

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: P1308474

Luminaire Tested: LDSQA3D20R459027D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459027D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

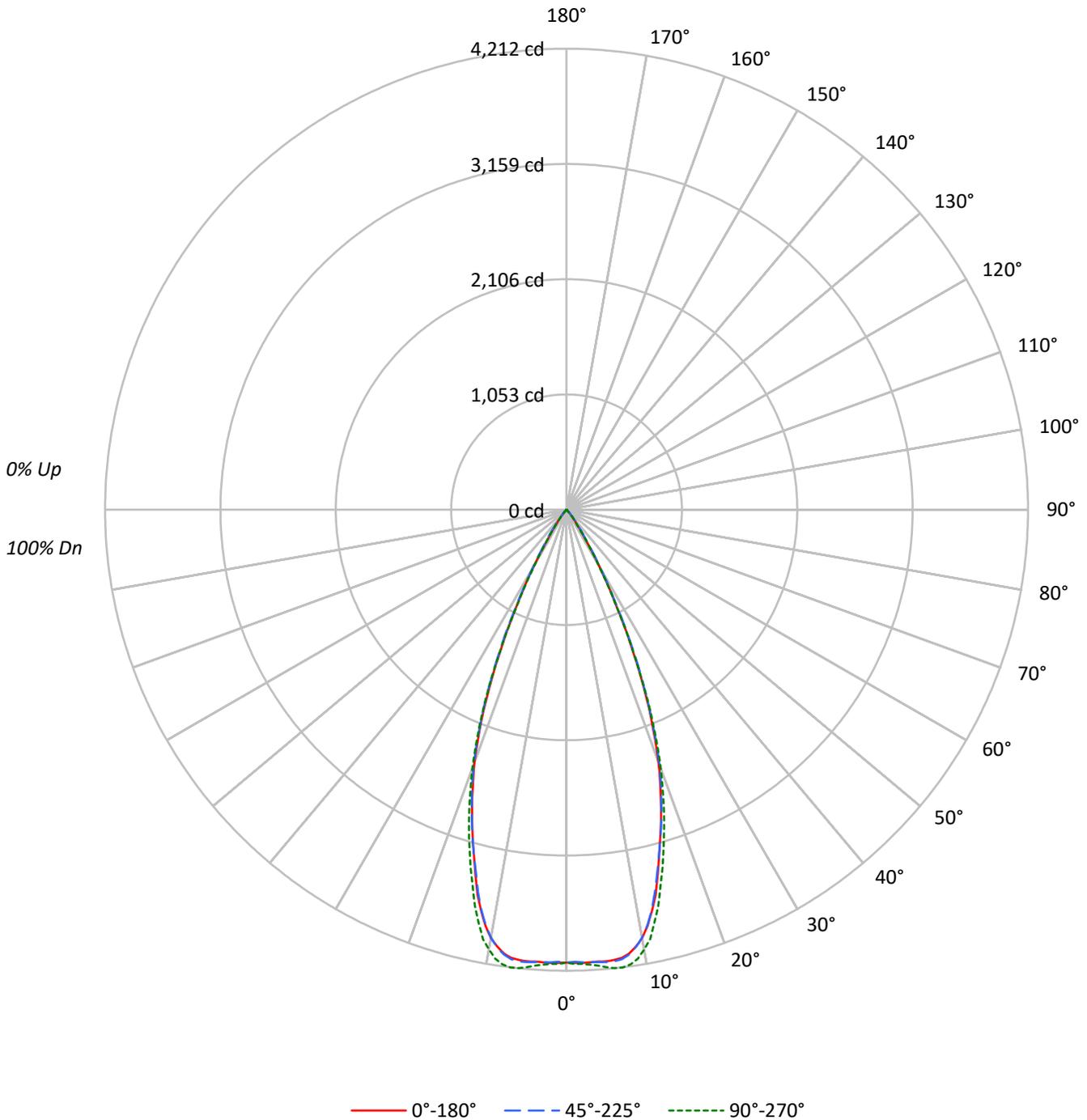
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2141.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 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	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	712433	712433	712433
5°	715967	717333	725528
10°	694726	694166	713491
15°	582232	581947	603343
20°	450088	454725	461085
25°	275919	281620	276527
30°	118325	123655	114566
35°	37171	44803	36162
40°	12770	16322	12410
45°	2314	6917	1924
50°	1259	2545	1259
55°	1411	1411	1411
60°	1102	1102	1102
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.2	18.4
10°-20°	908.5	42.4
20°-30°	665.2	31.1
30°-40°	146.9	6.9
40°-50°	18.0	0.8
50°-60°	4.2	0.2
60°-70°	3.1	0.1
70°-80°	1.7	0.1
80°-90°	0.2	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°	1966.8	91.9
0°-40°	2113.8	98.7
0°-60°	2136.0	99.8
0°-90°	2141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4137	4137	4137	4137	4137	
5°	4141	4138	4149	4179	4197	391
15°	3266	3248	3264	3343	3384	901
25°	1452	1450	1482	1471	1455	658
35°	177	186	213	186	172	140
45°	10	16	28	16	8	13
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	4136.7	4136.7	4136.7	4136.7	4136.7
1°	4139.9	4133.5	4132.0	4143.0	4150.9
2°	4143.0	4135.1	4136.7	4147.8	4152.5
3°	4139.9	4132.0	4139.9	4155.6	4162.0
4°	4138.3	4135.1	4143.0	4165.1	4176.2
5°	4141.4	4138.3	4149.3	4179.3	4196.7
6°	4136.7	4132.0	4147.8	4185.6	4210.9
7°	4125.7	4120.9	4138.3	4184.1	4212.5
8°	4095.7	4086.2	4103.6	4160.4	4195.1
9°	4042.0	4029.4	4046.7	4113.0	4154.1
10°	3972.6	3958.4	3969.4	4034.1	4079.9
11°	3873.1	3854.2	3866.8	3936.3	3996.2
12°	3746.9	3720.0	3735.8	3814.7	3857.3
13°	3609.6	3584.3	3587.5	3658.5	3718.5
14°	3439.1	3406.0	3420.2	3494.3	3541.7
15°	3265.5	3248.1	3263.9	3342.8	3383.9
17.5°	2867.8	2866.2	2880.4	2938.8	2960.9
20°	2455.8	2460.6	2481.1	2512.6	2515.8
22.5°	1968.1	1969.7	1991.8	2013.9	2009.2
25°	1452.0	1450.5	1482.0	1471.0	1455.2
27.5°	962.8	969.1	997.5	977.0	961.2
30°	595.0	607.6	621.8	596.6	576.1
32.5°	322.0	342.5	363.0	340.9	320.4
35°	176.8	186.2	213.1	186.2	172.0
37.5°	102.6	107.3	124.7	107.3	97.9
40°	56.8	64.7	72.6	64.7	55.2
42.5°	23.7	36.3	44.2	36.3	23.7
45°	9.5	15.8	28.4	15.8	7.9
47.5°	4.7	6.3	17.4	6.3	4.7
50°	4.7	4.7	9.5	4.7	4.7
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	3.2	3.2	3.2	4.7	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	3.2	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
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)