

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: P1312295

Luminaire Tested: LDSQA3D05R509050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509050DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

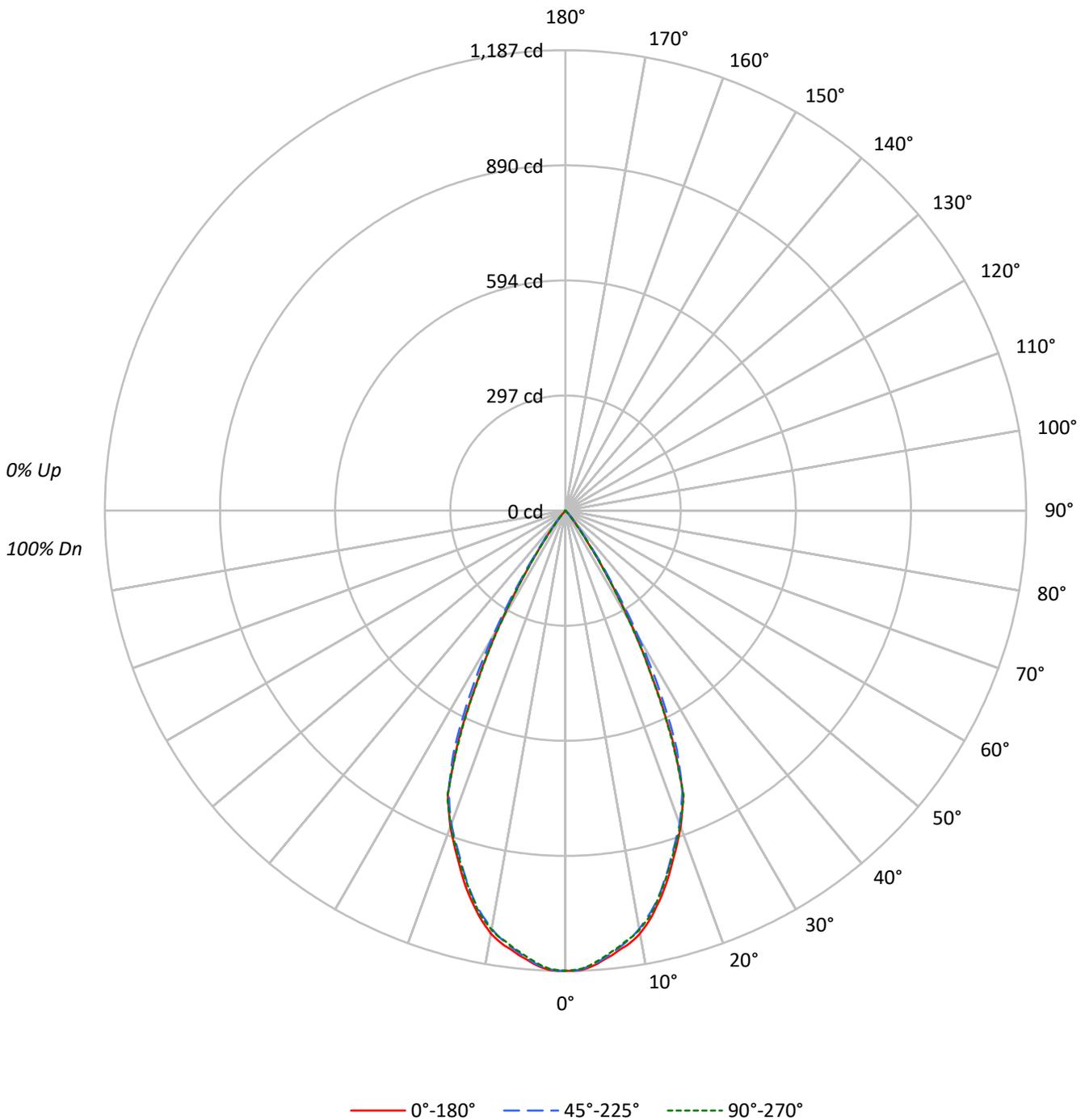
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 764.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	204325	204325	204325
5°	200766	200196	199625
10°	193627	191528	191895
15°	178120	175873	176355
20°	159046	157544	158442
25°	123783	128971	122434
30°	67057	74873	65864
35°	21151	25166	20688
40°	4676	6520	4429
45°	122	1997	122
50°	0	295	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: 1997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	14.2
10°-20°	276.2	36.1
20°-30°	290.9	38.1
30°-40°	83.1	10.9
40°-50°	5.1	0.7
50°-60°	0.0	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°	675.8	88.4
0°-40°	758.8	99.3
0°-60°	764.0	100.0
0°-90°	764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1186	1186	1186	1186	1186	
5°	1161	1160	1158	1157	1155	109
15°	999	992	986	988	989	278
25°	651	676	679	671	644	285
35°	101	108	120	102	98	78
45°	0	3	8	3	0	3
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°	1186.4	1186.4	1186.4	1186.4	1186.4
1°	1187.0	1187.5	1186.4	1187.5	1184.8
2°	1185.3	1184.2	1183.1	1183.7	1182.1
3°	1179.3	1178.8	1176.6	1177.1	1174.9
4°	1171.7	1170.0	1168.4	1167.3	1165.1
5°	1161.3	1160.2	1158.0	1156.9	1154.7
6°	1152.5	1150.4	1146.5	1145.4	1143.3
7°	1141.1	1140.0	1135.1	1134.0	1132.9
8°	1132.3	1129.0	1123.0	1123.6	1120.8
9°	1120.8	1116.5	1110.5	1110.5	1111.0
10°	1107.2	1100.6	1095.2	1096.8	1097.3
11°	1089.2	1084.8	1076.6	1080.4	1080.4
12°	1069.5	1064.0	1058.0	1061.3	1063.5
13°	1046.5	1042.2	1036.7	1040.0	1038.9
14°	1024.1	1015.9	1012.1	1016.5	1014.8
15°	999.0	992.4	986.4	988.1	989.1
17.5°	931.8	924.7	920.3	920.8	925.8
20°	867.8	865.1	859.6	861.8	864.5
22.5°	792.4	793.5	786.9	788.6	795.1
25°	651.4	675.5	678.7	671.1	644.3
27.5°	482.5	518.6	529.5	512.1	479.3
30°	337.2	347.0	376.5	343.2	331.2
32.5°	197.8	212.6	228.4	205.5	197.3
35°	100.6	107.7	119.7	101.6	98.4
37.5°	46.5	49.7	54.6	46.5	43.7
40°	20.8	24.6	29.0	23.5	19.7
42.5°	6.6	11.5	15.3	10.4	6.0
45°	0.5	2.7	8.2	2.7	0.5
47.5°	0.0	0.5	3.3	0.5	0.0
50°	0.0	0.0	1.1	0.0	0.0
52.5°	0.0	0.0	0.0	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)