

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: P1312174

Luminaire Tested: LDSQA3D02R709050DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709050DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

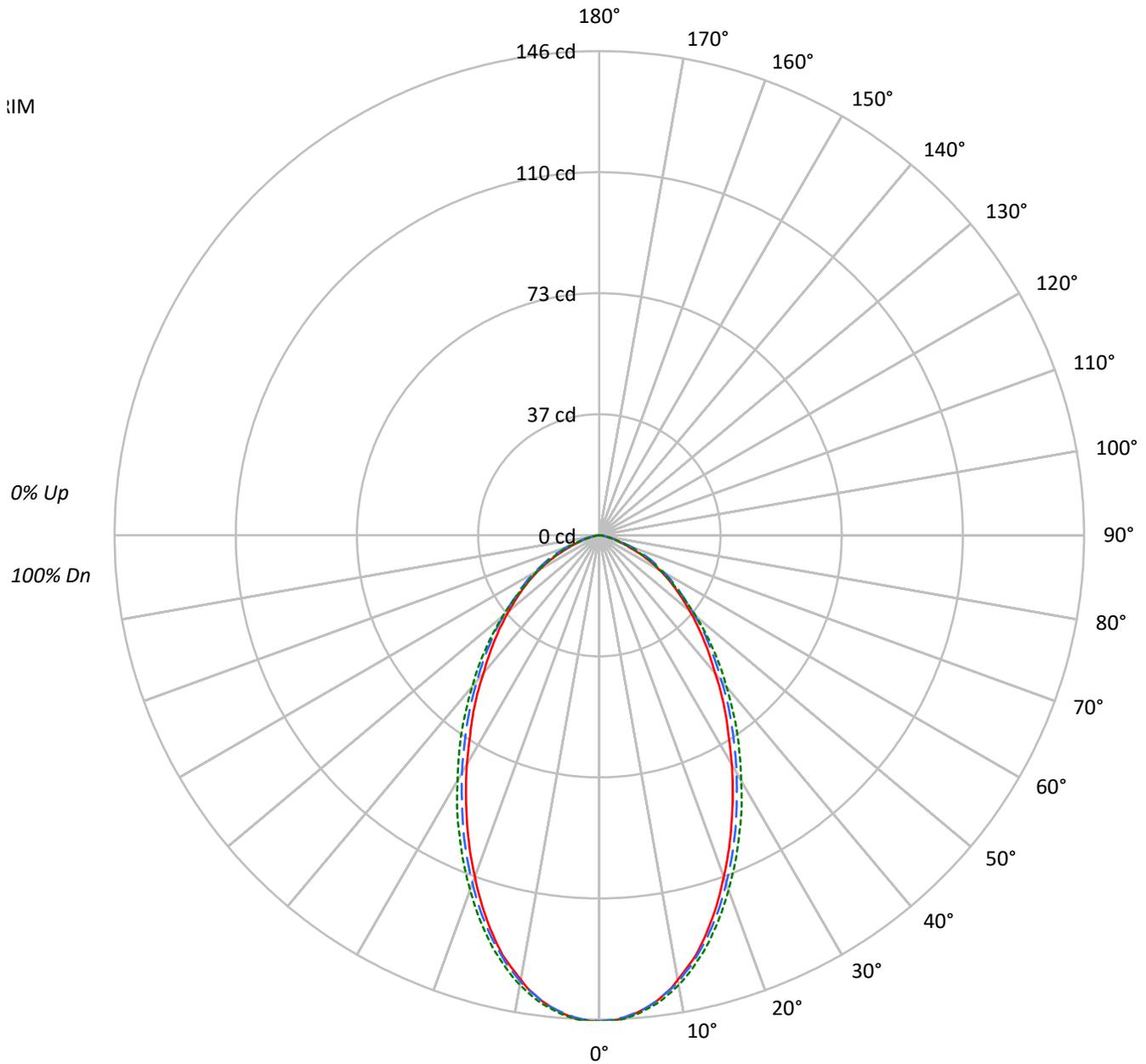
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 220.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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



— 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	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	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	80	80	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	42	42	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	39	39	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	36	36	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25231	25231	25231
5°	24878	24878	24964
10°	23801	23906	24081
15°	22180	22376	22662
20°	20087	20472	20857
25°	17939	18452	18946
30°	15869	16446	16983
35°	13981	14591	15201
40°	12185	12860	13399
45°	10814	11399	11788
50°	9538	10047	10181
55°	8377	8858	8617
60°	7233	7784	7406
65°	5746	6724	6072
70°	4129	5237	4532
75°	3194	3394	2861
80°	2083	2083	1587
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 11788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	6.1
10°-20°	35.1	15.9
20°-30°	44.6	20.2
30°-40°	43.4	19.7
40°-50°	36.0	16.4
50°-60°	26.0	11.8
60°-70°	15.3	7.0
70°-80°	5.4	2.5
80°-90°	0.8	0.4
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°	93.1	42.3
0°-40°	136.5	62.0
0°-60°	198.5	90.2
0°-90°	220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	146	146	146	146	146	
5°	144	144	144	144	144	13
15°	124	124	126	126	127	35
25°	94	96	97	99	100	43
35°	66	67	69	71	72	42
45°	44	45	47	48	48	34
55°	28	29	30	29	29	25
65°	14	15	16	16	15	14
75°	5	5	5	4	4	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	146.5	146.5	146.5	146.5	146.5
1°	146.5	146.3	146.3	146.3	146.5
2°	146.3	146.0	146.0	146.0	146.3
3°	145.7	145.5	145.5	145.5	146.0
4°	144.9	144.4	144.7	144.7	145.2
5°	143.9	143.6	143.9	143.9	144.4
6°	142.8	142.5	142.8	142.8	143.3
7°	141.5	141.2	141.5	141.7	142.3
8°	139.9	139.6	139.9	140.1	140.9
9°	138.3	138.0	138.5	138.8	139.3
10°	136.1	136.1	136.7	136.9	137.7
11°	134.0	134.0	134.6	135.1	135.9
12°	131.9	131.9	132.7	133.2	133.8
13°	129.8	129.5	130.3	130.8	131.6
14°	127.1	126.8	127.9	128.7	129.5
15°	124.4	124.4	125.5	126.3	127.1
17.5°	117.3	117.5	118.9	119.9	120.7
20°	109.6	110.4	111.7	113.0	113.8
22.5°	102.1	102.6	104.5	106.1	106.9
25°	94.4	95.5	97.1	98.9	99.7
27.5°	87.0	88.0	89.6	91.5	92.8
30°	79.8	80.6	82.7	84.6	85.4
32.5°	72.6	73.7	75.8	77.6	78.7
35°	66.5	67.3	69.4	71.3	72.3
37.5°	60.4	61.2	63.3	64.9	65.7
40°	54.2	55.6	57.2	58.8	59.6
42.5°	49.2	50.3	51.9	53.2	54.0
45°	44.4	45.2	46.8	47.9	48.4
47.5°	39.9	40.7	42.3	42.8	43.1
50°	35.6	36.4	37.5	37.8	38.0
52.5°	31.6	32.2	33.2	33.2	33.0
55°	27.9	28.7	29.5	29.3	28.7
57.5°	24.5	24.7	26.1	25.5	25.0
60°	21.0	21.5	22.6	22.1	21.5
62.5°	17.6	18.1	19.4	18.9	18.1
65°	14.1	15.2	16.5	15.7	14.9
67.5°	10.6	12.0	13.3	12.5	12.0
70°	8.2	9.3	10.4	9.6	9.0
72.5°	6.4	6.9	7.4	6.9	6.4
75°	4.8	5.1	5.1	4.5	4.3
77.5°	3.5	3.7	3.2	2.7	2.7
80°	2.1	2.4	2.1	1.6	1.6
82.5°	1.1	1.3	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.3	0.3	0.3	0.3	0.3



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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)