

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: P1316309

Luminaire Tested: LDSQA3D05R459740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

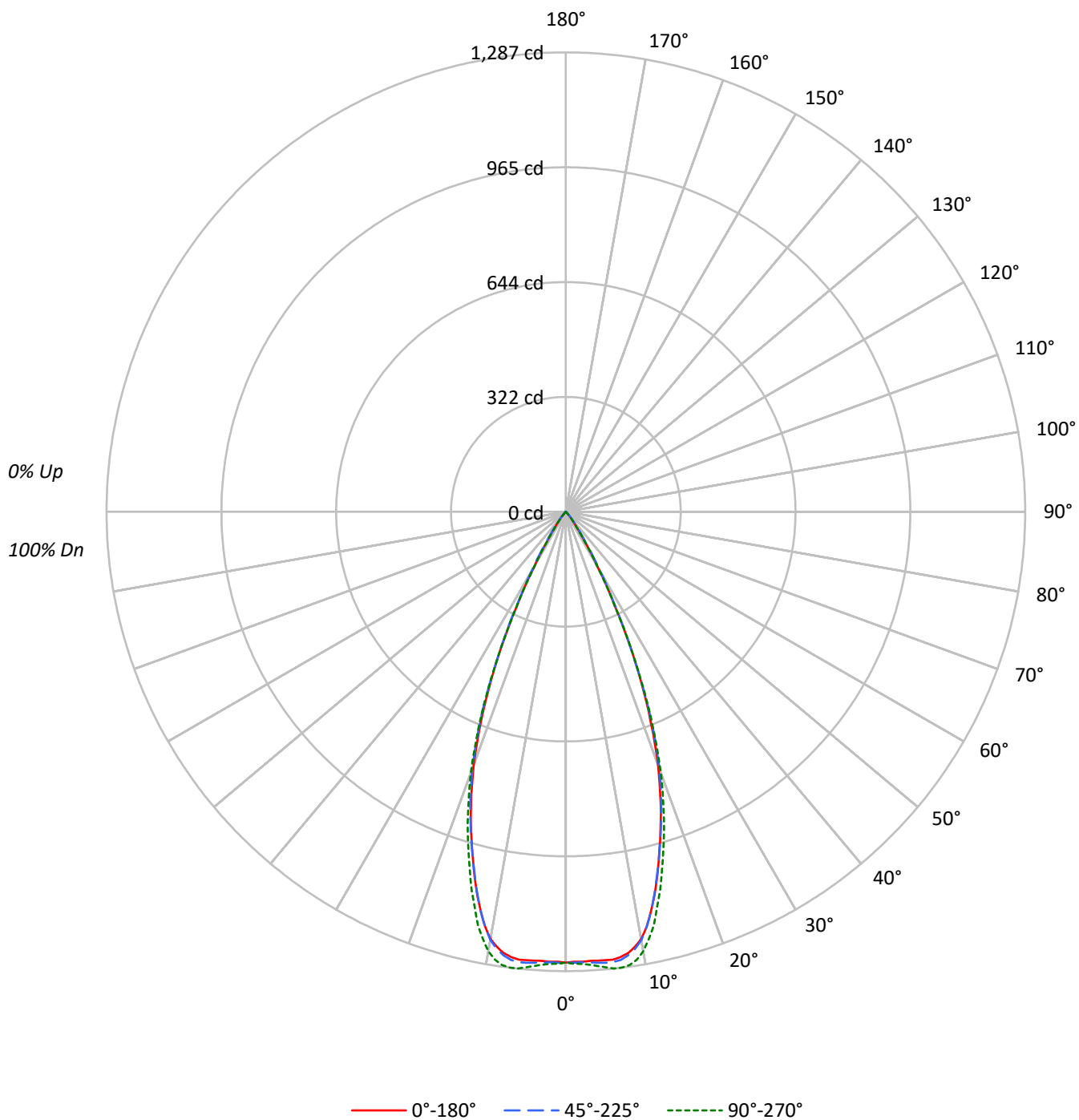
Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316309

CATALOG NUMBER: LDSQA3D05R459740DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316309

CATALOG NUMBER: LDSQA3D05R459740DE010 3LSQCDR1MB

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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	217517	217517	217517
5°	218020	219282	221460
10°	212548	212986	218582
15°	179332	179403	185287
20°	138428	140389	142698
25°	85873	85968	86519
30°	35418	37645	34841
35°	11017	13477	10617
40°	3372	4699	3170
45°	244	1778	244
50°	0	268	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: 1778 cd/sqm

TEST NUMBER: P1316309

CATALOG NUMBER: LDSQA3D05R459740DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	18.4
10°-20°	279.5	42.8
20°-30°	205.0	31.4
30°-40°	44.1	6.7
40°-50°	4.2	0.6
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°	604.7	92.6
0°-40°	648.8	99.4
0°-60°	653.0	100.0
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1261	1264	1268	1277	1281	119
15°	1006	1004	1006	1022	1039	277
25°	452	450	452	452	455	203
35°	52	56	64	55	50	41
45°	1	3	7	3	1	2
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	

TEST NUMBER: P1316309

CATALOG NUMBER: LDSQA3D05R459740DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1263.0	1263.0	1263.0	1263.0	1263.0
1°	1260.6	1263.5	1263.5	1265.4	1266.4
2°	1261.6	1263.5	1263.0	1266.4	1267.9
3°	1260.1	1263.5	1264.5	1268.4	1270.8
4°	1260.6	1263.5	1266.4	1272.2	1275.6
5°	1261.1	1264.5	1268.4	1277.1	1281.0
6°	1261.6	1264.0	1268.4	1279.5	1286.8
7°	1256.7	1260.1	1265.0	1279.0	1286.8
8°	1248.9	1250.9	1254.8	1273.2	1282.4
9°	1234.4	1233.9	1239.7	1260.1	1270.8
10°	1215.4	1209.6	1217.9	1238.3	1249.9
11°	1184.9	1178.6	1185.8	1207.7	1218.8
12°	1145.1	1145.1	1146.5	1165.9	1185.4
13°	1102.8	1098.0	1100.9	1122.7	1136.3
14°	1056.2	1051.4	1054.3	1070.8	1092.2
15°	1005.8	1003.8	1006.2	1022.3	1039.2
17.5°	885.9	881.5	890.2	906.2	915.0
20°	755.3	762.6	766.0	776.2	778.6
22.5°	605.3	613.1	617.9	619.4	620.8
25°	451.9	450.5	452.4	452.4	455.3
27.5°	297.1	297.1	302.4	299.0	295.6
30°	178.1	185.4	189.3	183.0	175.2
32.5°	97.1	104.4	110.7	101.4	94.7
35°	52.4	56.3	64.1	54.9	50.5
37.5°	28.6	32.0	36.9	31.1	28.6
40°	15.0	18.4	20.9	18.4	14.1
42.5°	4.9	9.2	12.1	9.2	4.4
45°	1.0	2.9	7.3	2.9	1.0
47.5°	0.0	0.5	3.4	0.5	0.0
50°	0.0	0.0	1.0	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



TEST NUMBER: P1316309

CATALOG NUMBER: LDSQA3D05R459740DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)