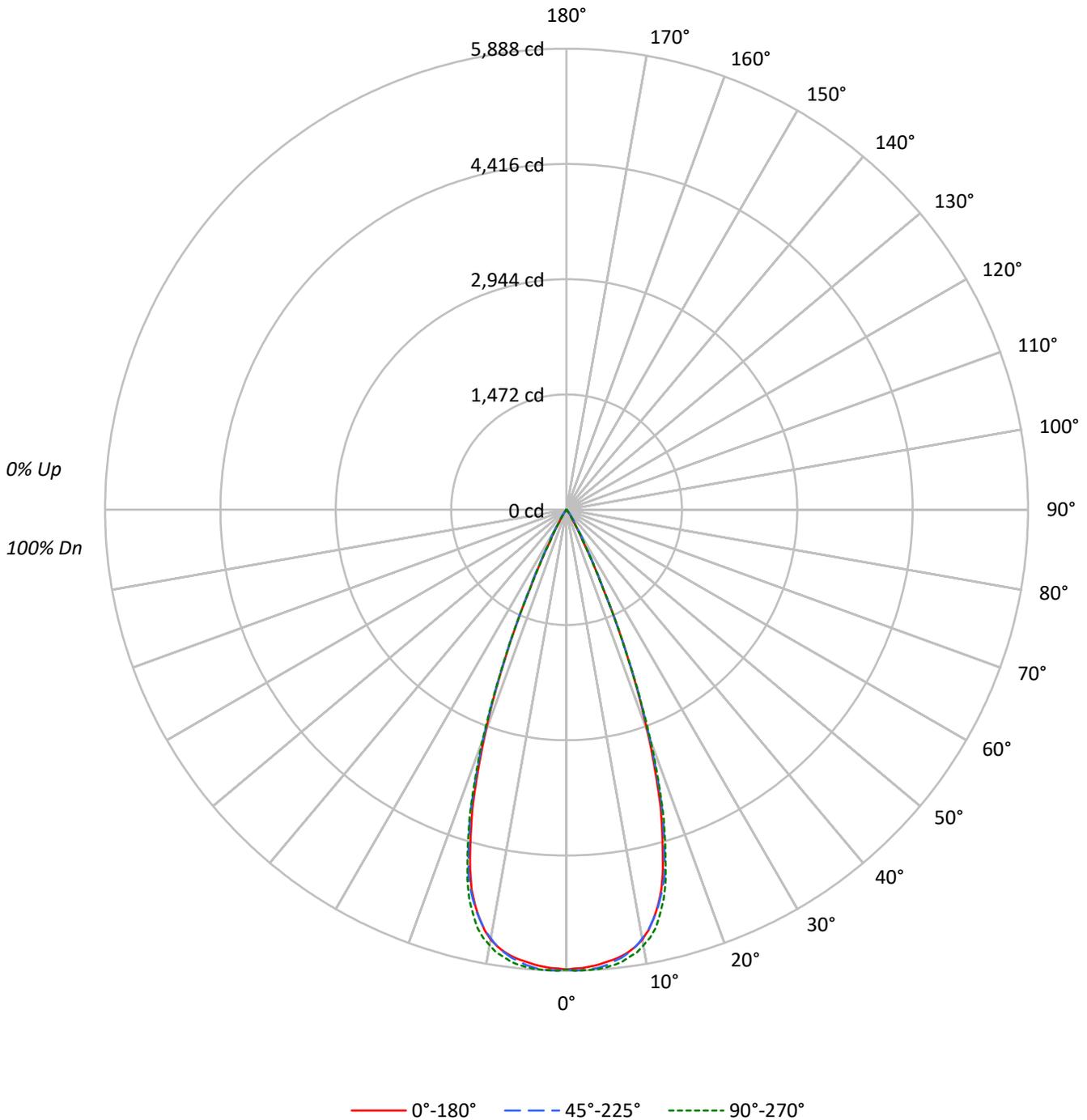
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2470.0 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
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			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	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1011584	1011584	1011584
5°	1002828	1009138	1013944
10°	974271	972435	987649
15°	847557	861197	871752
20°	556259	567109	574440
25°	198312	209884	197324
30°	43233	58447	43591
35°	13897	24136	13540
40°	4294	7419	3912
45°	414	2533	414
50°	0	455	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: 2533 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.3	22.2
10°-20°	1279.2	51.8
20°-30°	573.7	23.2
30°-40°	62.0	2.5
40°-50°	5.8	0.2
50°-60°	0.0	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°	2402.2	97.3
0°-40°	2464.2	99.8
0°-60°	2470.0	100.0
0°-90°	2470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5874	5874	5874	5874	5874	
5°	5801	5816	5837	5846	5865	547
15°	4754	4788	4830	4858	4889	1263
25°	1044	1075	1104	1124	1038	557
35°	66	76	115	75	64	51
45°	2	4	10	4	2	3
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°	5873.7	5873.7	5873.7	5873.7	5873.7
1°	5861.6	5873.7	5884.2	5875.5	5887.6
2°	5856.3	5870.2	5885.9	5877.2	5887.6
3°	5842.4	5859.8	5877.2	5872.0	5882.4
4°	5823.3	5837.2	5863.3	5863.3	5878.9
5°	5800.7	5816.3	5837.2	5845.9	5865.0
6°	5776.3	5785.0	5800.7	5818.1	5844.2
7°	5745.0	5745.0	5764.1	5781.5	5816.3
8°	5701.5	5698.1	5712.0	5734.6	5765.9
9°	5647.6	5635.4	5645.9	5678.9	5725.9
10°	5571.1	5560.6	5560.6	5602.4	5647.6
11°	5471.9	5468.5	5470.2	5510.2	5571.1
12°	5338.0	5341.5	5341.5	5386.7	5461.5
13°	5186.7	5185.0	5200.6	5251.0	5301.5
14°	5002.3	5012.8	5028.4	5073.6	5125.8
15°	4753.6	4788.4	4830.1	4858.0	4889.3
17.5°	3997.0	4031.8	4089.2	4111.8	4118.7
20°	3035.1	3085.6	3094.3	3139.5	3134.3
22.5°	2035.0	2031.5	2038.5	2043.7	2045.5
25°	1043.6	1074.9	1104.5	1123.6	1038.4
27.5°	454.0	507.9	546.2	495.7	459.2
30°	217.4	247.0	293.9	248.7	219.2
32.5°	118.3	137.4	186.1	135.7	116.5
35°	66.1	76.5	114.8	74.8	64.4
37.5°	38.3	41.7	62.6	41.7	36.5
40°	19.1	24.4	33.0	24.4	17.4
42.5°	7.0	12.2	17.4	12.2	7.0
45°	1.7	3.5	10.4	3.5	1.7
47.5°	0.0	0.0	5.2	0.0	0.0
50°	0.0	0.0	1.7	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)