

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: P1312532

Luminaire Tested: LDSQA3D13R209050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312532
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: LDSQA3D13R209050DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

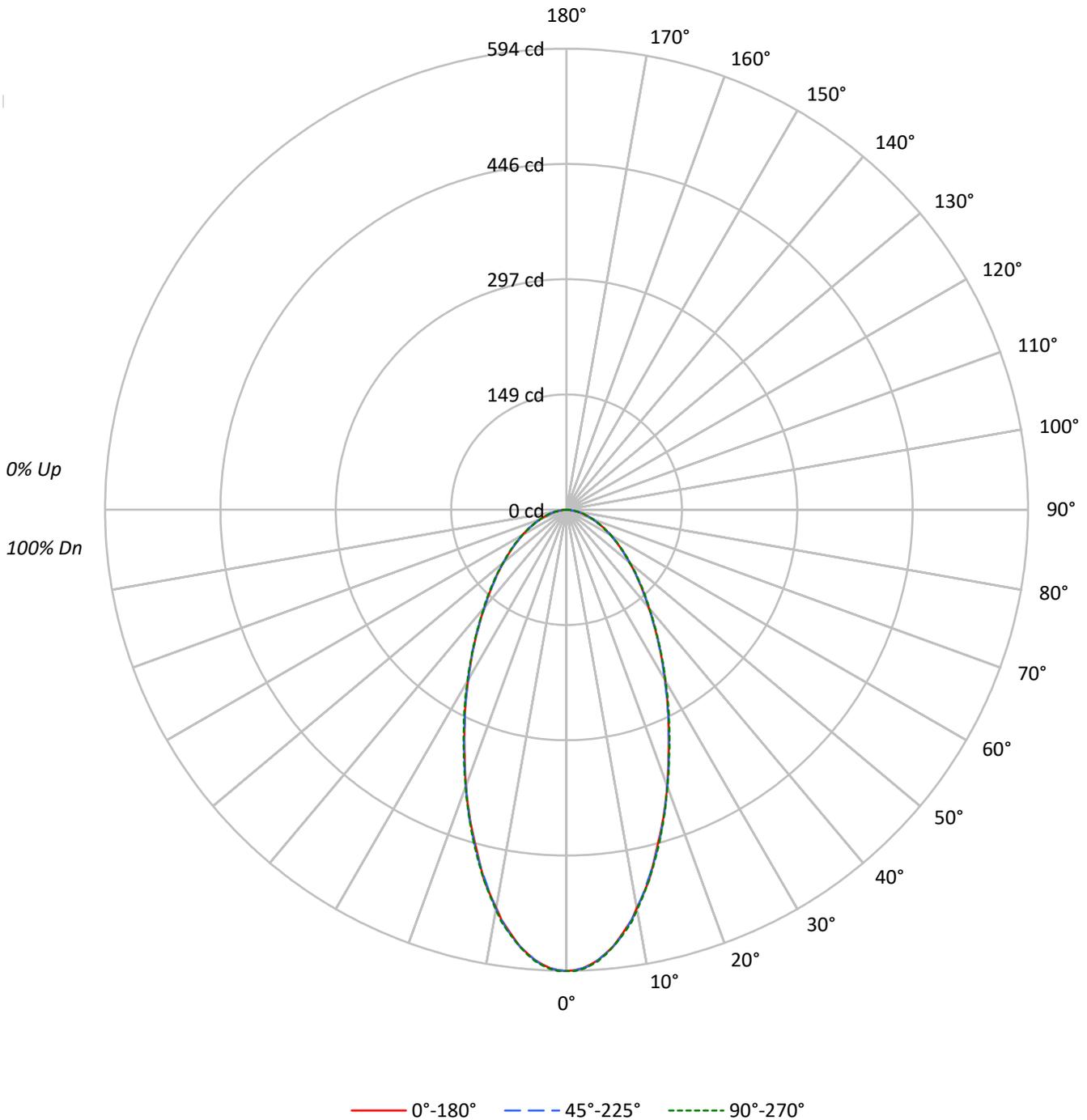
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 711.0 lumens
Efficiency: N/A
Efficacy: 48.7 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): 14.6
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°	102369	102369	102369
5°	99285	99285	99458
10°	91147	91322	91514
15°	80252	80626	80822
20°	69443	69443	69645
25°	59098	59098	59497
30°	50452	50233	50671
35°	43079	43079	43289
40°	36983	36983	37230
45°	32320	32320	32564
50°	28427	28427	28427
55°	25192	25192	25492
60°	22664	22664	22664
65°	20335	20335	20335
70°	18178	18178	18178
75°	16236	15571	16236
80°	13687	13687	13687
85°	8299	8299	10473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 32564 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	7.5
10°-20°	125.9	17.7
20°-30°	143.3	20.2
30°-40°	128.7	18.1
40°-50°	103.1	14.5
50°-60°	75.8	10.7
60°-70°	49.5	7.0
70°-80°	25.7	3.6
80°-90°	6.0	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°	322.3	45.3
0°-40°	451.0	63.4
0°-60°	629.8	88.6
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	594	594	594	594	594	
5°	574	574	574	574	575	53
15°	450	450	452	452	453	126
25°	311	311	311	312	313	143
35°	205	205	205	205	206	129
45°	133	133	133	133	134	103
55°	84	84	84	84	85	76
65°	50	49	50	50	50	50
75°	24	23	23	24	24	26
85°	4	4	4	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	594.4	594.4	594.4	594.4	594.4
1°	593.4	592.3	593.4	593.4	594.4
2°	591.2	591.2	591.2	590.2	592.3
3°	587.0	587.0	588.1	587.0	588.1
4°	581.7	581.7	581.7	580.6	582.8
5°	574.3	574.3	574.3	574.3	575.3
6°	566.8	565.8	566.8	565.8	566.8
7°	556.2	556.2	557.3	556.2	557.3
8°	545.6	544.5	546.7	545.6	547.7
9°	535.0	533.9	535.0	533.9	537.1
10°	521.2	522.2	522.2	522.2	523.3
12.5°	489.3	487.2	487.2	487.2	489.3
15°	450.1	450.1	452.2	452.2	453.3
17.5°	415.0	414.0	416.1	416.1	416.1
20°	378.9	377.9	378.9	378.9	380.0
22.5°	342.9	343.9	343.9	343.9	345.0
25°	311.0	311.0	311.0	312.1	313.1
27.5°	281.3	280.2	281.3	282.4	283.4
30°	253.7	252.6	252.6	253.7	254.8
32.5°	228.2	227.2	228.2	228.2	229.3
35°	204.9	204.9	204.9	204.9	205.9
37.5°	183.6	183.6	183.6	184.7	184.7
40°	164.5	164.5	164.5	165.6	165.6
42.5°	147.5	147.5	147.5	148.6	149.7
45°	132.7	132.7	132.7	132.7	133.7
47.5°	118.9	118.9	118.9	119.9	119.9
50°	106.1	105.1	106.1	107.2	106.1
52.5°	94.5	94.5	94.5	94.5	95.5
55°	83.9	83.9	83.9	83.9	84.9
57.5°	74.3	74.3	74.3	75.4	75.4
60°	65.8	65.8	65.8	65.8	65.8
62.5°	57.3	57.3	57.3	57.3	57.3
65°	49.9	48.8	49.9	49.9	49.9
67.5°	42.5	42.5	42.5	42.5	42.5
70°	36.1	36.1	36.1	36.1	36.1
72.5°	29.7	29.7	29.7	29.7	29.7
75°	24.4	23.4	23.4	24.4	24.4
77.5°	19.1	18.0	19.1	19.1	19.1
80°	13.8	13.8	13.8	13.8	13.8
82.5°	8.5	8.5	8.5	9.6	9.6
85°	4.2	4.2	4.2	5.3	5.3
87.5°	1.1	1.1	1.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)