

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: P1317293

Luminaire Tested: LDSQA3D09R159827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

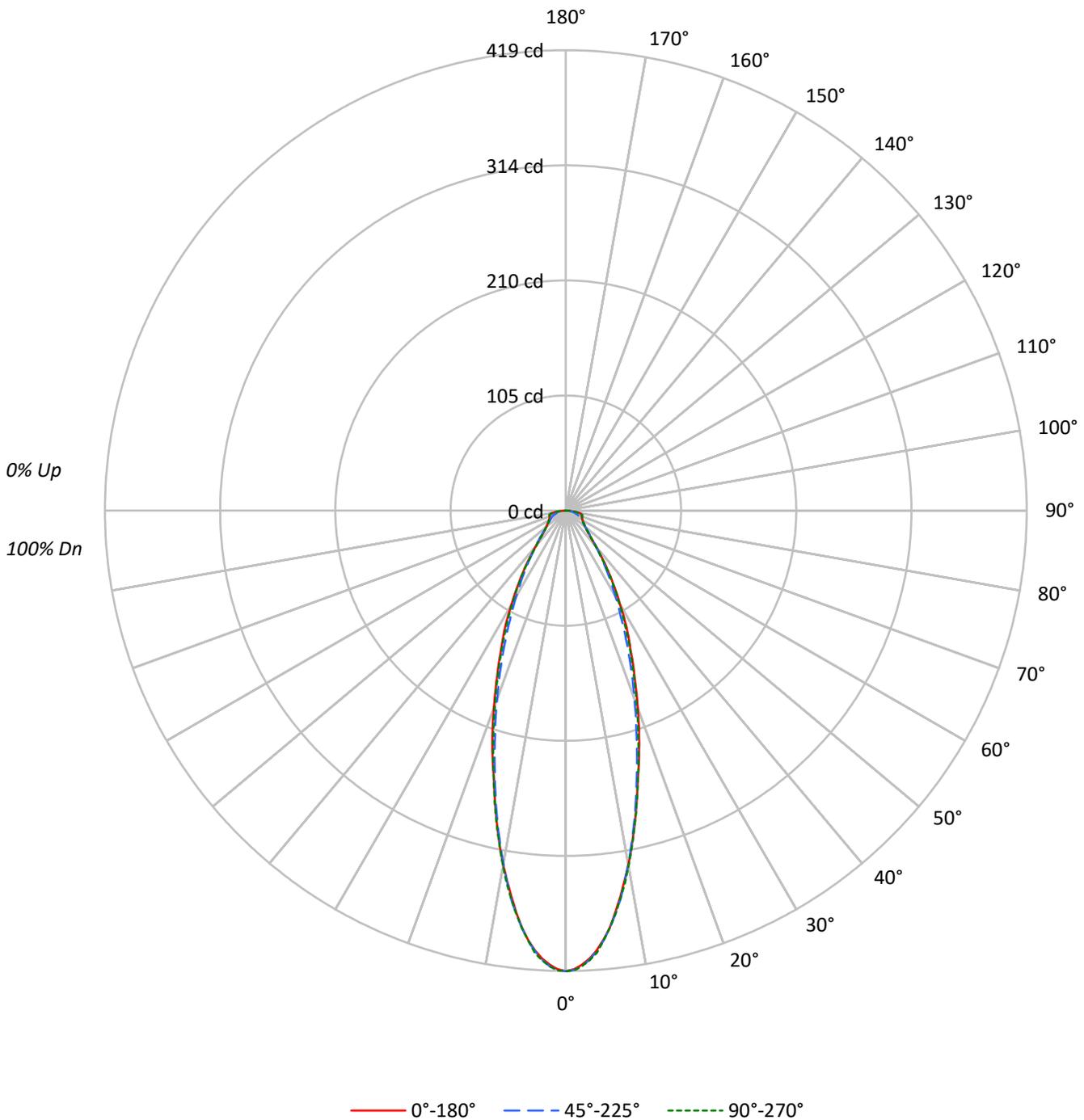
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73	73	73	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61	61	61	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53	53	53	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47	47	47	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72196	72196	72196
5°	67804	67890	67890
10°	57273	57098	57448
15°	45038	44414	45127
20°	35006	33411	34529
25°	26414	24589	26034
30°	19648	17918	19250
35°	14023	13056	13813
40°	9510	9622	9398
45°	7063	7453	7063
50°	6136	6136	6136
55°	5975	5645	5975
60°	6131	5614	5959
65°	6642	5827	6642
70°	7956	5891	7956
75°	10181	6122	10181
80°	12596	6546	12100
85°	10078	6126	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 12596 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	12.6
10°-20°	69.9	24.9
20°-30°	61.8	22.0
30°-40°	40.6	14.4
40°-50°	23.7	8.4
50°-60°	17.5	6.2
60°-70°	14.9	5.3
70°-80°	12.3	4.4
80°-90°	5.1	1.8
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°	167.0	59.4
0°-40°	207.6	73.9
0°-60°	248.8	88.5
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	392	392	393	393	393	35
15°	253	253	249	252	253	71
25°	139	134	129	133	137	64
35°	67	64	62	64	66	42
45°	29	30	31	30	29	23
55°	20	19	19	19	20	18
65°	16	15	14	15	16	16
75°	15	11	9	12	15	16
85°	5	6	3	5	6	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.2	419.2	419.2	419.2	419.2
1°	417.6	418.1	418.1	418.7	418.7
2°	413.6	414.6	415.1	415.1	415.1
3°	408.5	409.0	409.5	410.0	410.0
4°	401.3	401.9	401.9	402.9	403.4
5°	392.2	392.2	392.7	393.2	392.7
6°	381.5	381.5	382.0	382.0	382.0
7°	368.7	369.3	369.8	370.3	369.8
8°	355.0	355.5	357.0	357.0	356.5
9°	341.2	341.8	341.8	343.3	343.3
10°	327.5	327.5	326.5	327.5	328.5
12.5°	290.3	289.8	288.3	289.8	290.8
15°	252.6	252.6	249.1	252.1	253.1
17.5°	222.1	217.5	213.9	217.0	219.5
20°	191.0	186.4	182.3	185.4	188.4
22.5°	163.0	159.4	154.3	157.4	160.9
25°	139.0	134.5	129.4	132.9	137.0
27.5°	119.2	113.1	108.0	112.0	115.6
30°	98.8	94.7	90.1	93.2	96.8
32.5°	81.5	78.4	74.9	77.4	80.5
35°	66.7	64.2	62.1	63.7	65.7
37.5°	53.5	52.5	51.4	52.0	52.0
40°	42.3	42.8	42.8	42.8	41.8
42.5°	34.6	35.1	36.2	35.1	34.6
45°	29.0	29.5	30.6	29.5	29.0
47.5°	25.5	26.0	26.5	25.5	25.5
50°	22.9	22.9	22.9	22.9	22.9
52.5°	21.4	20.9	20.9	20.9	21.4
55°	19.9	19.4	18.8	19.4	19.9
57.5°	18.3	17.8	17.3	17.8	18.3
60°	17.8	16.8	16.3	16.8	17.3
62.5°	16.8	15.8	15.3	15.8	16.8
65°	16.3	14.8	14.3	14.8	16.3
67.5°	15.8	13.8	12.7	13.8	15.8
70°	15.8	12.7	11.7	13.2	15.8
72.5°	15.3	12.2	10.2	12.2	15.3
75°	15.3	11.2	9.2	11.7	15.3
77.5°	14.3	10.2	7.6	10.7	14.3
80°	12.7	9.2	6.6	9.7	12.2
82.5°	9.2	7.6	5.1	7.6	9.2
85°	5.1	5.6	3.1	5.1	5.6
87.5°	0.5	1.5	1.0	3.1	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)