

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: P1310169

Luminaire Tested: LDSQA3D09R209035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310169
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: LDSQA3D09R209035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

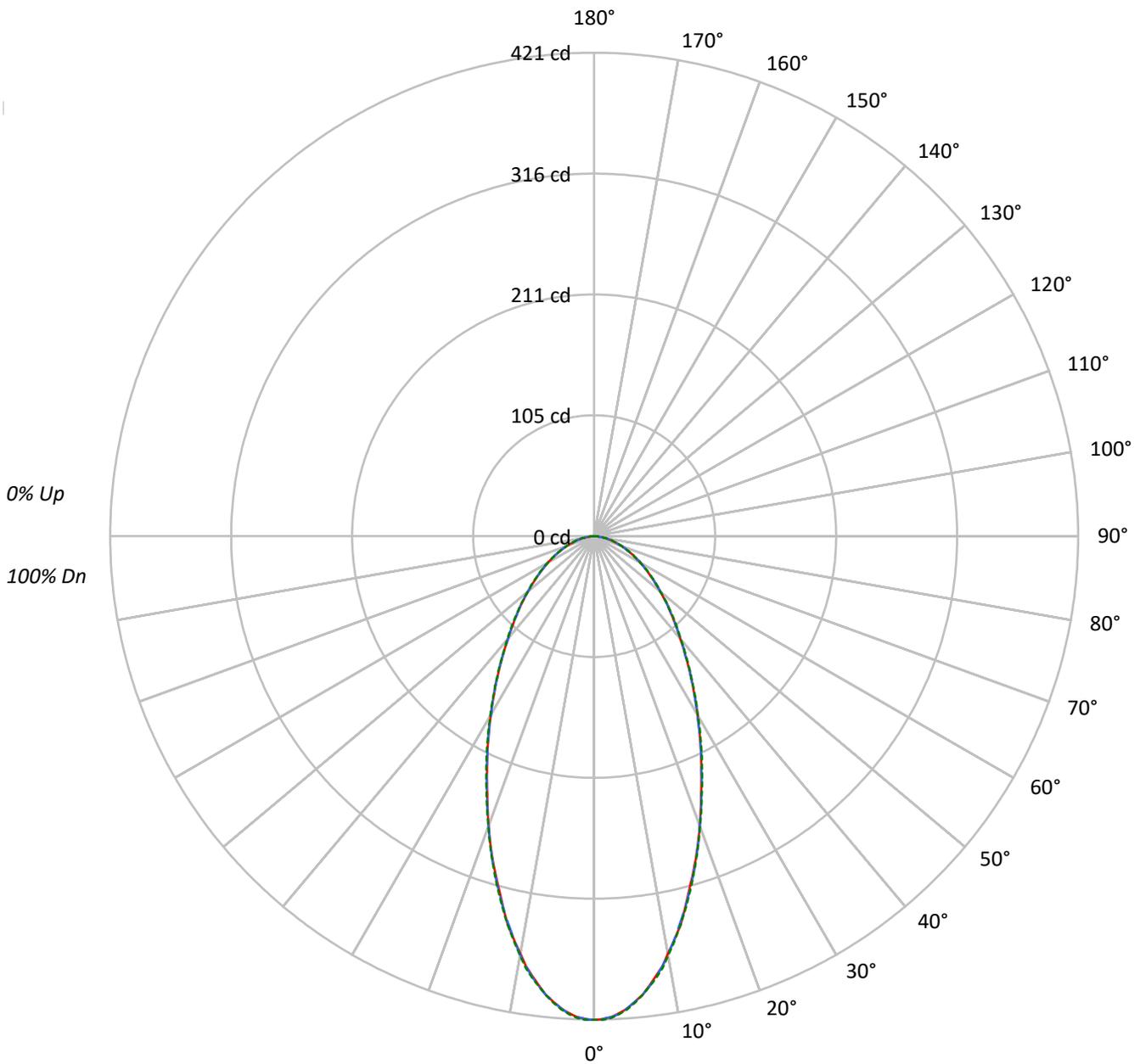
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 504.0 lumens
Efficiency: N/A
Efficacy: 45.4 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): 11.1
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72575	72575	72575
5°	70380	70380	70501
10°	64600	64740	64880
15°	56877	57145	57287
20°	49228	49228	49374
25°	41901	41901	42186
30°	35756	35617	35915
35°	30528	30528	30696
40°	26214	26214	26394
45°	22919	22919	23089
50°	20148	20148	20148
55°	17836	17836	18076
60°	16086	16086	16086
65°	14426	14426	14426
70°	12891	12891	12891
75°	11512	11046	11512
80°	9720	9720	9720
85°	5928	5928	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 23089 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	7.5
10°-20°	89.2	17.7
20°-30°	101.6	20.2
30°-40°	91.2	18.1
40°-50°	73.1	14.5
50°-60°	53.7	10.7
60°-70°	35.1	7.0
70°-80°	18.2	3.6
80°-90°	4.2	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°	228.5	45.3
0°-40°	319.7	63.4
0°-60°	446.5	88.6
0°-90°	504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	421	421	421	421	421	
5°	407	407	407	407	408	38
15°	319	319	320	320	321	89
25°	220	220	220	221	222	101
35°	145	145	145	145	146	91
45°	94	94	94	94	95	73
55°	59	59	59	59	60	54
65°	35	35	35	35	35	35
75°	17	17	17	17	17	18
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	421.4	421.4	421.4	421.4	421.4
1°	420.6	419.9	420.6	420.6	421.4
2°	419.1	419.1	419.1	418.4	419.9
3°	416.1	416.1	416.9	416.1	416.9
4°	412.3	412.3	412.3	411.6	413.1
5°	407.1	407.1	407.1	407.1	407.8
6°	401.8	401.1	401.8	401.1	401.8
7°	394.3	394.3	395.0	394.3	395.0
8°	386.8	386.0	387.5	386.8	388.3
9°	379.2	378.5	379.2	378.5	380.7
10°	369.4	370.2	370.2	370.2	371.0
12.5°	346.9	345.4	345.4	345.4	346.9
15°	319.0	319.0	320.5	320.5	321.3
17.5°	294.2	293.5	295.0	295.0	295.0
20°	268.6	267.9	268.6	268.6	269.4
22.5°	243.0	243.8	243.8	243.8	244.5
25°	220.5	220.5	220.5	221.2	222.0
27.5°	199.4	198.6	199.4	200.1	200.9
30°	179.8	179.1	179.1	179.8	180.6
32.5°	161.8	161.0	161.8	161.8	162.5
35°	145.2	145.2	145.2	145.2	146.0
37.5°	130.2	130.2	130.2	130.9	130.9
40°	116.6	116.6	116.6	117.4	117.4
42.5°	104.6	104.6	104.6	105.3	106.1
45°	94.1	94.1	94.1	94.1	94.8
47.5°	84.3	84.3	84.3	85.0	85.0
50°	75.2	74.5	75.2	76.0	75.2
52.5°	67.0	67.0	67.0	67.0	67.7
55°	59.4	59.4	59.4	59.4	60.2
57.5°	52.7	52.7	52.7	53.4	53.4
60°	46.7	46.7	46.7	46.7	46.7
62.5°	40.6	40.6	40.6	40.6	40.6
65°	35.4	34.6	35.4	35.4	35.4
67.5°	30.1	30.1	30.1	30.1	30.1
70°	25.6	25.6	25.6	25.6	25.6
72.5°	21.1	21.1	21.1	21.1	21.1
75°	17.3	16.6	16.6	17.3	17.3
77.5°	13.5	12.8	13.5	13.5	13.5
80°	9.8	9.8	9.8	9.8	9.8
82.5°	6.0	6.0	6.0	6.8	6.8
85°	3.0	3.0	3.0	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)