

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: P1316938

Luminaire Tested: LDSQA3D20R459740D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316938
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: LDSQA3D20R459740D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

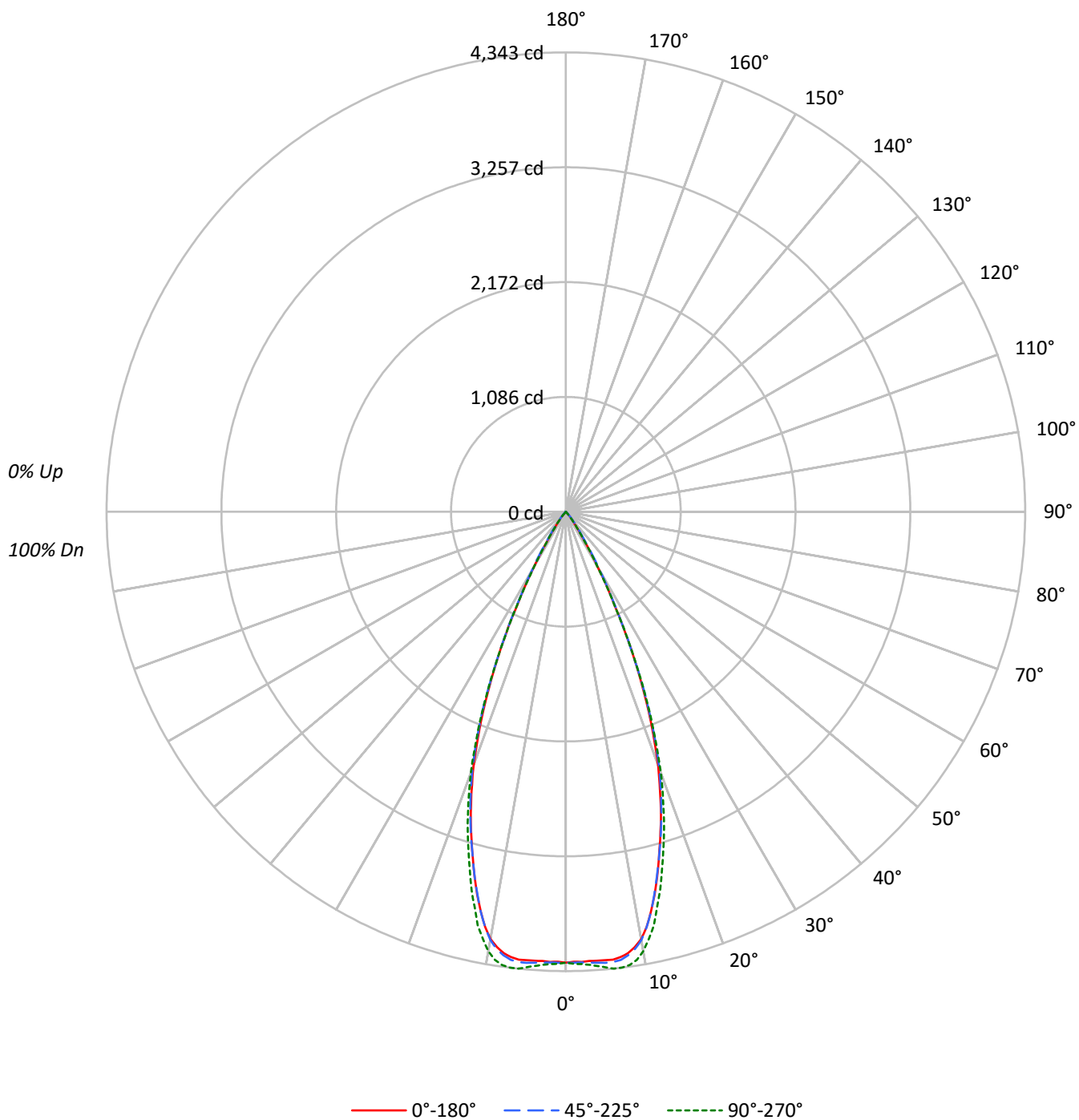
Lumens per Lamp: N/A
Luminaire Lumens: 2204.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	734168	734168	734168
5°	735849	740084	747449
10°	717425	718859	737764
15°	605250	605536	625416
20°	467206	473822	481630
25°	289848	290152	292014
30°	119578	127055	117609
35°	37192	45476	35826
40°	11421	15827	10679
45°	804	5992	804
50°	0	884	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: 5992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.7	18.4
10°-20°	943.3	42.8
20°-30°	692.0	31.4
30°-40°	148.7	6.7
40°-50°	14.1	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°	2041.1	92.6
0°-40°	2189.8	99.4
0°-60°	2204.0	100.0
0°-90°	2204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4263	4263	4263	4263	4263	
5°	4256	4268	4281	4310	4324	403
15°	3395	3388	3396	3450	3508	935
25°	1525	1520	1527	1527	1537	684
35°	177	190	216	185	170	139
45°	3	10	25	10	3	8
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4262.9	4262.9	4262.9	4262.9	4262.9
1°	4254.7	4264.6	4264.6	4271.1	4274.4
2°	4258.0	4264.6	4262.9	4274.4	4279.3
3°	4253.1	4264.6	4267.8	4280.9	4289.1
4°	4254.7	4264.6	4274.4	4294.0	4305.5
5°	4256.4	4267.8	4280.9	4310.4	4323.5
6°	4258.0	4266.2	4280.9	4318.6	4343.2
7°	4241.6	4253.1	4269.5	4317.0	4343.2
8°	4215.4	4222.0	4235.1	4297.3	4328.5
9°	4166.3	4164.6	4184.3	4253.1	4289.1
10°	4102.4	4082.7	4110.6	4179.4	4218.7
11°	3999.2	3977.9	4002.4	4076.2	4113.8
12°	3864.8	3864.8	3869.7	3935.3	4000.8
13°	3722.3	3705.9	3715.7	3789.4	3835.3
14°	3565.0	3548.6	3558.4	3614.1	3686.2
15°	3394.6	3388.1	3396.2	3450.3	3507.7
17.5°	2989.9	2975.2	3004.7	3058.8	3088.2
20°	2549.2	2573.8	2585.3	2619.7	2627.9
22.5°	2043.0	2069.2	2085.6	2090.5	2095.4
25°	1525.3	1520.4	1526.9	1526.9	1536.7
27.5°	1002.7	1002.7	1020.7	1009.2	997.7
30°	601.3	625.8	638.9	617.6	591.4
32.5°	327.7	352.2	373.5	342.4	319.5
35°	176.9	190.0	216.3	185.1	170.4
37.5°	96.7	108.1	124.5	104.9	96.7
40°	50.8	62.3	70.4	62.3	47.5
42.5°	16.4	31.1	41.0	31.1	14.7
45°	3.3	9.8	24.6	9.8	3.3
47.5°	0.0	1.6	11.5	1.6	0.0
50°	0.0	0.0	3.3	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)