

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: P1326079

Luminaire Tested: LDSQA3D09R20W2N902765DE010 3LSQPHRLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902765DE010 3LSQPHRLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

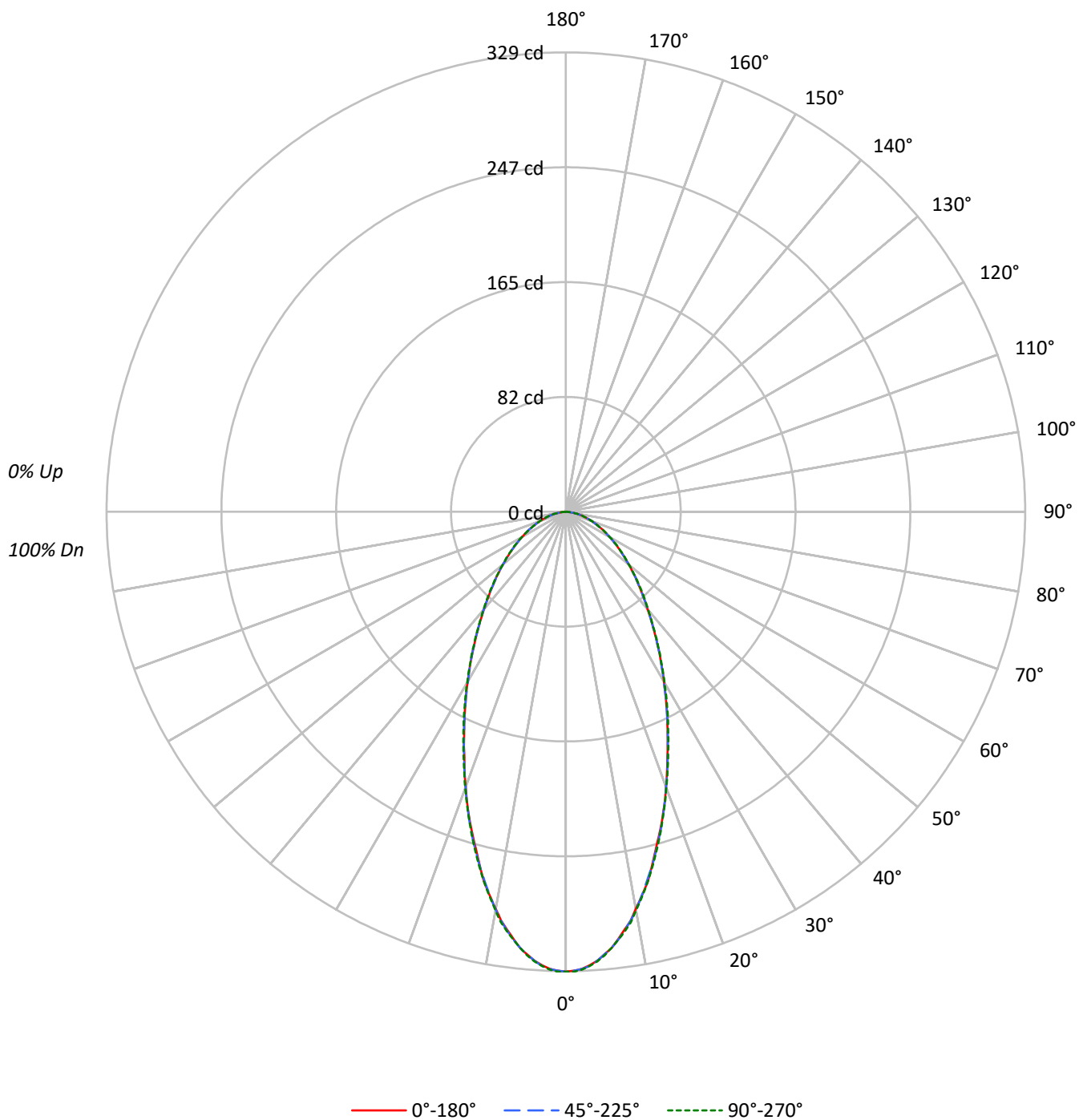
Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56730	56730	56730
5°	55011	55011	55114
10°	50505	50610	50715
15°	44468	44681	44788
20°	38488	38488	38598
25°	32742	32742	32970
30°	27960	27841	28080
35°	23863	23863	23989
40°	20504	20504	20639
45°	17902	17902	18048
50°	15754	15754	15754
55°	13962	13962	14142
60°	12572	12572	12572
65°	11247	11247	11247
70°	10071	10071	10071
75°	8983	8584	8983
80°	7538	7538	7538
85°	4742	4742	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18048 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	7.5
10°-20°	69.7	17.7
20°-30°	79.4	20.2
30°-40°	71.3	18.1
40°-50°	57.1	14.5
50°-60°	42.0	10.7
60°-70°	27.4	7.0
70°-80°	14.2	3.6
80°-90°	3.3	0.8
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°	178.6	45.3
0°-40°	249.9	63.4
0°-60°	349.1	88.6
0°-90°	394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	329	329	329	329	329	
5°	318	318	318	318	319	29
15°	249	249	251	251	251	70
25°	172	172	172	173	174	79
35°	114	114	114	114	114	71
45°	74	74	74	74	74	57
55°	46	46	46	46	47	42
65°	28	27	28	28	28	27
75°	14	13	13	14	14	14
85°	2	2	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	329.4	329.4	329.4	329.4	329.4
1°	328.8	328.2	328.8	328.8	329.4
2°	327.6	327.6	327.6	327.0	328.2
3°	325.3	325.3	325.9	325.3	325.9
4°	322.3	322.3	322.3	321.8	322.9
5°	318.2	318.2	318.2	318.2	318.8
6°	314.1	313.5	314.1	313.5	314.1
7°	308.2	308.2	308.8	308.2	308.8
8°	302.3	301.8	302.9	302.3	303.5
9°	296.5	295.9	296.5	295.9	297.6
10°	288.8	289.4	289.4	289.4	290.0
12.5°	271.2	270.0	270.0	270.0	271.2
15°	249.4	249.4	250.6	250.6	251.2
17.5°	230.0	229.4	230.6	230.6	230.6
20°	210.0	209.4	210.0	210.0	210.6
22.5°	190.0	190.6	190.6	190.6	191.2
25°	172.3	172.3	172.3	172.9	173.5
27.5°	155.9	155.3	155.9	156.5	157.1
30°	140.6	140.0	140.0	140.6	141.2
32.5°	126.5	125.9	126.5	126.5	127.1
35°	113.5	113.5	113.5	113.5	114.1
37.5°	101.8	101.8	101.8	102.3	102.3
40°	91.2	91.2	91.2	91.8	91.8
42.5°	81.8	81.8	81.8	82.4	82.9
45°	73.5	73.5	73.5	73.5	74.1
47.5°	65.9	65.9	65.9	66.5	66.5
50°	58.8	58.2	58.8	59.4	58.8
52.5°	52.4	52.4	52.4	52.4	52.9
55°	46.5	46.5	46.5	46.5	47.1
57.5°	41.2	41.2	41.2	41.8	41.8
60°	36.5	36.5	36.5	36.5	36.5
62.5°	31.8	31.8	31.8	31.8	31.8
65°	27.6	27.1	27.6	27.6	27.6
67.5°	23.5	23.5	23.5	23.5	23.5
70°	20.0	20.0	20.0	20.0	20.0
72.5°	16.5	16.5	16.5	16.5	16.5
75°	13.5	12.9	12.9	13.5	13.5
77.5°	10.6	10.0	10.6	10.6	10.6
80°	7.6	7.6	7.6	7.6	7.6
82.5°	4.7	4.7	4.7	5.3	5.3
85°	2.4	2.4	2.4	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)