

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: P1313578

Luminaire Tested: LDSQA3D09R609727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

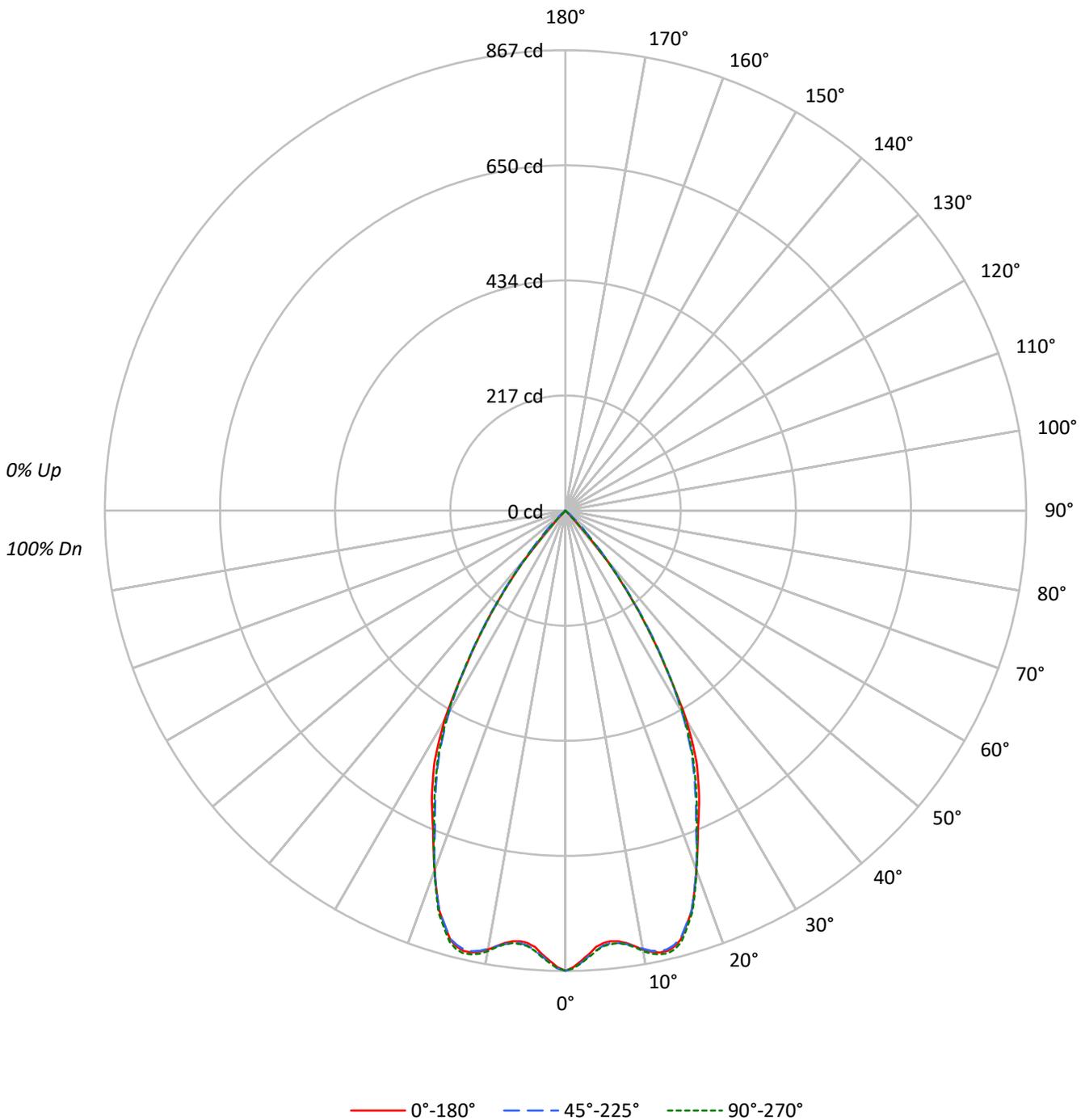
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 768.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
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 (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				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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149248	149248	149248
5°	141347	142090	142298
10°	146741	146514	147371
15°	149164	148950	150038
20°	132013	132013	132233
25°	113123	109740	110672
30°	90504	87203	88555
35°	56135	57292	56009
40°	24640	27136	25337
45°	292	8793	755
50°	0	991	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: 8793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	10.3
10°-20°	229.4	29.9
20°-30°	266.4	34.7
30°-40°	167.7	21.8
40°-50°	25.2	3.3
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°	575.0	74.9
0°-40°	742.7	96.7
0°-60°	768.0	100.0
0°-90°	768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	867	867	867	867	867	
5°	818	821	822	824	823	79
15°	837	834	835	841	842	229
25°	595	589	578	580	582	271
35°	267	268	272	267	266	167
45°	1	12	36	15	3	16
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866.6	866.6	866.6	866.6	866.6
1°	859.9	862.3	862.3	863.0	862.3
2°	848.3	851.9	851.9	853.8	852.5
3°	836.6	839.7	840.3	842.7	842.1
4°	823.8	828.7	830.5	831.7	831.1
5°	817.6	820.7	821.9	823.8	823.1
6°	815.2	817.6	818.9	820.7	820.7
7°	817.0	818.9	820.7	821.9	820.7
8°	822.5	824.4	824.4	826.8	825.0
9°	830.5	831.1	831.1	834.2	832.3
10°	839.1	837.8	837.8	842.1	842.7
11°	846.4	845.2	844.6	848.9	850.1
12°	850.7	848.3	848.3	853.8	854.4
13°	851.3	848.3	848.3	853.8	855.6
14°	846.4	842.7	843.4	849.5	851.3
15°	836.6	833.6	835.4	840.9	841.5
17.5°	790.1	788.2	789.5	793.1	793.7
20°	720.3	719.0	720.3	720.3	721.5
22.5°	651.0	648.0	641.9	645.5	646.1
25°	595.3	588.6	577.5	580.0	582.4
27.5°	534.1	525.5	513.9	516.9	517.5
30°	455.1	450.8	438.5	441.6	445.3
32.5°	351.6	363.2	355.8	355.2	355.8
35°	267.0	267.6	272.5	267.0	266.4
37.5°	186.8	187.4	191.1	185.0	185.6
40°	109.6	117.6	120.7	118.2	112.7
42.5°	34.3	60.6	68.6	59.4	38.0
45°	1.2	11.6	36.1	15.3	3.1
47.5°	0.0	0.6	17.1	1.2	0.0
50°	0.0	0.0	3.7	0.0	0.0
52.5°	0.0	0.0	0.6	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



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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)