

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: P1326434

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

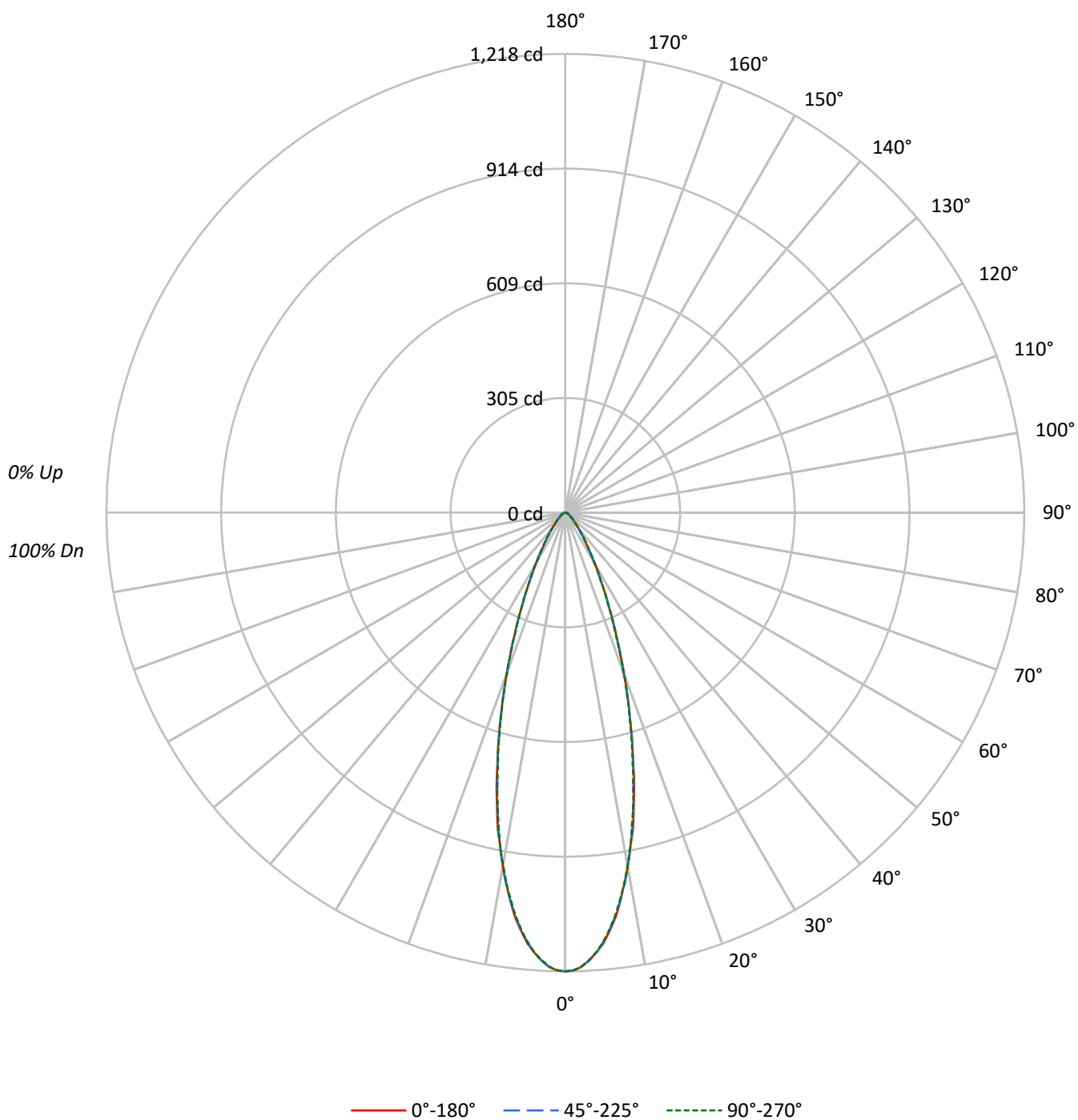
Lumens per Lamp: N/A
Luminaire Lumens: 535.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1326434

CATALOG NUMBER: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MB_4000K

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	209802	209802	209802
5°	198622	198121	198017
10°	166870	166870	166240
15°	124327	124006	123275
20°	83207	82767	82877
25°	51288	51174	51402
30°	30844	30844	30963
35°	18922	18922	19048
40°	11983	11983	12253
45°	8208	8354	8354
50°	6028	6028	6028
55°	4624	4804	4804
60°	3858	3858	4064
65°	3382	3382	3382
70°	2971	3273	3273
75°	2728	2728	2728
80°	2380	2380	2380
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8354 cd/sqm

TEST NUMBER: P1326434

CATALOG NUMBER: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MB_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	19.3
10°-20°	190.7	35.6
20°-30°	126.8	23.7
30°-40°	58.6	11.0
40°-50°	27.2	5.1
50°-60°	14.5	2.7
60°-70°	8.5	1.6
70°-80°	4.5	0.8
80°-90°	1.0	0.2
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°	420.7	78.6
0°-40°	479.3	89.6
0°-60°	521.0	97.4
0°-90°	535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1149	1147	1146	1149	1145	103
15°	697	700	696	696	691	191
25°	270	269	269	269	270	127
35°	90	89	90	91	91	58
45°	34	34	34	34	34	27
55°	15	16	16	16	16	14
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1326434

CATALOG NUMBER: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MB_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1218.2	1218.2	1218.2	1218.2	1218.2
1°	1215.8	1214.6	1215.8	1217.6	1215.2
2°	1207.5	1206.4	1206.4	1208.7	1206.4
3°	1191.6	1192.7	1192.2	1194.5	1190.4
4°	1171.4	1170.8	1173.2	1174.4	1170.8
5°	1148.9	1146.6	1146.0	1148.9	1145.4
6°	1118.2	1116.4	1115.2	1118.8	1114.0
7°	1085.0	1083.8	1082.1	1083.2	1079.7
8°	1044.2	1043.6	1042.4	1043.6	1039.4
9°	998.6	998.6	1001.0	1000.4	998.0
10°	954.2	955.4	954.2	955.4	950.6
11°	904.5	904.5	905.7	905.1	905.7
12°	861.3	856.5	855.3	854.2	850.6
13°	805.6	802.1	800.9	802.1	800.3
14°	754.7	752.3	746.4	747.6	745.2
15°	697.3	699.7	695.5	695.5	691.4
17.5°	570.0	567.7	568.8	569.4	567.7
20°	454.0	452.8	451.6	450.5	452.2
22.5°	352.8	353.4	352.2	351.0	349.8
25°	269.9	269.3	269.3	269.3	270.5
27.5°	204.8	204.8	204.8	205.4	205.4
30°	155.1	153.9	155.1	155.7	155.7
32.5°	116.0	117.2	117.8	117.8	117.8
35°	90.0	89.4	90.0	90.6	90.6
37.5°	68.7	68.7	69.3	69.3	69.8
40°	53.3	53.3	53.3	53.9	54.5
42.5°	42.0	42.0	42.6	42.6	43.2
45°	33.7	33.7	34.3	34.3	34.3
47.5°	27.2	27.2	27.8	27.8	27.8
50°	22.5	22.5	22.5	22.5	22.5
52.5°	18.9	18.3	18.9	18.9	18.9
55°	15.4	16.0	16.0	16.0	16.0
57.5°	13.0	13.6	13.6	13.6	13.6
60°	11.2	11.2	11.2	11.8	11.8
62.5°	9.5	10.1	10.1	10.1	10.1
65°	8.3	8.3	8.3	8.3	8.3
67.5°	7.1	7.1	7.1	7.1	7.7
70°	5.9	5.9	6.5	6.5	6.5
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.1	4.1	4.1	4.1	4.1
77.5°	3.0	3.0	3.6	3.6	3.0
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.8	1.8	1.8	1.8	1.8
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: P1326434

CATALOG NUMBER: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MB_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)