

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: P1312476

Luminaire Tested: LDSQA3D09R709050DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709050DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

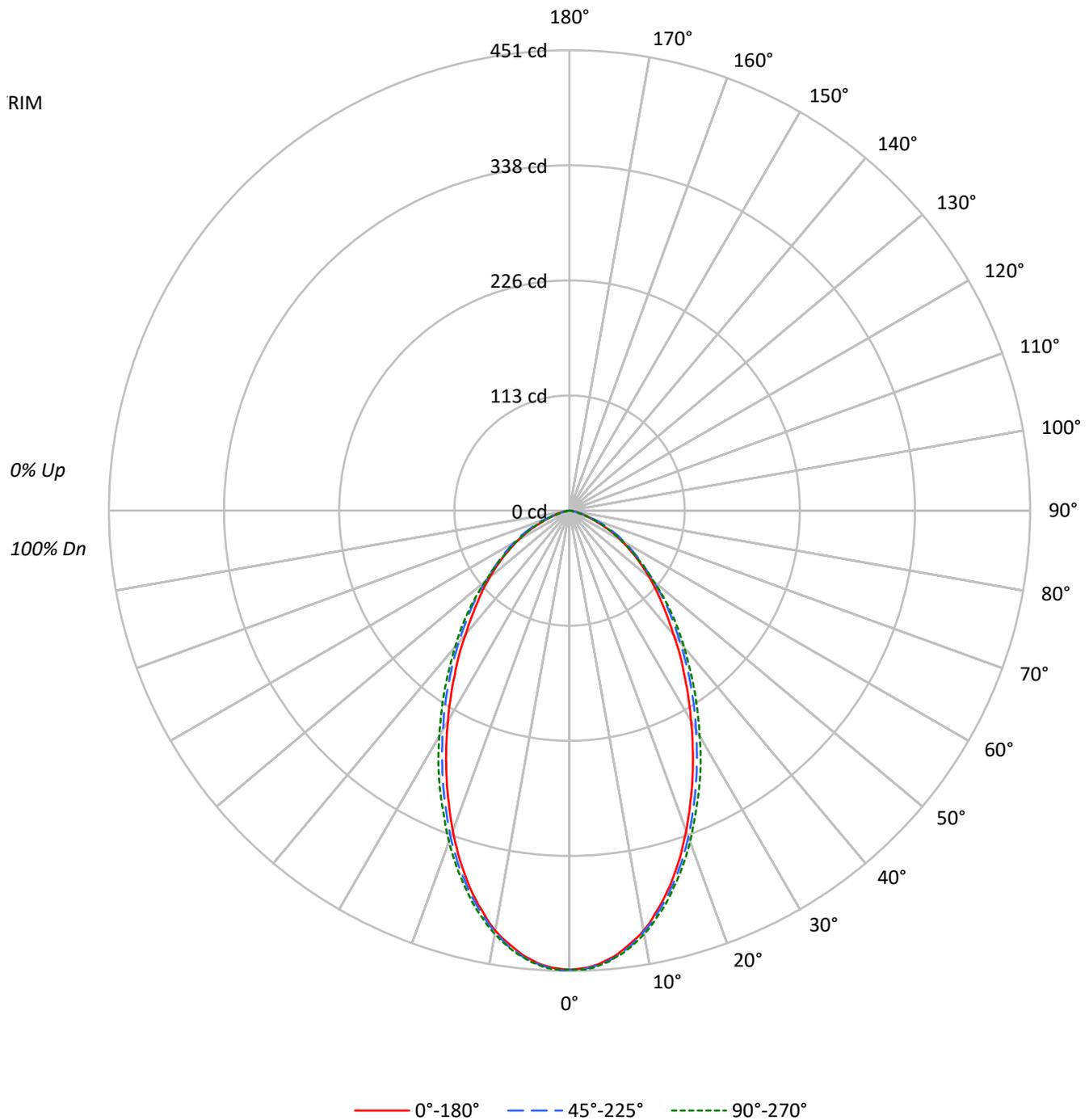
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 644.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
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 (A_{in}): 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	102	109	106	103	100	101	99	97	98	96	94	94	93	91	91	91	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	80	80	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	64	64	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	52	52	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77466	77466	77466
5°	76258	76534	76673
10°	73082	73222	73642
15°	67807	68377	68948
20°	61214	62387	63267
25°	54215	55716	57084
30°	47350	49259	50691
35°	41166	43331	44677
40°	35567	37905	39164
45°	31127	33270	34244
50°	27409	28695	28695
55°	23751	24952	24231
60°	20081	21459	20357
65°	15649	17890	16301
70°	11279	13294	11279
75°	8517	7985	6388
80°	5554	3967	1587
85°	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 34244 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	6.4
10°-20°	107.1	16.6
20°-30°	134.4	20.9
30°-40°	128.3	19.9
40°-50°	104.4	16.2
50°-60°	73.1	11.3
60°-70°	41.3	6.4
70°-80°	13.1	2.0
80°-90°	1.0	0.2
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°	282.9	43.9
0°-40°	411.3	63.9
0°-60°	588.7	91.4
0°-90°	644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	441	442	443	442	444	41
15°	380	381	384	384	387	106
25°	285	288	293	298	300	131
35°	196	199	206	210	212	123
45°	128	131	137	139	141	99
55°	79	80	83	82	81	71
65°	38	41	44	42	40	39
75°	13	13	12	10	10	14
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	449.8	449.8	449.8	449.8	449.8
1°	449.1	449.8	450.6	449.1	449.8
2°	448.3	449.1	449.1	448.3	449.8
3°	446.7	447.5	447.5	446.7	448.3
4°	444.3	445.1	445.1	444.3	445.9
5°	441.1	441.9	442.7	441.9	443.5
6°	437.9	438.7	439.5	438.7	439.5
7°	433.1	434.7	434.7	434.7	436.3
8°	428.3	429.9	430.7	429.9	431.5
9°	423.5	424.3	425.1	425.1	426.7
10°	417.9	418.7	418.7	419.5	421.1
11°	411.5	411.5	413.1	413.1	415.5
12°	403.5	404.3	405.9	406.7	408.3
13°	396.3	397.1	398.7	399.5	401.9
14°	388.3	389.9	391.5	392.3	394.7
15°	380.3	381.1	383.5	384.3	386.7
17.5°	358.0	358.8	362.8	364.4	366.8
20°	334.0	336.4	340.4	342.8	345.2
22.5°	309.2	311.6	316.4	320.4	322.0
25°	285.3	288.4	293.2	298.0	300.4
27.5°	261.3	264.5	270.1	274.9	278.1
30°	238.1	241.3	247.7	251.7	254.9
32.5°	216.5	219.7	226.9	230.9	233.3
35°	195.8	199.0	206.1	210.1	212.5
37.5°	177.4	180.6	187.0	191.0	192.6
40°	158.2	162.2	168.6	172.6	174.2
42.5°	142.2	145.4	151.8	155.0	157.4
45°	127.8	131.0	136.6	139.0	140.6
47.5°	115.1	116.7	121.5	122.3	123.8
50°	102.3	103.9	107.1	107.9	107.1
52.5°	90.3	91.9	94.3	93.5	93.5
55°	79.1	79.9	83.1	81.5	80.7
57.5°	67.9	69.5	72.7	70.3	69.5
60°	58.3	59.9	62.3	60.7	59.1
62.5°	48.7	49.5	53.5	50.3	48.7
65°	38.4	40.8	43.9	41.5	40.0
67.5°	28.8	32.8	36.0	32.8	31.2
70°	22.4	24.0	26.4	24.8	22.4
72.5°	16.8	17.6	18.4	16.8	15.2
75°	12.8	12.8	12.0	10.4	9.6
77.5°	8.8	8.8	7.2	4.8	4.8
80°	5.6	5.6	4.0	1.6	1.6
82.5°	2.4	2.4	1.6	0.8	0.8
85°	0.8	0.8	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)