

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: P1308910

Luminaire Tested: LDSQA3D05R259030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

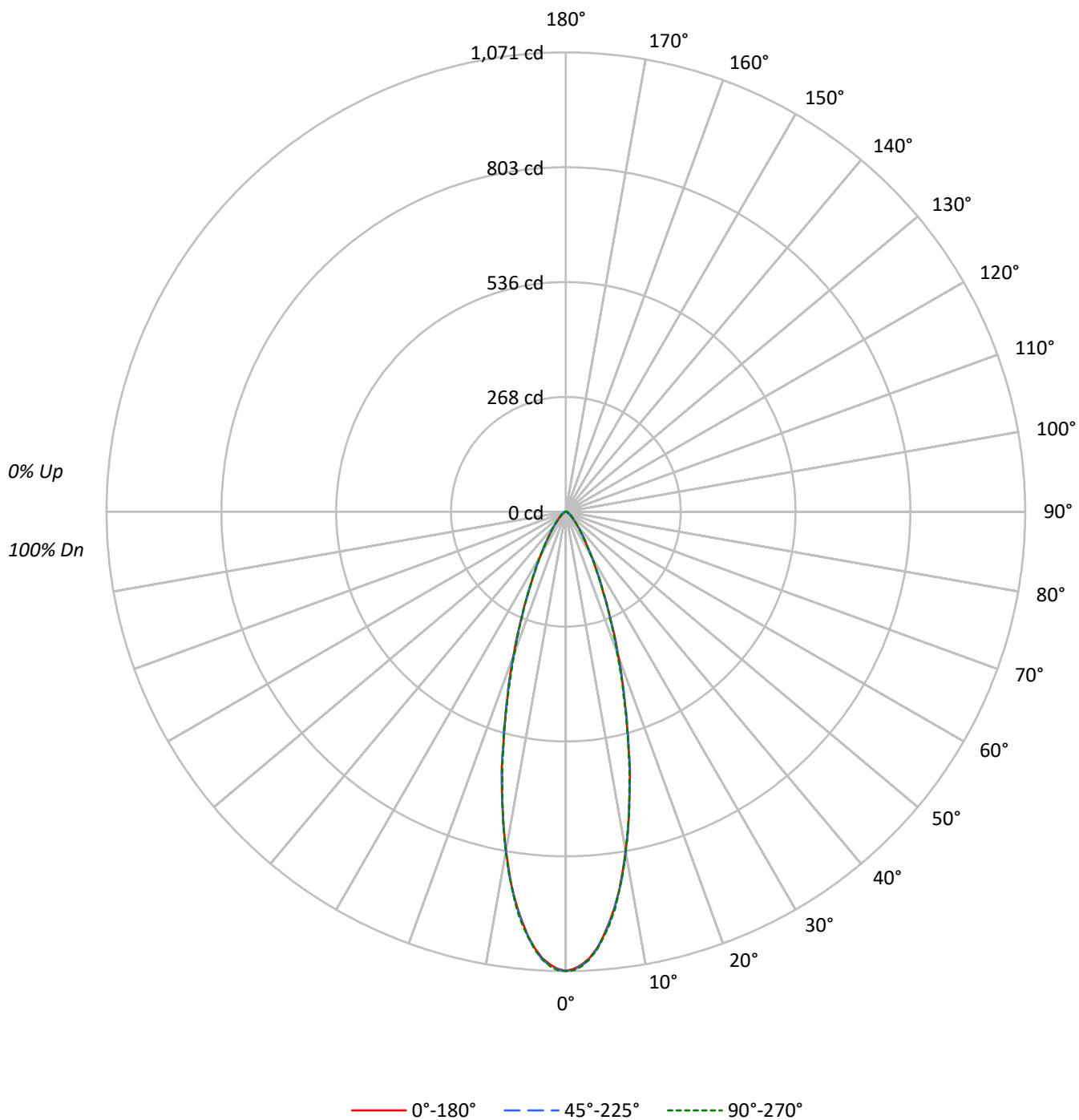
Lumens per Lamp: N/A
Luminaire Lumens: 429.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308910

CATALOG NUMBER: LDSQA3D05R259030DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308910

CATALOG NUMBER: LDSQA3D05R259030DE010 3LSQPHRL1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	184399	184399	184399
5°	172103	172293	172379
10°	140376	140830	140830
15°	100275	100810	100275
20°	65631	64989	64055
25°	39012	39202	39012
30°	23506	23506	23406
35°	14318	14423	14318
40°	9128	9240	9240
45°	6333	6333	6333
50°	4555	4689	4689
55°	3603	3603	3753
60°	2928	3100	3100
65°	2649	2649	2649
70°	2266	2266	2518
75°	1996	1996	2329
80°	1984	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6333 cd/sqm

TEST NUMBER: P1308910

CATALOG NUMBER: LDSQA3D05R259030DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	20.7
10°-20°	155.1	36.2
20°-30°	97.5	22.7
30°-40°	44.6	10.4
40°-50°	20.8	4.9
50°-60°	11.2	2.6
60°-70°	6.6	1.5
70°-80°	3.4	0.8
80°-90°	0.8	0.2
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°	341.6	79.6
0°-40°	386.2	90.0
0°-60°	418.2	97.5
0°-90°	429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	996	998	997	998	997	89
15°	562	566	565	566	562	155
25°	205	208	206	206	205	98
35°	68	68	69	69	68	44
45°	26	26	26	26	26	21
55°	12	12	12	12	12	11
65°	6	6	6	6	6	6
75°	3	3	3	4	4	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1308910

CATALOG NUMBER: LDSQA3D05R259030DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1070.7	1070.7	1070.7	1070.7	1070.7
1°	1066.2	1067.2	1068.2	1069.7	1069.2
2°	1056.1	1058.1	1058.6	1060.7	1060.2
3°	1042.6	1042.1	1046.1	1046.1	1043.6
4°	1021.6	1022.6	1023.6	1024.6	1025.1
5°	995.5	997.6	996.6	997.6	997.1
6°	963.5	966.5	966.0	967.0	968.5
7°	929.4	931.5	931.5	930.4	934.5
8°	892.4	890.9	893.4	892.4	891.9
9°	848.3	851.3	851.8	849.3	850.3
10°	802.7	804.8	805.3	806.8	805.3
11°	757.7	757.7	758.7	761.2	757.2
12°	708.6	713.1	708.6	710.6	708.6
13°	662.0	663.0	662.0	661.5	658.0
14°	618.0	614.5	615.5	611.5	612.0
15°	562.4	565.9	565.4	566.4	562.4
17.5°	452.2	454.2	453.7	452.7	447.7
20°	358.1	358.1	354.6	352.5	349.5
22.5°	273.4	272.4	270.9	269.4	270.4
25°	205.3	207.8	206.3	206.3	205.3
27.5°	155.2	158.2	155.7	154.2	155.2
30°	118.2	119.2	118.2	117.7	117.7
32.5°	89.1	89.6	89.1	89.1	89.1
35°	68.1	68.1	68.6	68.6	68.1
37.5°	52.6	52.6	52.6	52.6	53.1
40°	40.6	41.1	41.1	41.1	41.1
42.5°	32.0	32.6	32.6	32.6	32.6
45°	26.0	26.0	26.0	26.0	26.0
47.5°	21.0	21.0	21.0	21.0	21.5
50°	17.0	17.5	17.5	17.5	17.5
52.5°	14.5	14.5	14.5	14.5	14.5
55°	12.0	12.0	12.0	12.5	12.5
57.5°	10.0	10.0	10.5	10.5	10.5
60°	8.5	9.0	9.0	9.0	9.0
62.5°	7.5	7.5	8.0	8.0	8.0
65°	6.5	6.5	6.5	6.5	6.5
67.5°	5.5	5.5	5.5	5.5	6.0
70°	4.5	4.5	4.5	5.0	5.0
72.5°	4.0	4.0	4.0	4.0	4.0
75°	3.0	3.0	3.0	3.5	3.5
77.5°	2.5	2.5	2.5	2.5	2.5
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308910

CATALOG NUMBER: LDSQA3D05R259030DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)