

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: P1316429

Luminaire Tested: LDSQA3D09R309740DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316429
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: LDSQA3D09R309740DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

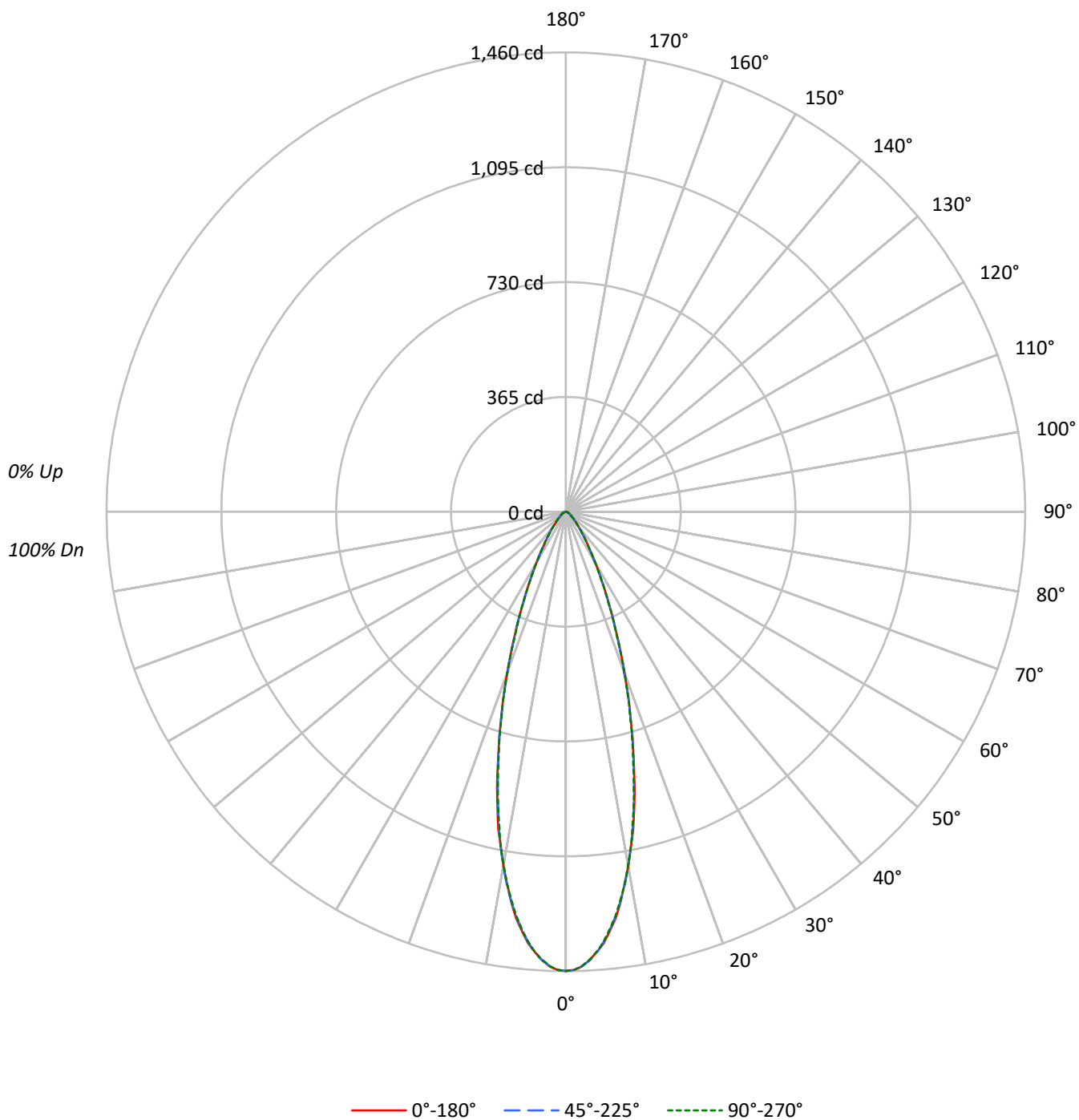
Lumens per Lamp: N/A
Luminaire Lumens: 641.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1316429

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316429

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRL1MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	251376	251376	251376
5°	237987	237365	237244
10°	199940	199940	199188
15°	148968	148576	147702
20°	99702	99170	99299
25°	61455	61322	61588
30°	36949	36949	37088
35°	22664	22664	22812
40°	14344	14344	14658
45°	9840	10010	10010
50°	7234	7234	7234
55°	5525	5735	5735
60°	4650	4650	4891
65°	4034	4034	4034
70°	3575	3928	3928
75°	3327	3327	3327
80°	2777	2777	2777
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10010 cd/sqm

TEST NUMBER: P1316429

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	19.3
10°-20°	228.5	35.6
20°-30°	151.9	23.7
30°-40°	70.2	11.0
40°-50°	32.6	5.1
50°-60°	17.4	2.7
60°-70°	10.2	1.6
70°-80°	5.4	0.8
80°-90°	1.1	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°	504.1	78.6
0°-40°	574.3	89.6
0°-60°	624.3	97.4
0°-90°	641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1460	1460	1460	1460	1460	
5°	1377	1374	1373	1377	1372	124
15°	836	838	833	833	828	229
25°	323	323	323	323	324	152
35°	108	107	108	108	108	70
45°	40	40	41	41	41	32
55°	18	19	19	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1316429

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1459.6	1459.6	1459.6	1459.6	1459.6
1°	1456.7	1455.3	1456.7	1458.8	1456.0
2°	1446.8	1445.4	1445.4	1448.2	1445.4
3°	1427.6	1429.1	1428.4	1431.2	1426.2
4°	1403.5	1402.8	1405.7	1407.1	1402.8
5°	1376.6	1373.7	1373.0	1376.6	1372.3
6°	1339.7	1337.6	1336.2	1340.4	1334.7
7°	1300.0	1298.6	1296.4	1297.9	1293.6
8°	1251.1	1250.3	1248.9	1250.3	1245.4
9°	1196.4	1196.4	1199.3	1198.6	1195.7
10°	1143.3	1144.7	1143.3	1144.7	1139.0
11°	1083.7	1083.7	1085.1	1084.4	1085.1
12°	1031.9	1026.2	1024.8	1023.4	1019.1
13°	965.2	961.0	959.6	961.0	958.9
14°	904.2	901.4	894.3	895.7	892.9
15°	835.5	838.3	833.3	833.3	828.4
17.5°	683.0	680.1	681.6	682.3	680.1
20°	544.0	542.5	541.1	539.7	541.8
22.5°	422.7	423.4	422.0	420.6	419.1
25°	323.4	322.7	322.7	322.7	324.1
27.5°	245.4	245.4	245.4	246.1	246.1
30°	185.8	184.4	185.8	186.5	186.5
32.5°	139.0	140.4	141.1	141.1	141.1
35°	107.8	107.1	107.8	108.5	108.5
37.5°	82.3	82.3	83.0	83.0	83.7
40°	63.8	63.8	63.8	64.5	65.2
42.5°	50.4	50.4	51.1	51.1	51.8
45°	40.4	40.4	41.1	41.1	41.1
47.5°	32.6	32.6	33.3	33.3	33.3
50°	27.0	27.0	27.0	27.0	27.0
52.5°	22.7	22.0	22.7	22.7	22.7
55°	18.4	19.1	19.1	19.1	19.1
57.5°	15.6	16.3	16.3	16.3	16.3
60°	13.5	13.5	13.5	14.2	14.2
62.5°	11.3	12.1	12.1	12.1	12.1
65°	9.9	9.9	9.9	9.9	9.9
67.5°	8.5	8.5	8.5	8.5	9.2
70°	7.1	7.1	7.8	7.8	7.8
72.5°	6.4	6.4	6.4	6.4	6.4
75°	5.0	5.0	5.0	5.0	5.0
77.5°	3.5	3.5	4.3	4.3	3.5
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.1	2.1	2.1	2.1	2.1
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316429

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)