

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: P1310445

Luminaire Tested: LDSQA3D13R709035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709035DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

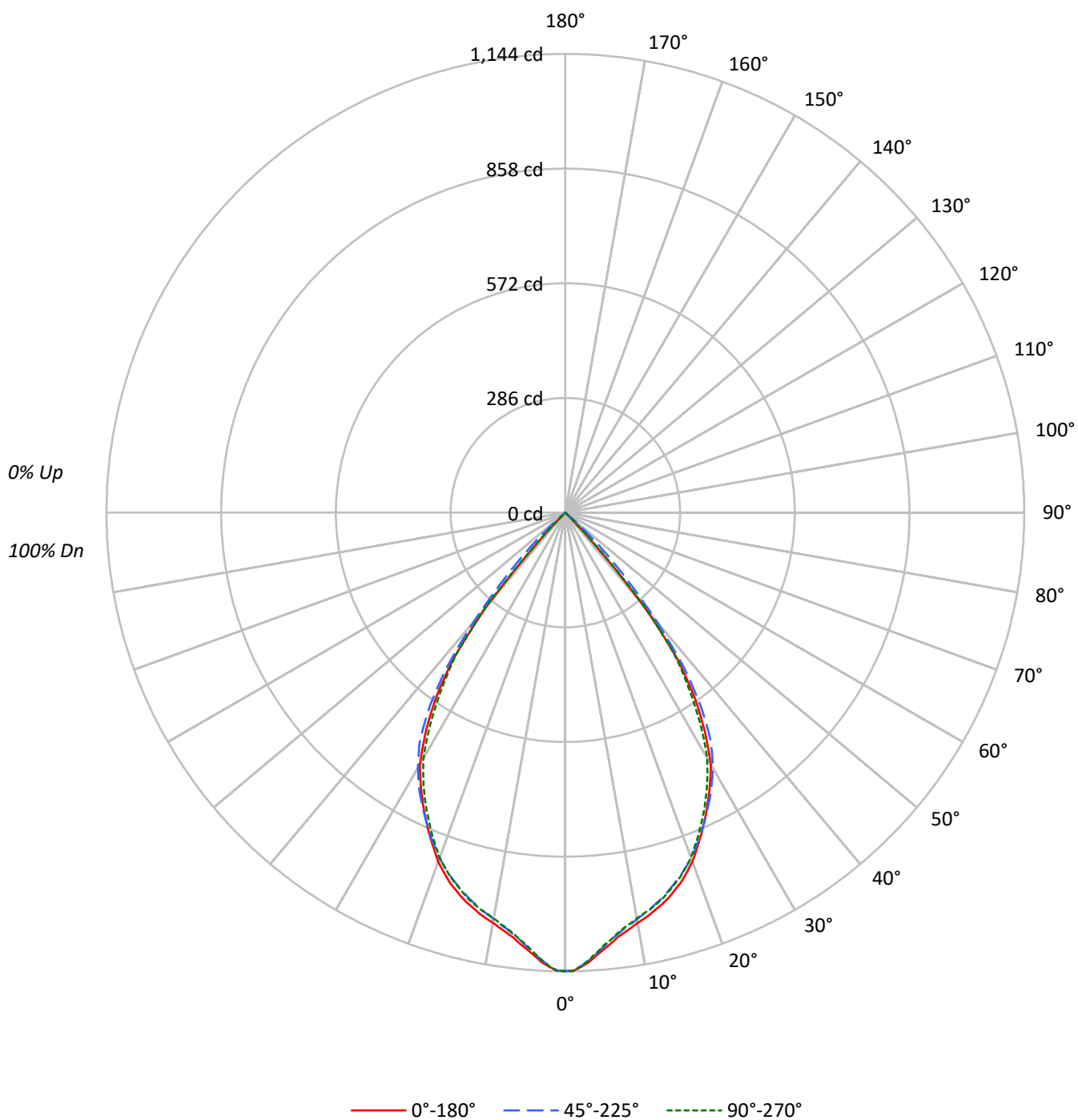
Lumens per Lamp: N/A
Luminaire Lumens: 1183.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	196937	196937	196937
5°	189045	187990	187472
10°	181595	180021	179671
15°	177300	174803	175160
20°	169786	168137	167770
25°	157589	157969	155499
30°	144237	146226	140658
35°	117990	123666	113364
40°	67918	79159	69717
45°	974	32905	3410
50°	0	3483	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: 32905 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	8.6
10°-20°	276.4	23.4
20°-30°	379.8	32.1
30°-40°	344.3	29.1
40°-50°	80.0	6.8
50°-60°	0.4	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°	758.2	64.1
0°-40°	1102.6	93.2
0°-60°	1183.0	100.0
0°-90°	1183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1094	1090	1087	1085	1084	103
15°	994	987	980	980	982	279
25°	829	833	831	823	818	381
35°	561	569	588	563	539	337
45°	4	45	135	58	14	48
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143.5	1143.5	1143.5	1143.5	1143.5
1°	1142.5	1140.5	1141.5	1142.5	1143.5
2°	1133.5	1131.5	1131.5	1132.5	1132.5
3°	1122.5	1118.5	1118.5	1117.5	1117.5
4°	1107.5	1104.5	1102.5	1101.5	1101.5
5°	1093.5	1090.4	1087.4	1085.4	1084.4
6°	1081.4	1076.4	1072.4	1071.4	1072.4
7°	1067.4	1064.4	1060.4	1057.4	1058.4
8°	1057.4	1053.4	1048.4	1046.4	1046.4
9°	1048.4	1044.4	1039.4	1035.4	1037.4
10°	1038.4	1034.4	1029.4	1026.4	1027.4
11°	1031.4	1026.4	1020.4	1018.4	1019.4
12°	1023.4	1017.4	1011.4	1010.4	1012.4
13°	1013.4	1007.4	1001.4	1001.4	1003.4
14°	1004.4	997.4	991.4	991.4	994.4
15°	994.4	987.4	980.4	980.4	982.4
17.5°	964.4	958.4	951.4	951.4	952.4
20°	926.4	923.4	917.4	914.4	915.4
22.5°	878.4	878.4	875.4	870.4	868.4
25°	829.3	833.3	831.3	823.3	818.3
27.5°	778.3	785.3	786.3	774.3	765.3
30°	725.3	731.3	735.3	721.3	707.3
32.5°	647.3	665.3	675.3	656.3	627.3
35°	561.2	569.2	588.2	563.2	539.2
37.5°	456.2	466.2	482.2	462.2	448.2
40°	302.1	342.1	352.1	342.1	310.1
42.5°	109.0	192.1	231.1	196.1	128.1
45°	4.0	45.0	135.1	58.0	14.0
47.5°	0.0	1.0	61.0	2.0	0.0
50°	0.0	0.0	13.0	0.0	0.0
52.5°	0.0	0.0	1.0	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)