

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: P1312922

Luminaire Tested: LDSQA3D20R559050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559050D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

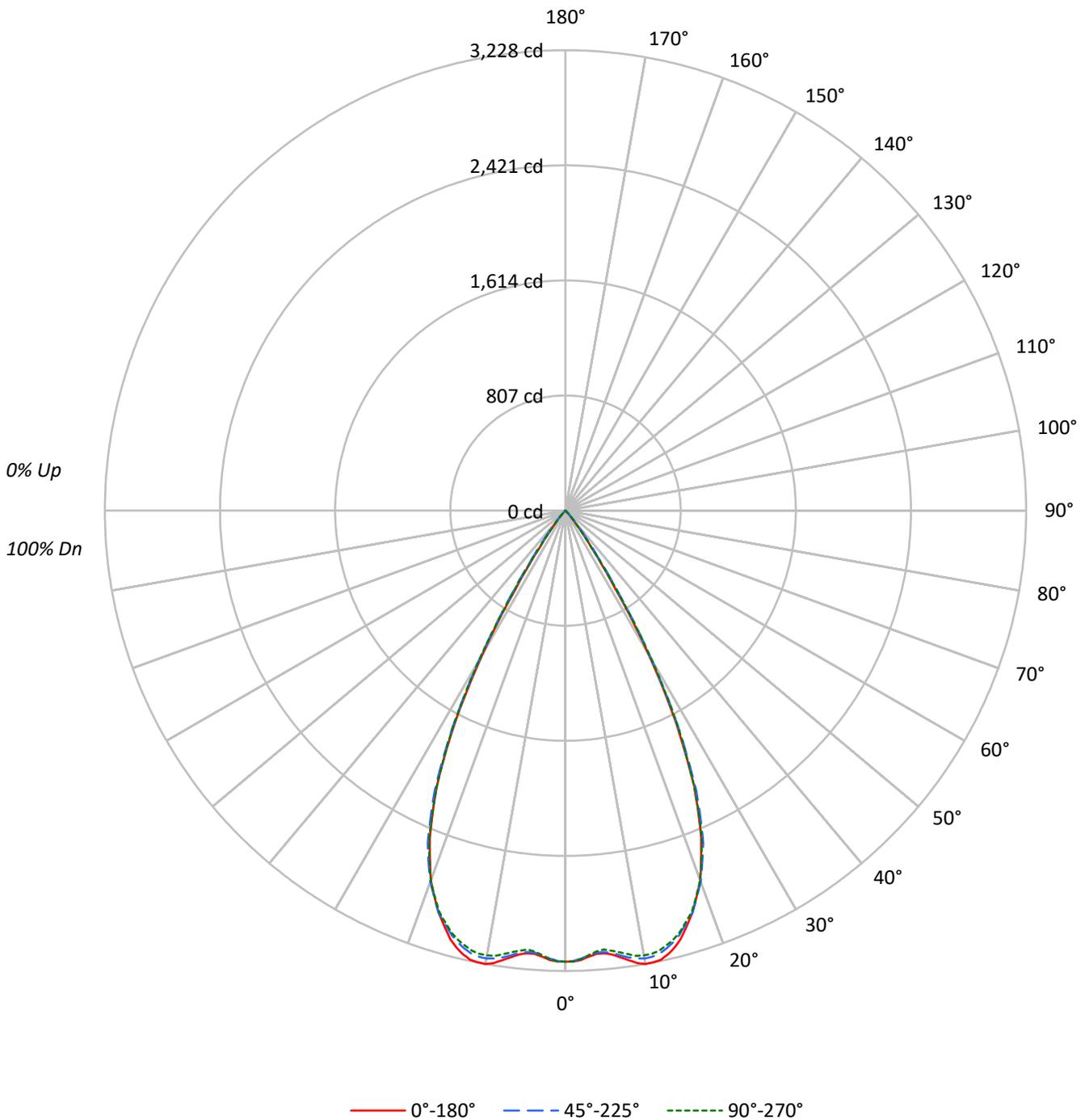
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2405.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

TEST NUMBER: P1312922
CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1312922
 CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MMS

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	544809	544809	544809
5°	538592	537001	534114
10°	564511	557743	553861
15°	555131	549211	547232
20°	505657	507691	505987
25°	405669	411978	405669
30°	232832	238718	240548
35°	66395	79977	68330
40°	17019	24505	17446
45°	1802	8549	1340
50°	0	1474	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8549 cd/sqm



TEST NUMBER: P1312922

CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.3	12.5
10°-20°	857.1	35.6
20°-30°	944.0	39.3
30°-40°	281.8	11.7
40°-50°	21.6	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2101.4	87.4
0°-40°	2383.2	99.1
0°-60°	2405.0	100.0
0°-90°	2405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2405.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3163	3163	3163	3163	3163	
5°	3115	3110	3106	3093	3090	302
15°	3114	3091	3080	3067	3069	863
25°	2135	2135	2168	2164	2135	935
35°	316	336	380	347	325	261
45°	7	18	35	18	6	14
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1312922
 CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3163.4	3163.4	3163.4	3163.4	3163.4
1°	3161.6	3161.6	3157.9	3156.0	3161.6
2°	3152.3	3152.3	3143.1	3141.2	3146.8
3°	3132.0	3130.2	3122.8	3117.2	3120.9
4°	3115.4	3111.7	3106.2	3096.9	3098.8
5°	3115.4	3109.9	3106.2	3093.2	3089.5
6°	3130.2	3126.5	3119.1	3106.2	3102.5
7°	3156.0	3148.6	3141.2	3124.6	3120.9
8°	3183.7	3178.2	3163.4	3146.8	3139.4
9°	3211.4	3198.5	3180.0	3163.4	3161.6
10°	3228.0	3209.6	3189.3	3168.9	3167.1
11°	3226.2	3209.6	3185.6	3167.1	3165.3
12°	3218.8	3194.8	3174.5	3152.3	3154.2
13°	3193.0	3170.8	3150.5	3133.9	3130.2
14°	3157.9	3137.6	3119.1	3102.5	3104.3
15°	3113.5	3091.4	3080.3	3067.4	3069.2
17.5°	2956.6	2951.0	2956.6	2941.8	2947.3
20°	2759.0	2753.4	2770.1	2762.7	2760.8
22.5°	2483.8	2491.2	2522.6	2513.4	2496.7
25°	2134.8	2134.8	2168.0	2164.3	2134.8
27.5°	1680.5	1693.4	1713.7	1723.0	1700.8
30°	1170.8	1200.4	1200.4	1218.8	1209.6
32.5°	653.7	716.5	731.3	740.5	703.6
35°	315.8	336.1	380.4	347.2	325.0
37.5°	151.4	160.7	205.0	166.2	155.1
40°	75.7	86.8	109.0	90.5	77.6
42.5°	31.4	46.2	57.2	46.2	31.4
45°	7.4	18.5	35.1	18.5	5.5
47.5°	0.0	1.8	16.6	3.7	0.0
50°	0.0	0.0	5.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312922
CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)