

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: P1307491

Luminaire Tested: LDSQA3D20R409024D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307491
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: LDSQA3D20R409024D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

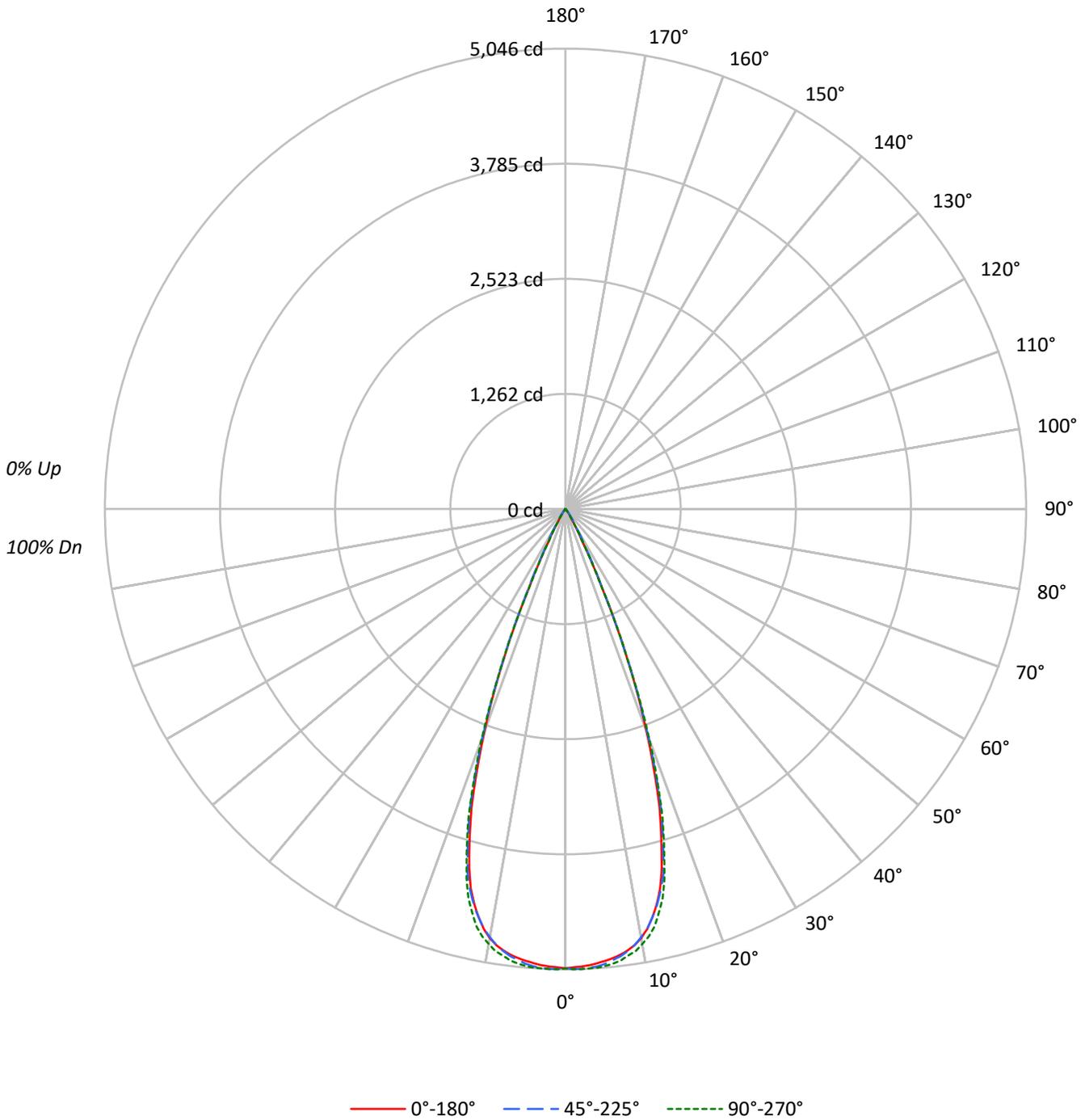
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2117.0 lumens
Efficiency: N/A
Efficacy: 73.5 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	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	82	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	77	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°	867020	867020	867020
5°	859510	864921	869036
10°	835032	833458	846504
15°	726422	738118	747158
20°	476773	486065	492333
25°	169979	179879	169124
30°	37049	50094	37347
35°	11900	20688	11606
40°	3687	6362	3350
45°	365	2168	365
50°	0	402	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: 2168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.8	22.2
10°-20°	1096.4	51.8
20°-30°	491.7	23.2
30°-40°	53.1	2.5
40°-50°	4.9	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°	2058.9	97.3
0°-40°	2112.0	99.8
0°-60°	2117.0	100.0
0°-90°	2117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5034	5034	5034	5034	5034	
5°	4972	4985	5003	5010	5027	469
15°	4074	4104	4140	4164	4190	1083
25°	894	921	947	963	890	477
35°	57	66	98	64	55	44
45°	2	3	9	3	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°	5034.3	5034.3	5034.3	5034.3	5034.3
1°	5023.8	5034.3	5043.2	5035.8	5046.2
2°	5019.4	5031.3	5044.7	5037.3	5046.2
3°	5007.4	5022.4	5037.3	5032.8	5041.7
4°	4991.1	5003.0	5025.3	5025.3	5038.8
5°	4971.7	4985.1	5003.0	5010.4	5026.8
6°	4950.8	4958.3	4971.7	4986.6	5008.9
7°	4924.0	4924.0	4940.4	4955.3	4985.1
8°	4886.7	4883.7	4895.6	4915.0	4941.9
9°	4840.5	4830.0	4839.0	4867.3	4907.6
10°	4774.9	4765.9	4765.9	4801.7	4840.5
11°	4689.9	4686.9	4688.4	4722.7	4774.9
12°	4575.1	4578.1	4578.1	4616.9	4681.0
13°	4445.4	4443.9	4457.4	4500.6	4543.8
14°	4287.4	4296.4	4309.8	4348.5	4393.3
15°	4074.2	4104.1	4139.8	4163.7	4190.5
17.5°	3425.8	3455.6	3504.8	3524.1	3530.1
20°	2601.4	2644.6	2652.1	2690.8	2686.3
22.5°	1744.2	1741.2	1747.2	1751.6	1753.1
25°	894.5	921.3	946.6	963.0	890.0
27.5°	389.1	435.3	468.1	424.9	393.6
30°	186.3	211.7	251.9	213.2	187.8
32.5°	101.4	117.8	159.5	116.3	99.9
35°	56.6	65.6	98.4	64.1	55.2
37.5°	32.8	35.8	53.7	35.8	31.3
40°	16.4	20.9	28.3	20.9	14.9
42.5°	6.0	10.4	14.9	10.4	6.0
45°	1.5	3.0	8.9	3.0	1.5
47.5°	0.0	0.0	4.5	0.0	0.0
50°	0.0	0.0	1.5	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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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)