

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: P1311115

Luminaire Tested: LDSQA3D05R159040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311115
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: LDSQA3D05R159040DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

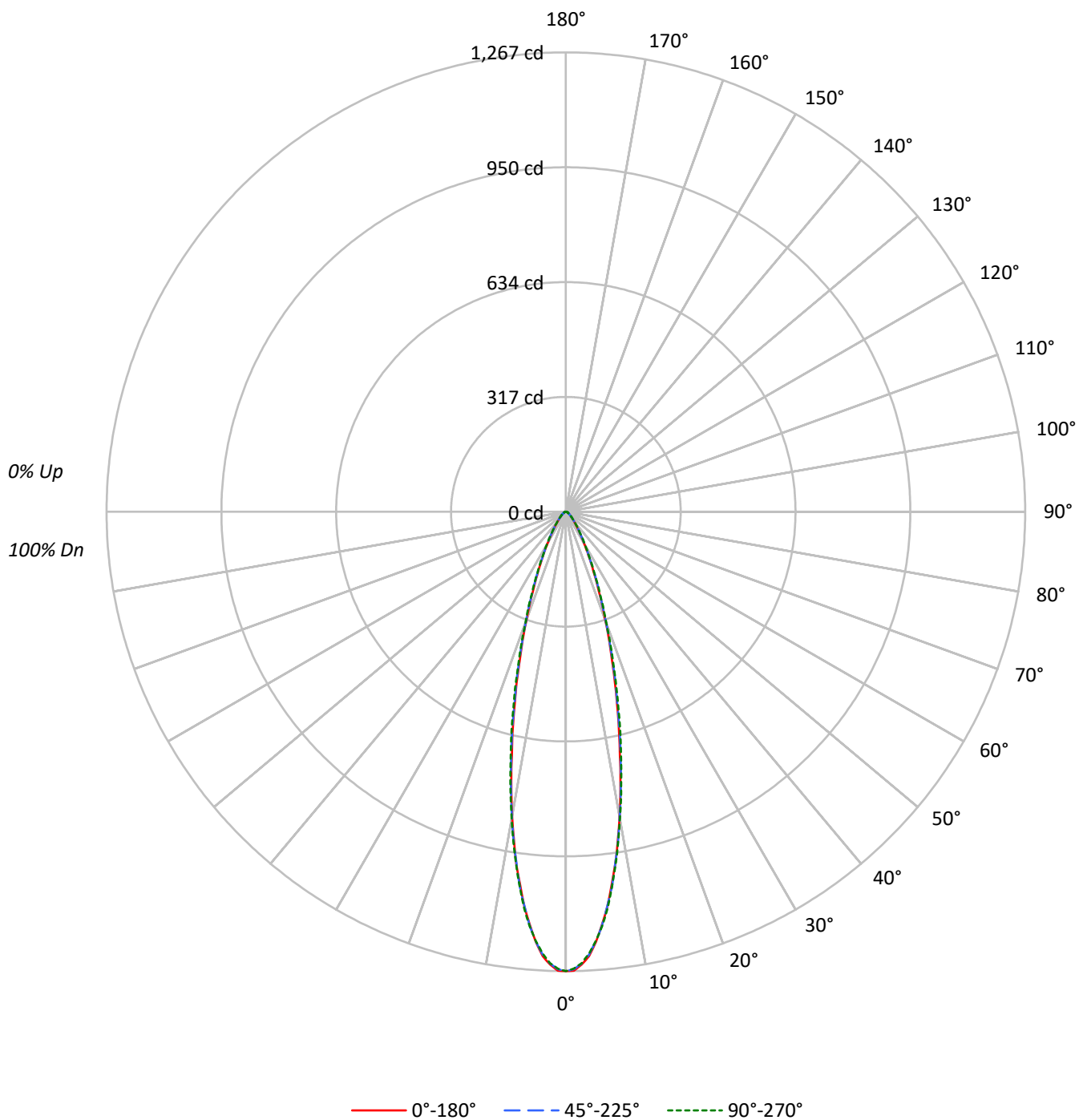
Lumens per Lamp: N/A
Luminaire Lumens: 419.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311115

CATALOG NUMBER: LDSQA3D05R159040DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218206	218206	218206
5°	197654	198017	198311
10°	149225	149592	150361
15°	96798	97850	99758
20°	58282	58960	59748
25°	34053	34756	35269
30°	20006	20642	20980
35°	12320	12783	13014
40°	8094	8341	8476
45°	5626	5772	5894
50°	4180	4314	4474
55°	3393	3543	3543
60°	2962	2962	2962
65°	2649	2649	2649
70°	2165	2417	2417
75°	2129	2129	2129
80°	1587	2182	2182
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5894 cd/sqm

TEST NUMBER: P1311115

CATALOG NUMBER: LDSQA3D05R159040DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	23.8
10°-20°	152.6	36.4
20°-30°	86.7	20.7
30°-40°	39.6	9.4
40°-50°	19.0	4.5
50°-60°	10.6	2.5
60°-70°	6.5	1.5
70°-80°	3.5	0.8
80°-90°	0.7	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°	339.1	80.9
0°-40°	378.7	90.4
0°-60°	408.3	97.4
0°-90°	419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1143	1143	1145	1145	1147	100
15°	543	546	549	556	560	151
25°	179	179	183	184	186	85
35°	59	60	61	62	62	38
45°	23	23	24	24	24	18
55°	11	11	12	12	12	10
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1267.0	1267.0	1267.0	1267.0	1267.0
1°	1266.0	1262.7	1261.6	1261.1	1260.0
2°	1249.8	1247.1	1246.6	1246.6	1246.0
3°	1227.2	1222.4	1222.9	1221.3	1219.7
4°	1189.0	1186.9	1187.9	1189.0	1186.9
5°	1143.3	1142.7	1145.4	1145.4	1147.1
6°	1095.9	1095.4	1093.8	1098.1	1100.2
7°	1035.7	1038.9	1043.2	1041.1	1042.7
8°	980.8	977.0	978.7	984.0	984.6
9°	916.2	913.6	920.5	922.7	923.2
10°	853.3	856.0	855.4	863.0	859.8
12.5°	689.2	693.5	698.3	701.6	704.8
15°	542.9	545.5	548.8	556.3	559.5
17.5°	417.5	420.7	424.0	430.4	431.5
20°	318.0	319.6	321.7	327.7	326.0
22.5°	237.8	240.5	242.6	245.3	246.9
25°	179.2	179.2	182.9	184.5	185.6
27.5°	133.4	134.5	137.2	139.3	138.8
30°	100.6	102.2	103.8	104.9	105.5
32.5°	77.5	77.5	79.1	80.7	81.2
35°	58.6	59.7	60.8	61.9	61.9
37.5°	45.7	46.3	47.3	47.9	47.9
40°	36.0	36.0	37.1	37.7	37.7
42.5°	28.5	29.1	29.6	30.1	30.1
45°	23.1	23.1	23.7	24.2	24.2
47.5°	18.8	18.8	19.4	19.9	19.9
50°	15.6	16.1	16.1	16.7	16.7
52.5°	13.5	13.5	13.5	14.0	14.0
55°	11.3	11.3	11.8	11.8	11.8
57.5°	9.7	9.7	9.7	10.2	10.2
60°	8.6	8.6	8.6	8.6	8.6
62.5°	7.5	7.5	7.5	7.5	7.5
65°	6.5	6.5	6.5	6.5	6.5
67.5°	5.4	5.4	5.4	5.9	5.9
70°	4.3	4.8	4.8	4.8	4.8
72.5°	3.8	3.8	3.8	3.8	3.8
75°	3.2	3.2	3.2	3.2	3.2
77.5°	2.7	2.7	2.7	2.7	2.7
80°	1.6	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
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)