

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: P1317308

Luminaire Tested: LDSQA3D09R209827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

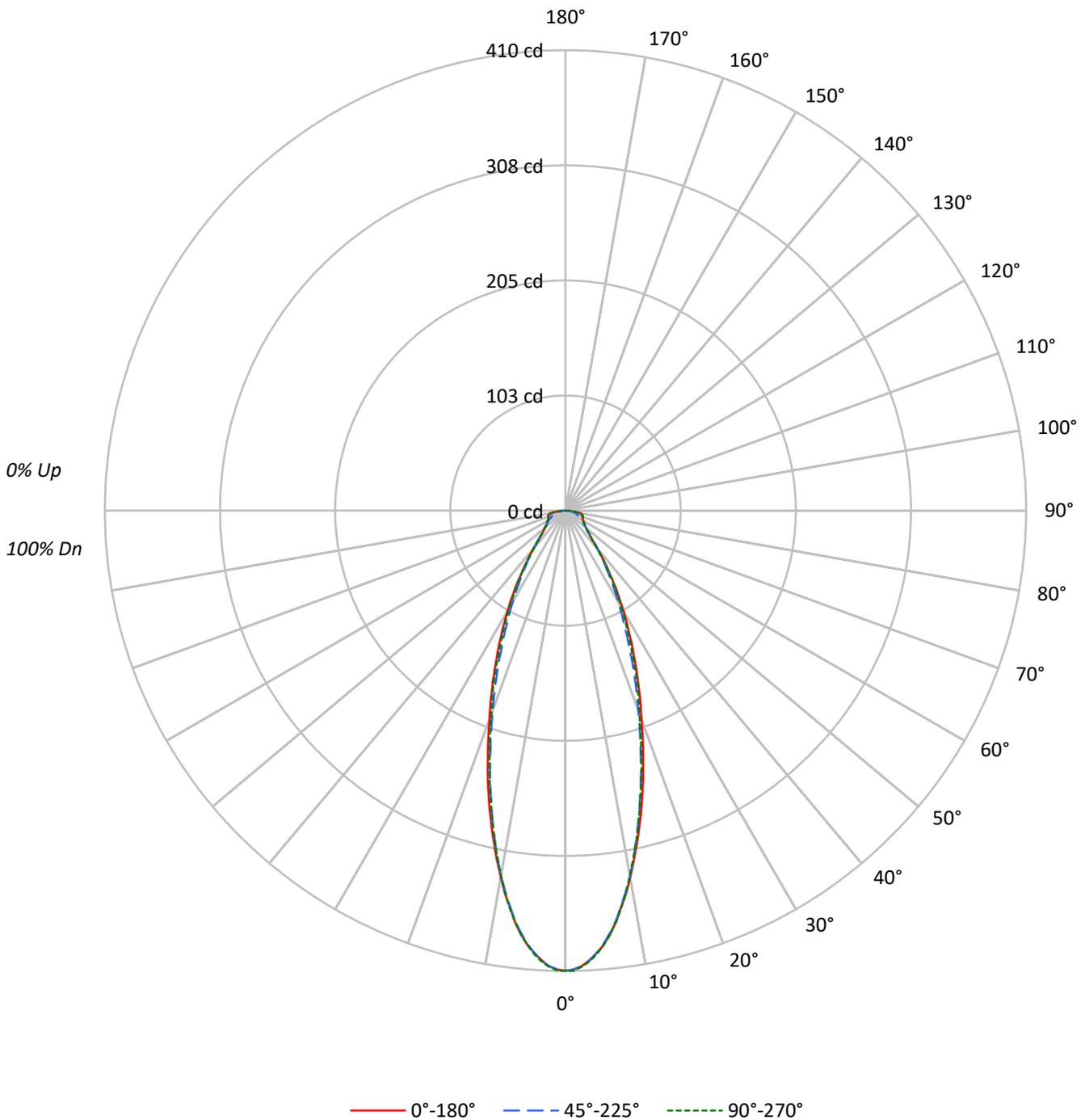
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 289.0 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70577	70577	70577
5°	67147	66974	67147
10°	57973	57798	57710
15°	47053	45965	46144
20°	36252	34657	35317
25°	27535	25502	26756
30°	20423	18614	19827
35°	14423	13477	14213
40°	9937	9937	9712
45°	7307	7672	7307
50°	6404	6404	6404
55°	6095	5945	6095
60°	6303	5787	6303
65°	6846	5787	6846
70°	8208	5891	8208
75°	10514	6455	10514
80°	13092	6546	12596
85°	10078	6126	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 13092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	12.2
10°-20°	71.8	24.8
20°-30°	64.1	22.2
30°-40°	42.1	14.6
40°-50°	24.4	8.5
50°-60°	18.2	6.3
60°-70°	15.3	5.3
70°-80°	12.7	4.4
80°-90°	5.3	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°	171.0	59.2
0°-40°	213.1	73.7
0°-60°	255.7	88.5
0°-90°	289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	410	410	410	410	410	
5°	388	388	387	388	388	35
15°	264	261	258	258	259	73
25°	145	141	134	138	141	67
35°	69	67	64	66	68	44
45°	30	30	32	30	30	24
55°	20	20	20	20	20	18
65°	17	15	14	15	17	17
75°	16	12	10	12	16	16
85°	5	6	3	6	6	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	409.8	409.8	409.8	409.8	409.8
1°	408.8	409.3	408.8	409.3	409.8
2°	406.2	406.7	406.2	406.2	406.7
3°	401.2	401.7	401.7	401.7	402.2
4°	395.1	395.6	395.1	395.6	396.1
5°	388.4	387.9	387.4	387.9	388.4
6°	379.3	378.8	378.3	378.8	379.3
7°	369.1	368.6	368.1	368.1	368.6
8°	356.4	356.9	355.4	356.4	356.9
9°	345.2	344.2	343.2	343.2	344.2
10°	331.5	330.5	330.5	330.0	330.0
12.5°	297.9	295.9	294.4	294.4	294.9
15°	263.9	261.3	257.8	258.3	258.8
17.5°	229.8	226.8	222.2	223.2	224.2
20°	197.8	194.7	189.1	191.2	192.7
22.5°	170.3	165.8	160.7	162.2	167.3
25°	144.9	140.8	134.2	137.8	140.8
27.5°	122.5	118.0	112.4	115.9	119.0
30°	102.7	98.6	93.6	96.6	99.7
32.5°	84.9	81.3	77.8	79.8	82.4
35°	68.6	66.6	64.1	66.1	67.6
37.5°	55.4	54.4	53.4	54.4	53.9
40°	44.2	44.7	44.2	44.2	43.2
42.5°	35.1	36.6	37.1	36.1	35.1
45°	30.0	30.5	31.5	30.5	30.0
47.5°	26.4	26.4	26.9	26.4	25.9
50°	23.9	23.9	23.9	23.9	23.9
52.5°	21.9	21.9	21.4	21.9	21.9
55°	20.3	19.8	19.8	19.8	20.3
57.5°	19.3	18.8	18.3	18.8	19.3
60°	18.3	17.3	16.8	17.3	18.3
62.5°	17.3	16.3	15.8	16.3	17.3
65°	16.8	15.3	14.2	15.3	16.8
67.5°	16.3	14.2	13.2	14.2	16.8
70°	16.3	13.2	11.7	13.7	16.3
72.5°	15.8	12.7	10.7	12.7	15.8
75°	15.8	11.7	9.7	11.7	15.8
77.5°	14.7	10.7	8.1	10.7	14.7
80°	13.2	9.7	6.6	9.7	12.7
82.5°	9.7	8.1	5.1	8.1	9.7
85°	5.1	5.6	3.1	5.6	5.6
87.5°	0.5	2.0	1.0	3.1	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)