

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: P1327136

Luminaire Tested: LDSQA3D09R60W2N902765DE010 3LSQCDR1MMS_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327136
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: LDSQA3D09R60W2N902765DE010 3LSQCDR1MMS_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 6500K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

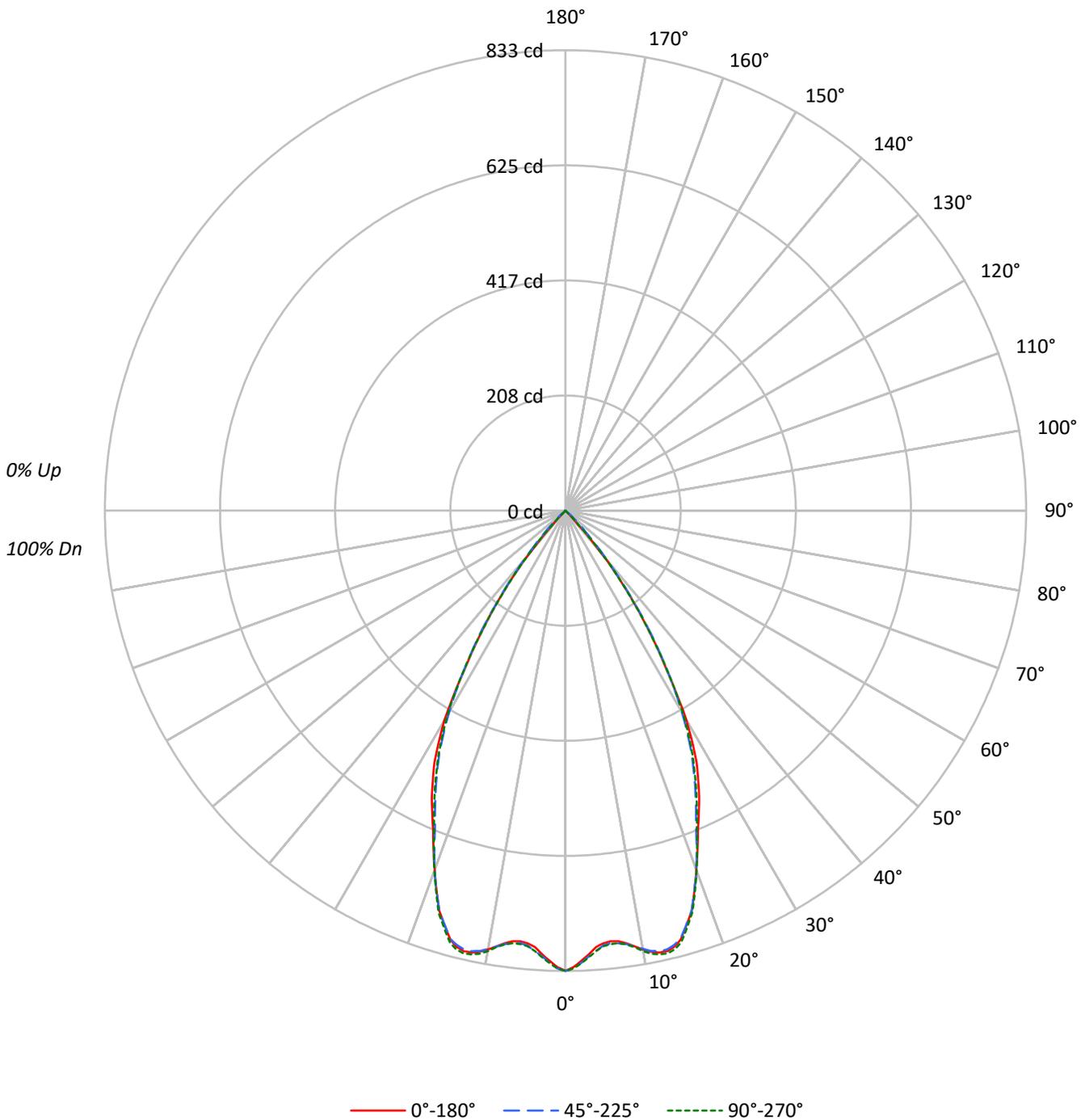
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 738.0 lumens
Efficiency: N/A
Efficacy: 82.0 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): 9
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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CATALOG NUMBER: LDSQA3D09R60W2N902765DE010 3LSQCDR1MMS_6500K

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	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°	143427	143427	143427
5°	135832	136541	136748
10°	141005	140795	141617
15°	143334	143138	144172
20°	126845	126845	127065
25°	108714	105465	106358
30°	86964	83802	85095
35°	53949	55063	53823
40°	23674	26057	24348
45°	292	8452	706
50°	0	938	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: 8452 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	10.3
10°-20°	220.5	29.9
20°-30°	256.0	34.7
30°-40°	161.2	21.8
40°-50°	24.2	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°	552.5	74.9
0°-40°	713.7	96.7
0°-60°	738.0	100.0
0°-90°	738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	833	833	833	833	833	
5°	786	789	790	792	791	76
15°	804	801	803	808	809	220
25°	572	566	555	557	560	260
35°	257	257	262	257	256	160
45°	1	11	35	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°	832.8	832.8	832.8	832.8	832.8
1°	826.3	828.7	828.7	829.2	828.7
2°	815.1	818.7	818.7	820.4	819.2
3°	803.9	806.9	807.5	809.8	809.2
4°	791.6	796.3	798.1	799.2	798.6
5°	785.7	788.6	789.8	791.6	791.0
6°	783.3	785.7	786.9	788.6	788.6
7°	785.1	786.9	788.6	789.8	788.6
8°	790.4	792.2	792.2	794.5	792.8
9°	798.1	798.6	798.6	801.6	799.8
10°	806.3	805.1	805.1	809.2	809.8
11°	813.4	812.2	811.6	815.7	816.9
12°	817.5	815.1	815.1	820.4	821.0
13°	818.1	815.1	815.1	820.4	822.2
14°	813.4	809.8	810.4	816.3	818.1
15°	803.9	801.0	802.8	808.1	808.6
17.5°	759.2	757.4	758.6	762.2	762.7
20°	692.1	690.9	692.1	692.1	693.3
22.5°	625.6	622.7	616.8	620.3	620.9
25°	572.1	565.6	555.0	557.3	559.7
27.5°	513.2	505.0	493.8	496.7	497.3
30°	437.3	433.2	421.4	424.3	427.9
32.5°	337.8	349.0	341.9	341.4	341.9
35°	256.6	257.2	261.9	256.6	256.0
37.5°	179.5	180.1	183.6	177.7	178.3
40°	105.3	113.0	115.9	113.6	108.3
42.5°	33.0	58.3	65.9	57.1	36.5
45°	1.2	11.2	34.7	14.7	2.9
47.5°	0.0	0.6	16.5	1.2	0.0
50°	0.0	0.0	3.5	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)