

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: P1327087

Luminaire Tested: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327087
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: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

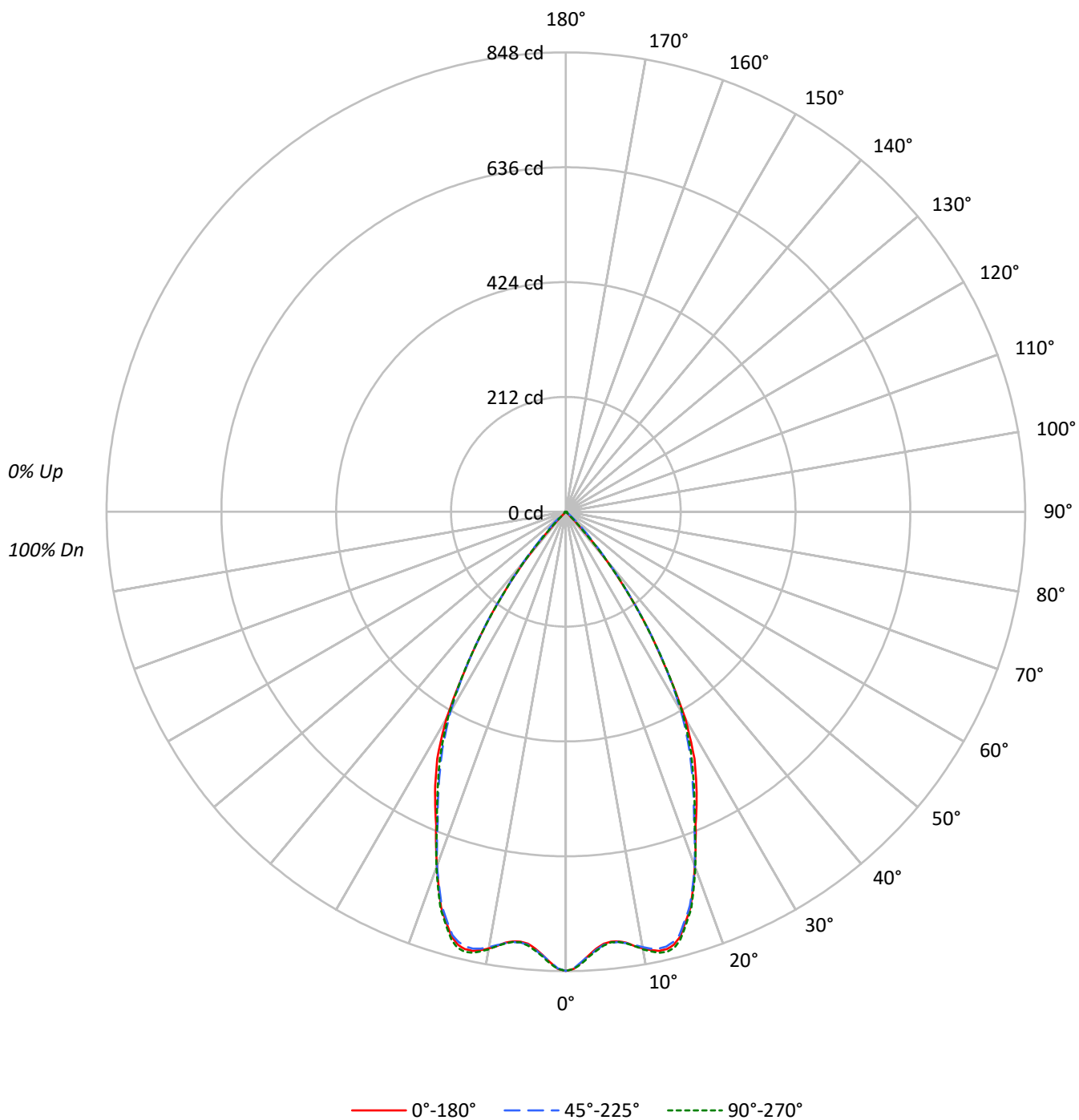
Lumens per Lamp: N/A
Luminaire Lumens: 756.1 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1327087

CATALOG NUMBER: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1327087

CATALOG NUMBER: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_4000K

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71		
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67		
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	59	56	55		
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	145976	145976	145976
5°	138356	138754	138961
10°	143156	142737	143471
15°	144903	144261	145741
20°	127596	127486	128128
25°	108581	105427	106320
30°	87620	84578	85989
35°	55463	55967	55336
40°	25922	27001	26327
45°	1583	9499	1875
50°	804	2224	804
55°	901	901	901
60°	827	827	827
65°	734	978	734
70°	906	906	906
75°	799	799	799
80°	595	595	595
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9499 cd/sqm

TEST NUMBER: P1327087

CATALOG NUMBER: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	10.2
10°-20°	222.5	29.4
20°-30°	256.5	33.9
30°-40°	164.7	21.8
40°-50°	28.6	3.8
50°-60°	2.8	0.4
60°-70°	2.1	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°	556.2	73.6
0°-40°	720.9	95.3
0°-60°	752.3	99.5
0°-90°	756.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	800	802	803	804	804	77
15°	813	810	809	814	817	223
25°	571	565	555	555	560	260
35°	264	262	266	261	263	165
45°	6	20	39	23	8	22
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	

TEST NUMBER: P1327087

CATALOG NUMBER: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	847.6	847.6	847.6	847.6	847.6
1°	844.0	843.4	842.9	843.4	844.0
2°	832.2	831.6	831.0	833.4	834.6
3°	819.2	819.8	820.4	821.6	822.2
4°	808.5	809.7	810.3	811.5	812.1
5°	800.3	802.0	802.6	804.4	803.8
6°	797.9	799.1	799.7	800.3	799.1
7°	799.1	799.7	800.3	801.4	800.3
8°	803.2	803.8	804.4	805.0	805.0
9°	811.5	810.3	809.7	812.1	811.5
10°	818.6	816.8	816.2	819.8	820.4
11°	824.5	822.2	821.6	825.7	826.9
12°	828.7	825.1	824.5	829.8	832.2
13°	828.7	823.9	823.9	829.8	833.4
14°	823.9	818.6	818.6	825.1	829.2
15°	812.7	809.7	809.1	814.5	817.4
17.5°	765.4	761.8	762.4	768.3	768.9
20°	696.2	694.4	695.6	696.8	699.1
22.5°	625.8	624.6	618.1	619.9	621.0
25°	571.4	564.9	554.8	555.4	559.5
27.5°	514.0	507.5	493.3	496.2	500.4
30°	440.6	435.3	425.3	427.0	432.4
32.5°	346.0	356.7	347.2	350.2	348.4
35°	263.8	262.0	266.2	260.8	263.2
37.5°	185.7	186.3	188.1	183.4	183.4
40°	115.3	118.3	120.1	117.7	117.1
42.5°	48.5	66.2	69.8	66.2	49.1
45°	6.5	19.5	39.0	23.1	7.7
47.5°	3.0	4.1	20.7	4.1	3.0
50°	3.0	3.0	8.3	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	1.8	2.4	2.4	2.4	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
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



TEST NUMBER: P1327087

CATALOG NUMBER: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_4000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)