

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: P1317238

Luminaire Tested: LDSQA3D05R509827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317238
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: LDSQA3D05R509827DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

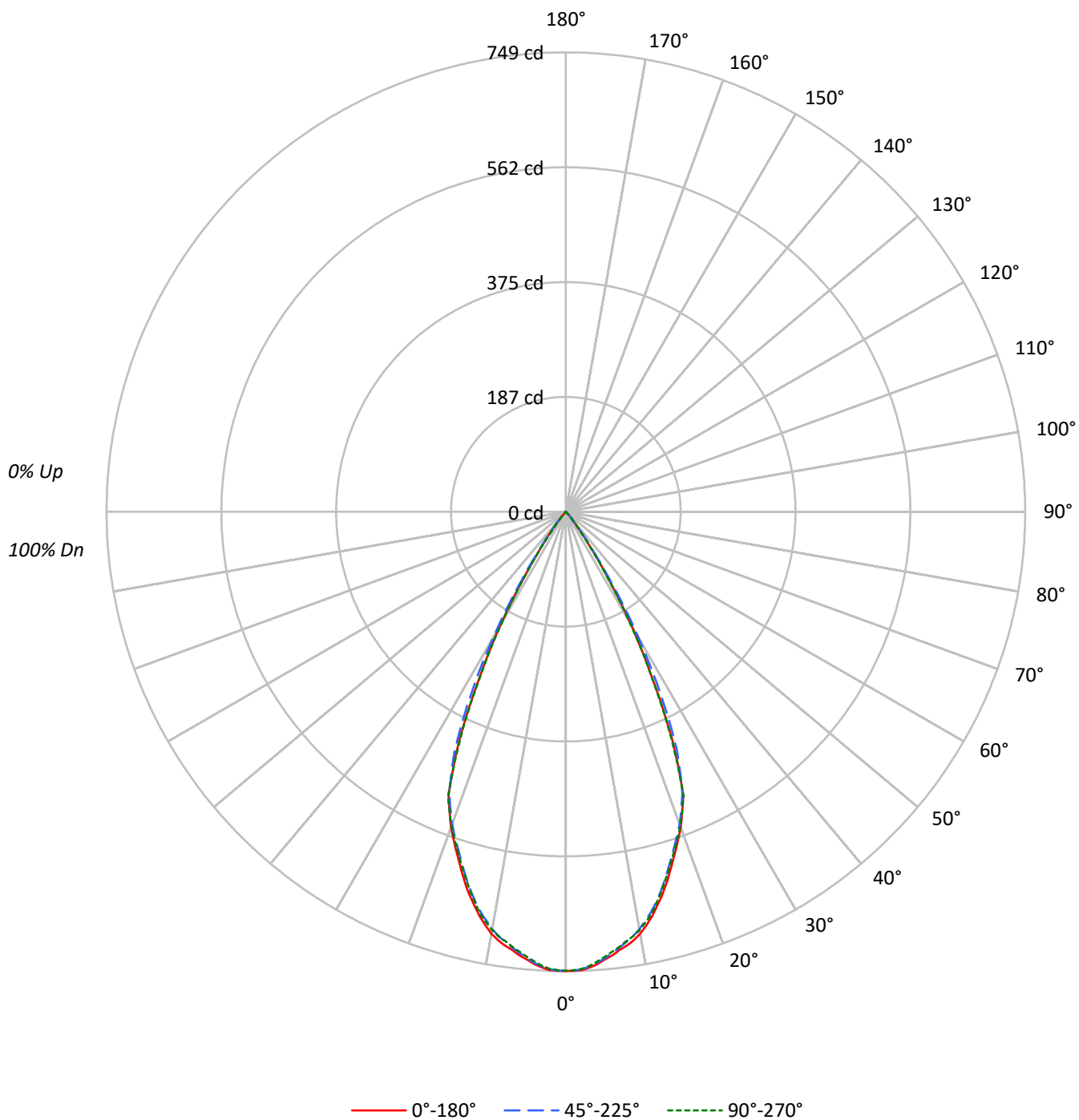
Lumens per Lamp: N/A
Luminaire Lumens: 482.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1317238

CATALOG NUMBER: LDSQA3D05R509827DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317238

CATALOG NUMBER: LDSQA3D05R509827DE010 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	109	107	112	110	108	106	106	104	102	102	101	99	98	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	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	128909	128909	128909
5°	126652	126306	125943
10°	122153	120824	121069
15°	112363	110955	111258
20°	100343	99390	99958
25°	78101	81369	77246
30°	42299	47231	41543
35°	13330	15873	13056
40°	2945	4114	2788
45°	73	1267	73
50°	0	188	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: 1267 cd/sqm

TEST NUMBER: P1317238

CATALOG NUMBER: LDSQA3D05R509827DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	14.2
10°-20°	174.2	36.1
20°-30°	183.5	38.1
30°-40°	52.4	10.9
40°-50°	3.2	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°	426.3	88.5
0°-40°	478.7	99.3
0°-60°	482.0	100.0
0°-90°	482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	733	732	731	730	728	69
15°	630	626	622	623	624	176
25°	411	426	428	423	406	180
35°	63	68	76	64	62	49
45°	0	2	5	2	0	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: P1317238

CATALOG NUMBER: LDSQA3D05R509827DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	748.5	748.5	748.5	748.5	748.5
1°	748.8	749.2	748.5	749.2	747.5
2°	747.8	747.1	746.4	746.8	745.7
3°	744.0	743.7	742.3	742.6	741.3
4°	739.2	738.2	737.1	736.4	735.1
5°	732.6	732.0	730.6	729.9	728.5
6°	727.1	725.7	723.3	722.6	721.3
7°	719.9	719.2	716.1	715.4	714.7
8°	714.4	712.3	708.5	708.9	707.1
9°	707.1	704.4	700.6	700.6	700.9
10°	698.5	694.4	690.9	692.0	692.3
11°	687.1	684.4	679.2	681.6	681.6
12°	674.7	671.3	667.5	669.6	670.9
13°	660.2	657.5	654.0	656.1	655.4
14°	646.1	640.9	638.5	641.3	640.2
15°	630.2	626.1	622.3	623.4	624.0
17.5°	587.8	583.4	580.6	580.9	584.0
20°	547.5	545.8	542.3	543.7	545.4
22.5°	499.9	500.6	496.5	497.5	501.6
25°	411.0	426.1	428.2	423.4	406.5
27.5°	304.4	327.2	334.1	323.1	302.4
30°	212.7	218.9	237.5	216.5	208.9
32.5°	124.8	134.1	144.1	129.6	124.5
35°	63.4	67.9	75.5	64.1	62.1
37.5°	29.3	31.4	34.5	29.3	27.6
40°	13.1	15.5	18.3	14.8	12.4
42.5°	4.1	7.2	9.7	6.6	3.8
45°	0.3	1.7	5.2	1.7	0.3
47.5°	0.0	0.3	2.1	0.3	0.0
50°	0.0	0.0	0.7	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: P1317238

CATALOG NUMBER: LDSQA3D05R509827DE010 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)