

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: P1318125

Luminaire Tested: LDSQA3D05R559830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

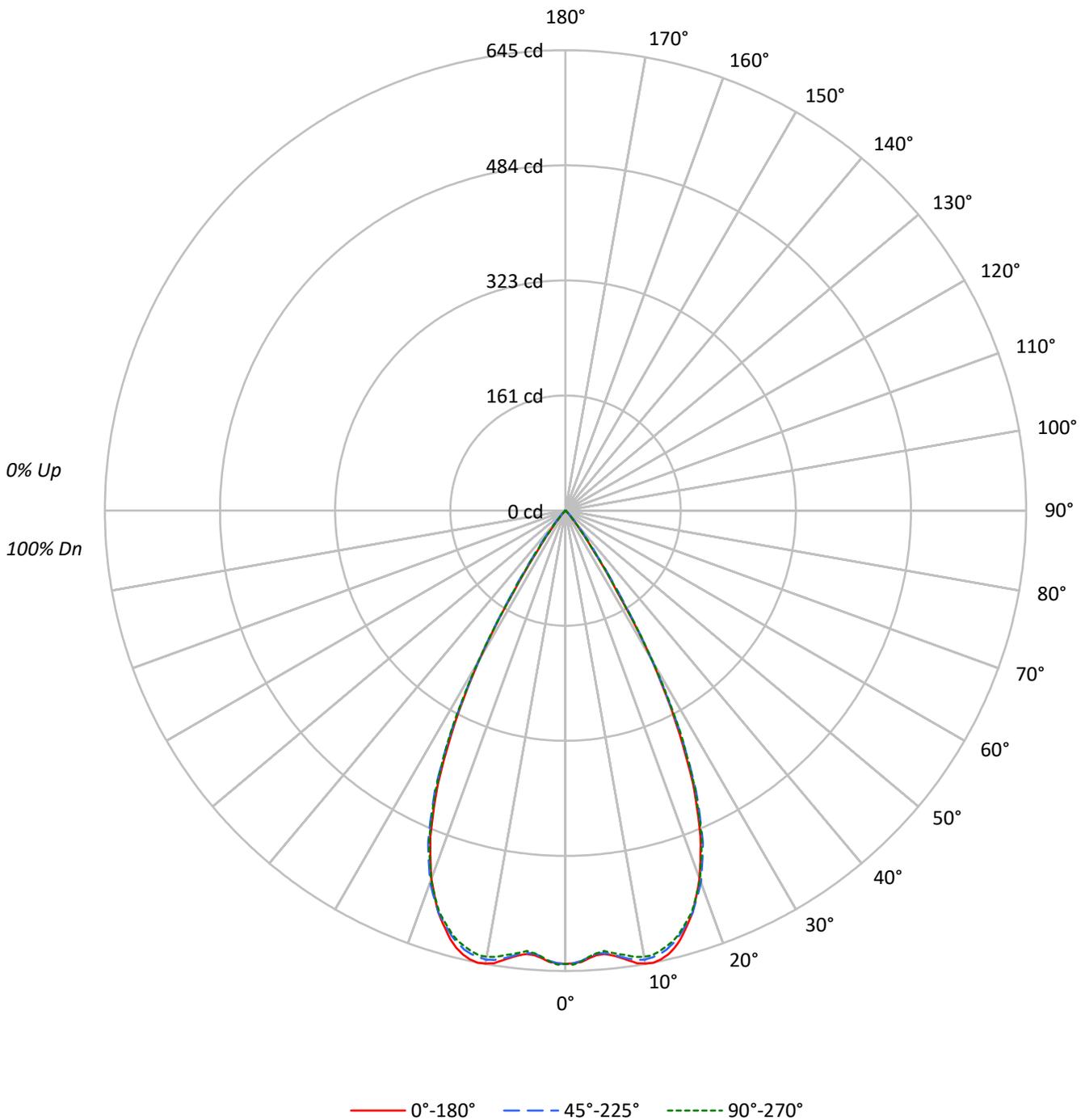
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 487.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 (A_{in}): 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: P1318125
CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318125
 CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCDR1MW

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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109379	109379	109379
5°	107808	107618	107099
10°	112675	111713	110996
15°	110919	109921	109475
20°	100582	101590	100857
25°	80438	82111	81350
30°	48225	48225	48821
35°	13939	16504	14402
40°	4002	5418	4002
45°	901	2070	901
50°	402	697	295
55°	330	330	330
60°	379	379	379
65°	285	285	285
70°	352	352	352
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2070 cd/sqm



TEST NUMBER: P1318125

CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	12.4
10°-20°	171.6	35.2
20°-30°	189.1	38.8
30°-40°	57.8	11.9
40°-50°	5.7	1.2
50°-60°	1.1	0.2
60°-70°	0.8	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	420.9	86.4
0°-40°	478.8	98.3
0°-60°	485.5	99.7
0°-90°	487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	624	624	622	621	620	60
15°	622	621	616	614	614	172
25°	423	427	432	436	428	186
35°	66	70	78	72	68	54
45°	4	6	8	6	4	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1318125
 CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.1	635.1	635.1	635.1	635.1
1°	634.3	634.7	634.3	633.6	636.2
2°	632.8	632.5	631.4	631.0	632.1
3°	628.0	628.0	626.5	625.8	626.2
4°	624.3	624.3	622.1	621.4	621.7
5°	623.6	623.6	622.5	620.6	619.5
6°	626.5	627.3	624.7	622.8	622.8
7°	631.0	631.4	629.5	626.9	626.2
8°	636.5	636.9	633.9	631.0	629.5
9°	642.1	641.4	637.3	634.3	633.2
10°	644.3	643.9	638.8	635.8	634.7
11°	645.4	643.6	637.7	635.1	634.7
12°	642.8	641.4	635.1	632.5	631.4
13°	638.4	636.2	631.0	628.4	626.9
14°	631.4	629.1	624.3	621.4	621.7
15°	622.1	621.0	616.5	614.0	614.0
17.5°	591.4	592.1	591.0	589.9	589.1
20°	548.8	551.7	554.3	552.9	550.3
22.5°	494.3	499.5	502.5	503.2	498.4
25°	423.3	427.3	432.1	436.2	428.1
27.5°	334.7	338.5	342.9	345.5	344.4
30°	242.5	242.9	242.5	247.4	245.5
32.5°	134.8	145.9	147.7	151.1	139.2
35°	66.3	69.6	78.5	72.2	68.5
37.5°	31.8	34.1	42.6	34.8	33.3
40°	17.8	19.3	24.1	20.0	17.8
42.5°	8.5	11.1	13.0	11.5	8.5
45°	3.7	5.6	8.5	5.6	3.7
47.5°	1.5	2.2	5.2	2.2	1.5
50°	1.5	1.1	2.6	1.1	1.1
52.5°	1.1	1.1	1.5	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	0.7	1.1	1.1	1.1	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.4	0.7	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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: P1318125
CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)