

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: P1317707

Luminaire Tested: LDSQA3D17R709827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317707
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: LDSQA3D17R709827DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

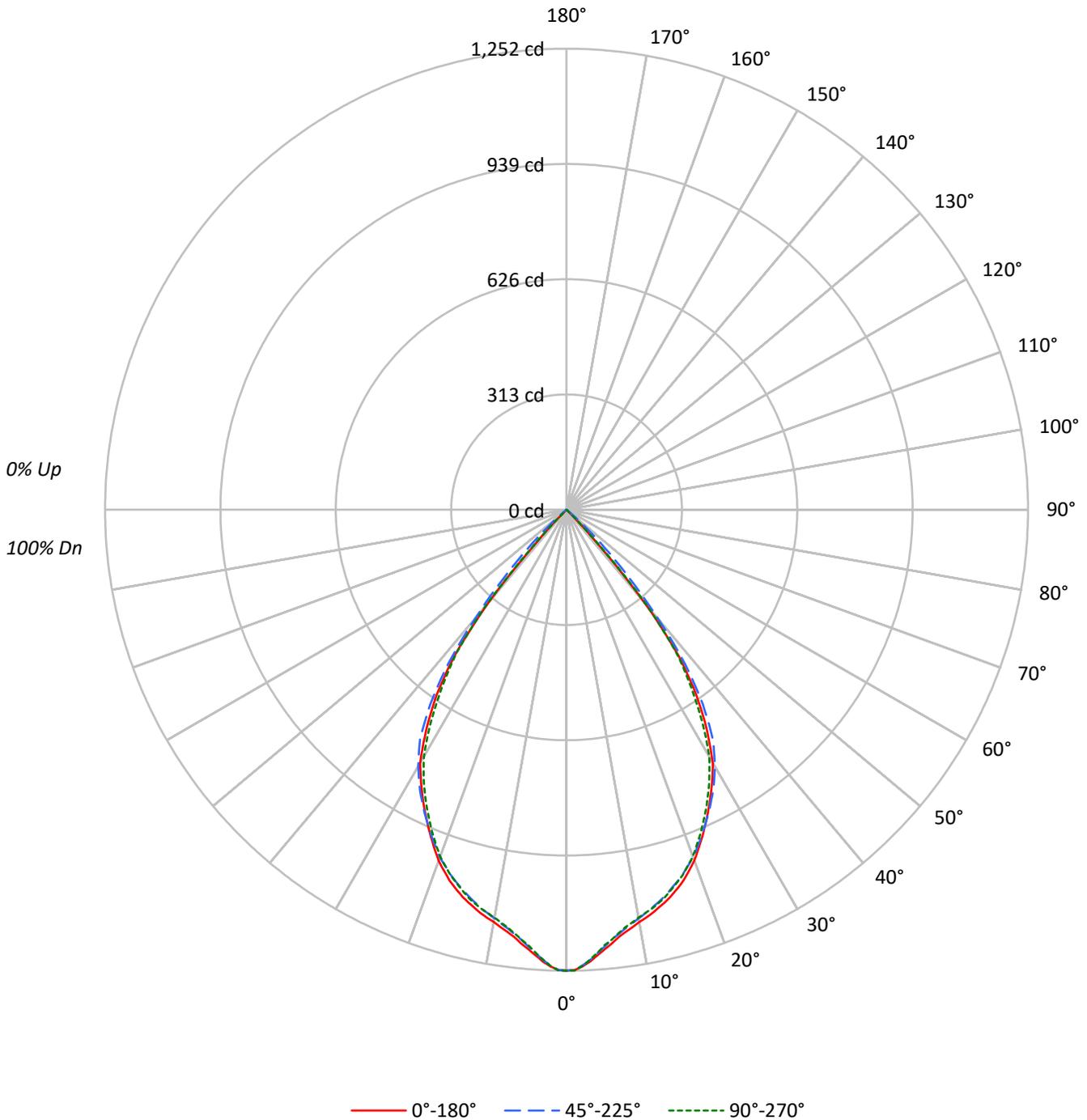
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1295.0 lumens
Efficiency: N/A
Efficacy: 63.5 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): 20.4
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	215571	215571	215571
5°	206938	205797	205226
10°	198785	197072	196687
15°	194095	191349	191742
20°	185860	184045	183642
25°	172525	172924	170226
30°	157899	160067	153982
35°	129175	135377	124108
40°	74348	86668	76327
45°	1072	35998	3726
50°	0	3805	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: 35998 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	8.6
10°-20°	302.6	23.4
20°-30°	415.7	32.1
30°-40°	376.9	29.1
40°-50°	87.6	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°	830.0	64.1
0°-40°	1207.0	93.2
0°-60°	1295.0	100.0
0°-90°	1295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1197	1194	1190	1188	1187	112
15°	1089	1081	1073	1073	1075	305
25°	908	912	910	901	896	417
35°	614	623	644	617	590	369
45°	4	49	148	64	15	53
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1251.7	1251.7	1251.7	1251.7	1251.7
1°	1250.6	1248.4	1249.5	1250.6	1251.7
2°	1240.8	1238.6	1238.6	1239.7	1239.7
3°	1228.7	1224.4	1224.4	1223.3	1223.3
4°	1212.3	1209.0	1206.8	1205.7	1205.7
5°	1197.0	1193.7	1190.4	1188.2	1187.1
6°	1183.8	1178.4	1174.0	1172.9	1174.0
7°	1168.5	1165.2	1160.8	1157.5	1158.6
8°	1157.5	1153.2	1147.7	1145.5	1145.5
9°	1147.7	1143.3	1137.8	1133.5	1135.6
10°	1136.7	1132.4	1126.9	1123.6	1124.7
11°	1129.1	1123.6	1117.0	1114.8	1115.9
12°	1120.3	1113.7	1107.2	1106.1	1108.3
13°	1109.4	1102.8	1096.2	1096.2	1098.4
14°	1099.5	1091.8	1085.3	1085.3	1088.6
15°	1088.6	1080.9	1073.2	1073.2	1075.4
17.5°	1055.7	1049.1	1041.5	1041.5	1042.6
20°	1014.1	1010.8	1004.2	1000.9	1002.0
22.5°	961.5	961.5	958.2	952.8	950.6
25°	907.9	912.2	910.0	901.3	895.8
27.5°	852.0	859.7	860.8	847.6	837.8
30°	794.0	800.5	804.9	789.6	774.3
32.5°	708.5	728.3	739.2	718.4	686.6
35°	614.4	623.1	643.9	616.6	590.3
37.5°	499.4	510.3	527.9	505.9	490.6
40°	330.7	374.5	385.5	374.5	339.5
42.5°	119.4	210.3	253.0	214.6	140.2
45°	4.4	49.3	147.8	63.5	15.3
47.5°	0.0	1.1	66.8	2.2	0.0
50°	0.0	0.0	14.2	0.0	0.0
52.5°	0.0	0.0	1.1	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)