

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: P1315254

Luminaire Tested: LDSQA3D05R159735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

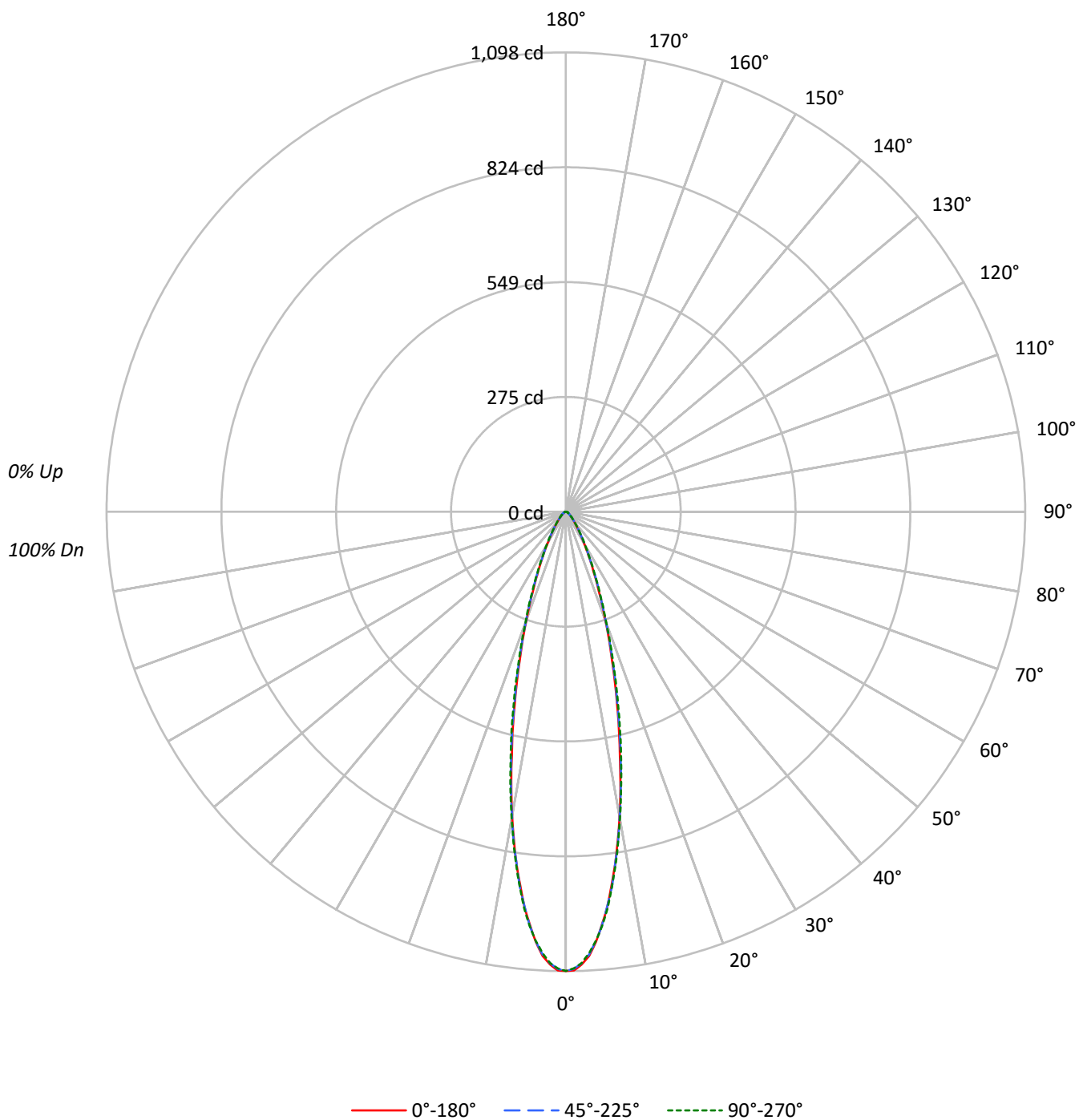
Lumens per Lamp: N/A
Luminaire Lumens: 363.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315254

CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315254

CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQPHRL1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	189049	189049	189049
5°	171238	171549	171791
10°	129271	129603	130250
15°	83854	84763	86439
20°	50492	51079	51775
25°	29492	30119	30556
30°	17341	17898	18176
35°	10680	11080	11269
40°	7014	7239	7329
45°	4871	4993	5115
50°	3617	3751	3858
55°	2943	3093	3093
60°	2583	2583	2583
65°	2282	2282	2282
70°	1863	2115	2115
75°	1863	1863	1863
80°	1389	1884	1884
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5115 cd/sqm

TEST NUMBER: P1315254

CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	23.8
10°-20°	132.2	36.4
20°-30°	75.1	20.7
30°-40°	34.3	9.4
40°-50°	16.4	4.5
50°-60°	9.2	2.5
60°-70°	5.6	1.6
70°-80°	3.0	0.8
80°-90°	0.6	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°	293.8	80.9
0°-40°	328.1	90.4
0°-60°	353.8	97.4
0°-90°	363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	363.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	990	990	992	992	994	86
15°	470	473	475	482	485	130
25°	155	155	158	160	161	74
35°	51	52	53	54	54	33
45°	20	20	20	21	21	16
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1315254

CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1097.7	1097.7	1097.7	1097.7	1097.7
1°	1096.8	1094.0	1093.0	1092.6	1091.6
2°	1082.8	1080.4	1080.0	1080.0	1079.5
3°	1063.2	1059.0	1059.5	1058.1	1056.7
4°	1030.1	1028.2	1029.2	1030.1	1028.2
5°	990.5	990.0	992.3	992.3	993.7
6°	949.5	949.0	947.6	951.3	953.2
7°	897.3	900.1	903.8	901.9	903.3
8°	849.7	846.5	847.9	852.5	853.0
9°	793.8	791.5	797.5	799.4	799.8
10°	739.2	741.6	741.1	747.6	744.8
12.5°	597.1	600.8	605.0	607.8	610.6
15°	470.3	472.6	475.4	482.0	484.8
17.5°	361.7	364.5	367.3	372.9	373.8
20°	275.5	276.9	278.7	283.9	282.5
22.5°	206.0	208.4	210.2	212.5	213.9
25°	155.2	155.2	158.5	159.9	160.8
27.5°	115.6	116.5	118.9	120.7	120.3
30°	87.2	88.6	90.0	90.9	91.4
32.5°	67.1	67.1	68.5	69.9	70.4
35°	50.8	51.7	52.7	53.6	53.6
37.5°	39.6	40.1	41.0	41.5	41.5
40°	31.2	31.2	32.2	32.6	32.6
42.5°	24.7	25.2	25.6	26.1	26.1
45°	20.0	20.0	20.5	21.0	21.0
47.5°	16.3	16.3	16.8	17.2	17.2
50°	13.5	14.0	14.0	14.4	14.4
52.5°	11.7	11.7	11.7	12.1	12.1
55°	9.8	9.8	10.3	10.3	10.3
57.5°	8.4	8.4	8.4	8.9	8.9
60°	7.5	7.5	7.5	7.5	7.5
62.5°	6.5	6.5	6.5	6.5	6.5
65°	5.6	5.6	5.6	5.6	5.6
67.5°	4.7	4.7	4.7	5.1	5.1
70°	3.7	4.2	4.2	4.2	4.2
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.4	1.9	1.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)