

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: P1309499

Luminaire Tested: LDSQA3D20R159030D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159030D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

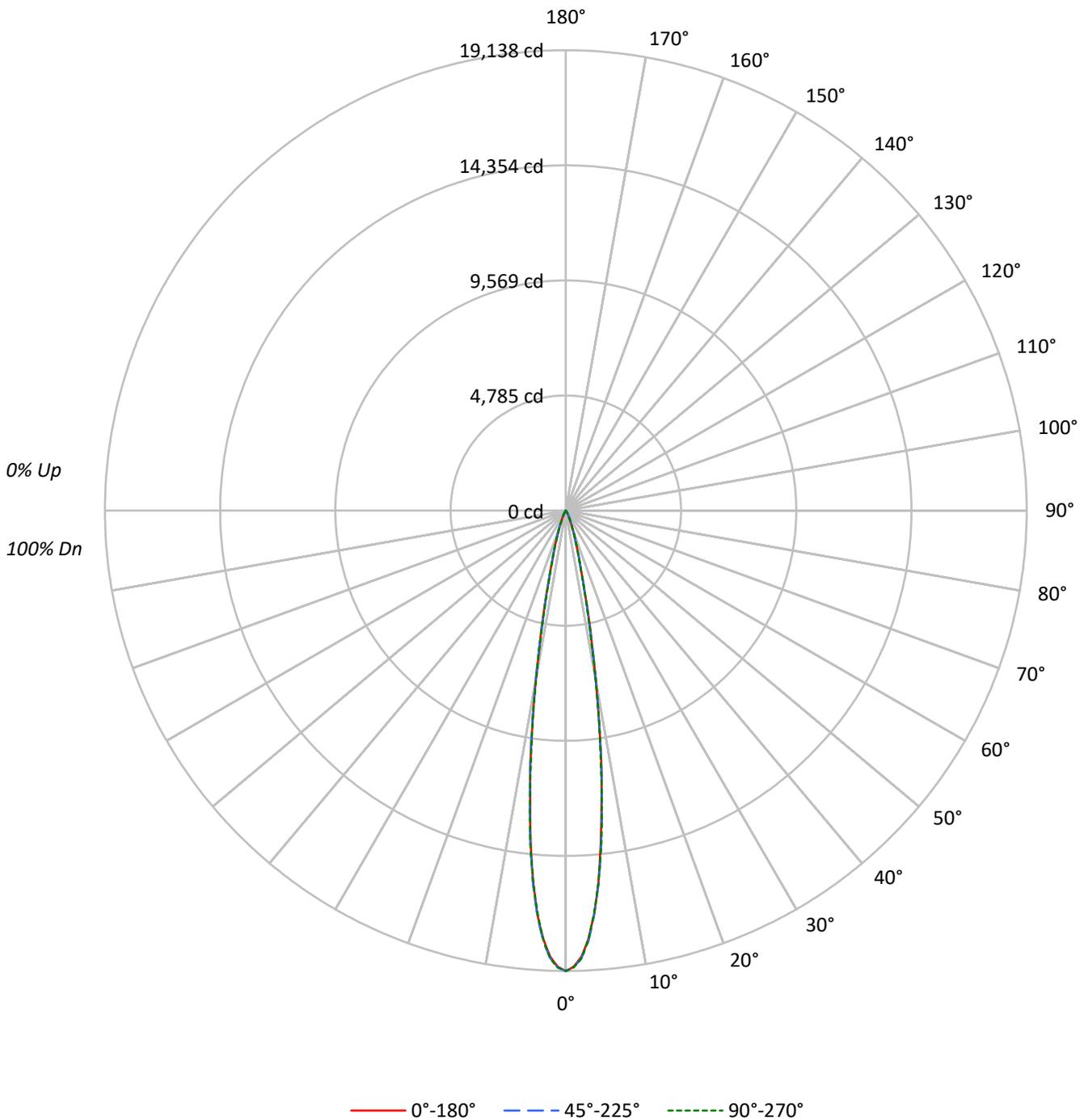
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2136.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3296083	3296083	3296083
5°	2683624	2692389	2687134
10°	1251840	1263067	1247118
15°	393111	396428	394003
20°	155748	161942	150799
25°	62918	76087	60676
30°	25196	34603	23864
35°	7464	15264	7106
40°	2271	5688	1888
45°	414	1242	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: 1242 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1198.3	56.1
10°-20°	716.6	33.6
20°-30°	180.7	8.5
30°-40°	36.9	1.7
40°-50°	3.4	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°	2095.6	98.1
0°-40°	2132.5	99.8
0°-60°	2136.0	100.0
0°-90°	2136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19138	19138	19138	19138	19138	
5°	15523	15494	15574	15535	15543	1195
15°	2205	2223	2223	2191	2210	717
25°	331	362	400	355	319	170
35°	36	47	73	46	34	29
45°	2	3	5	3	2	2
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°	19138.5	19138.5	19138.5	19138.5	19138.5
1°	18966.2	19030.4	18996.6	19023.6	18993.2
2°	18555.6	18641.8	18614.7	18606.3	18629.9
3°	17832.5	17932.2	17928.8	17903.5	17862.9
4°	16845.9	16805.3	16867.8	16861.1	16791.8
5°	15523.0	15494.3	15573.7	15534.8	15543.3
6°	13904.5	14029.5	14002.4	14005.8	14037.9
7°	12166.0	12233.6	12291.0	12338.3	12272.4
8°	10569.4	10552.5	10557.6	10611.7	10429.2
9°	8781.9	8886.7	8819.1	8711.0	8780.3
10°	7158.3	7222.5	7222.5	7127.9	7131.3
11°	5707.1	5759.5	5722.3	5745.9	5597.3
12°	4600.5	4470.4	4440.0	4463.6	4461.9
13°	3512.4	3520.9	3512.4	3510.7	3493.9
14°	2753.9	2797.8	2779.2	2733.6	2713.3
15°	2204.8	2223.4	2223.4	2191.3	2209.8
17.5°	1324.6	1346.5	1351.6	1329.6	1329.6
20°	849.8	859.9	883.6	851.5	822.8
22.5°	523.7	545.7	586.3	538.9	515.3
25°	331.1	361.5	400.4	354.8	319.3
27.5°	207.8	233.1	266.9	223.0	201.0
30°	126.7	143.6	174.0	140.2	120.0
32.5°	71.0	84.5	109.8	81.1	67.6
35°	35.5	47.3	72.6	45.6	33.8
37.5°	20.3	25.3	45.6	22.0	18.6
40°	10.1	13.5	25.3	13.5	8.4
42.5°	3.4	6.8	10.1	6.8	3.4
45°	1.7	3.4	5.1	3.4	1.7
47.5°	0.0	0.0	1.7	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)