

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: P1307155

Luminaire Tested: LDSQA3D13R309024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

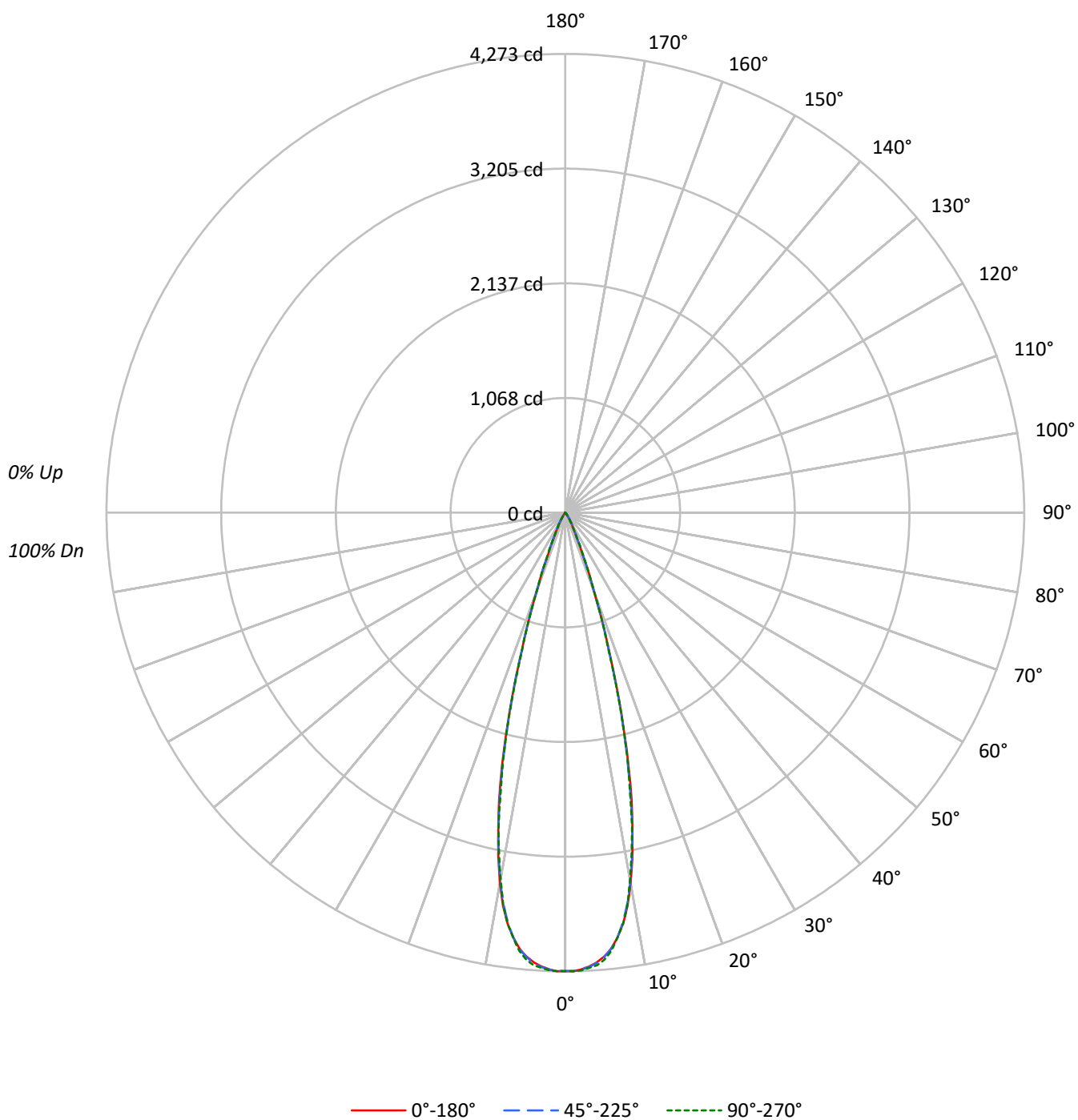
Lumens per Lamp: N/A
Luminaire Lumens: 1102.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

TEST NUMBER: P1307155

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307155

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	735528	735528	735528
5°	717592	718474	722485
10°	612865	610032	606429
15°	378206	373784	375157
20°	142937	143725	143578
25°	43972	48210	45929
30°	17719	22492	18415
35°	5235	9545	5403
40°	2113	3844	2113
45°	414	1242	414
50°	0	241	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: 1242 cd/sqm

TEST NUMBER: P1307155

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	34.2
10°-20°	557.7	50.6
20°-30°	138.3	12.6
30°-40°	26.0	2.4
40°-50°	3.3	0.3
50°-60°	0.0	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°	1072.7	97.3
0°-40°	1098.7	99.7
0°-60°	1102.0	100.0
0°-90°	1102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4271	4271	4271	4271	4271	
5°	4151	4149	4156	4163	4179	377
15°	2121	2101	2096	2113	2104	560
25°	231	247	254	253	242	133
35°	25	33	45	33	26	21
45°	2	3	5	3	2	2
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	

TEST NUMBER: P1307155

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4270.8	4270.8	4270.8	4270.8	4270.8
1°	4272.5	4269.1	4269.1	4263.9	4273.3
2°	4257.1	4253.6	4259.6	4255.3	4267.3
3°	4233.9	4229.6	4238.2	4240.8	4246.8
4°	4199.6	4196.2	4205.6	4210.8	4227.1
5°	4150.8	4149.1	4155.9	4162.8	4179.1
6°	4083.9	4081.4	4085.6	4094.2	4104.5
7°	3987.1	3981.9	3985.4	3987.1	3989.6
8°	3864.5	3856.8	3852.5	3861.9	3867.1
9°	3706.8	3698.2	3688.8	3685.4	3697.4
10°	3504.5	3491.7	3488.3	3479.7	3467.7
11°	3269.7	3259.4	3256.9	3241.4	3234.6
12°	3000.6	2995.5	3001.5	2992.0	2988.6
13°	2742.6	2710.0	2705.8	2687.8	2678.3
14°	2437.5	2407.5	2406.6	2397.2	2410.1
15°	2121.2	2100.7	2096.4	2112.7	2104.1
17.5°	1352.5	1366.2	1362.7	1354.2	1339.6
20°	779.9	770.5	784.2	787.6	783.4
22.5°	415.7	419.1	421.7	432.0	438.8
25°	231.4	246.8	253.7	252.8	241.7
27.5°	144.0	153.4	166.3	157.7	148.3
30°	89.1	96.8	113.1	97.7	92.6
32.5°	48.0	60.9	72.9	60.9	49.7
35°	24.9	32.6	45.4	33.4	25.7
37.5°	16.3	18.9	29.1	18.9	16.3
40°	9.4	12.0	17.1	12.0	9.4
42.5°	4.3	6.9	9.4	6.9	4.3
45°	1.7	2.6	5.1	3.4	1.7
47.5°	0.0	0.9	2.6	0.9	0.0
50°	0.0	0.0	0.9	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: P1307155

CATALOG NUMBER: LDSQA3D13R309024DE010 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)