

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: P1327138

Luminaire Tested: LDSQA3D09R60W2N902765DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R60W2N902765DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

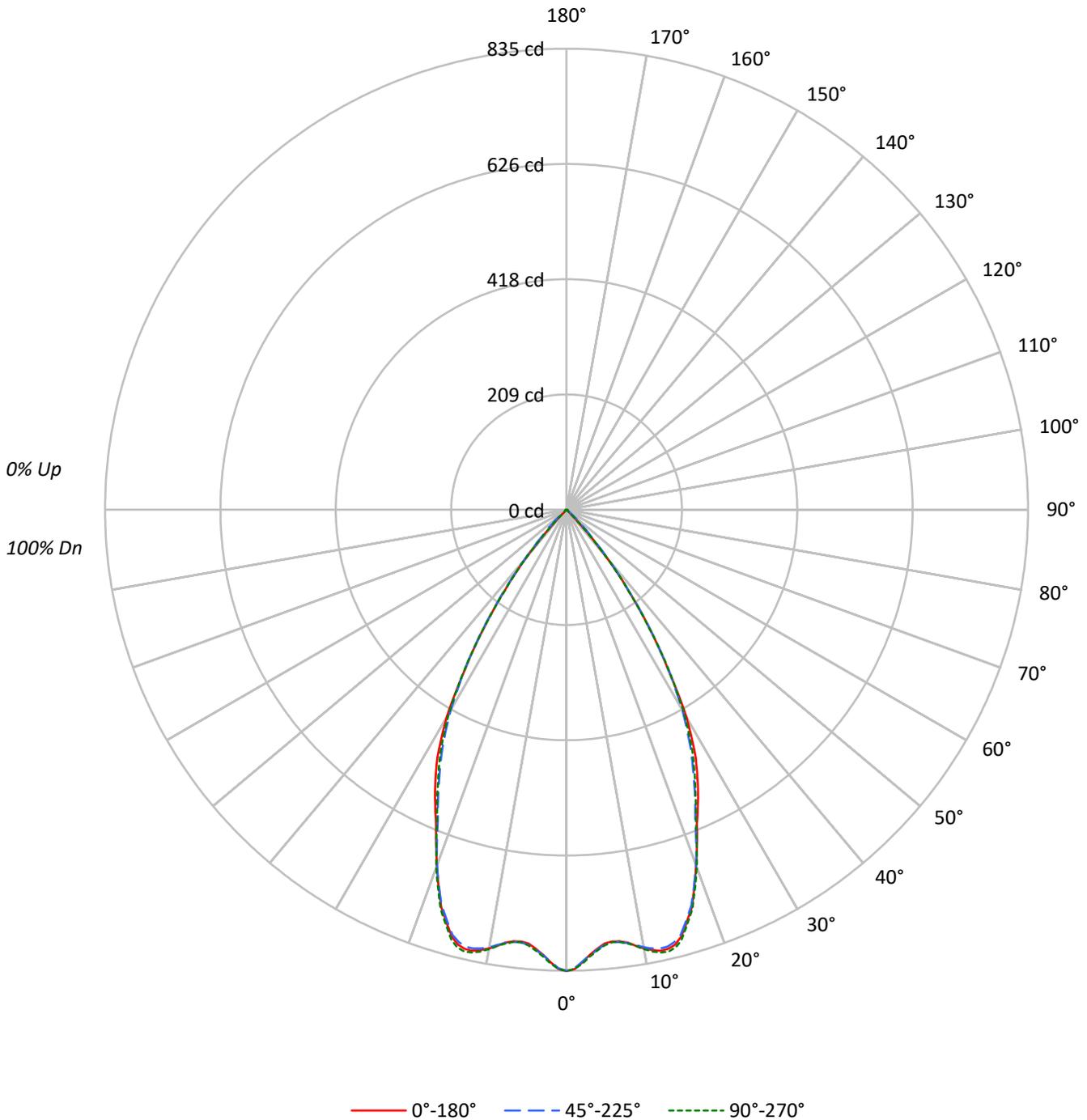
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 745.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 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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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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	143858	143858	143858
5°	136334	136748	136939
10°	141075	140673	141373
15°	142799	142175	143619
20°	125727	125635	126277
25°	107004	103888	104781
30°	86347	83345	84737
35°	54664	55147	54538
40°	25562	26596	25944
45°	1559	9377	1851
50°	777	2197	777
55°	871	871	871
60°	792	792	792
65°	693	937	693
70°	856	856	856
75°	799	799	799
80°	595	595	595
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 9377 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	10.2
10°-20°	219.3	29.4
20°-30°	252.7	33.9
30°-40°	162.3	21.8
40°-50°	28.2	3.8
50°-60°	2.7	0.4
60°-70°	2.0	0.3
70°-80°	1.3	0.2
80°-90°	0.4	0.1
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°	548.1	73.6
0°-40°	710.4	95.4
0°-60°	741.3	99.5
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	835	835	835	835	835	
5°	789	790	791	793	792	76
15°	801	798	797	803	806	219
25°	563	557	547	547	551	257
35°	260	258	262	257	259	162
45°	6	19	38	23	8	21
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	1	1	1	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	835.3	835.3	835.3	835.3	835.3
1°	831.8	831.2	830.6	831.2	831.8
2°	820.1	819.5	818.9	821.3	822.4
3°	807.3	807.9	808.4	809.6	810.2
4°	796.8	797.9	798.5	799.7	800.3
5°	788.6	790.4	791.0	792.7	792.1
6°	786.3	787.5	788.0	788.6	787.5
7°	787.5	788.0	788.6	789.8	788.6
8°	791.5	792.1	792.7	793.3	793.3
9°	799.7	798.5	797.9	800.3	799.7
10°	806.7	804.9	804.4	807.9	808.4
11°	812.5	810.2	809.6	813.7	814.9
12°	816.6	813.1	812.5	817.8	820.1
13°	816.6	811.9	811.9	817.8	821.3
14°	811.9	806.7	806.7	813.1	817.2
15°	800.9	797.9	797.4	802.6	805.5
17.5°	754.2	750.7	751.3	757.1	757.7
20°	686.0	684.3	685.5	686.6	689.0
22.5°	616.7	615.5	609.1	610.8	612.0
25°	563.1	556.6	546.7	547.3	551.4
27.5°	506.5	500.1	486.1	489.0	493.1
30°	434.2	429.0	419.1	420.8	426.1
32.5°	341.0	351.5	342.1	345.1	343.3
35°	260.0	258.2	262.3	257.0	259.4
37.5°	183.0	183.6	185.4	180.7	180.7
40°	113.7	116.6	118.3	116.0	115.4
42.5°	47.8	65.3	68.8	65.3	48.4
45°	6.4	19.2	38.5	22.7	7.6
47.5°	2.9	4.1	20.4	4.1	2.9
50°	2.9	2.9	8.2	2.9	2.9
52.5°	2.9	2.9	2.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	2.9
60°	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	1.7	2.3	2.3	2.3	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6
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)