

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: P1306789

Luminaire Tested: LDSQA3D05R159024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306789
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: LDSQA3D05R159024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

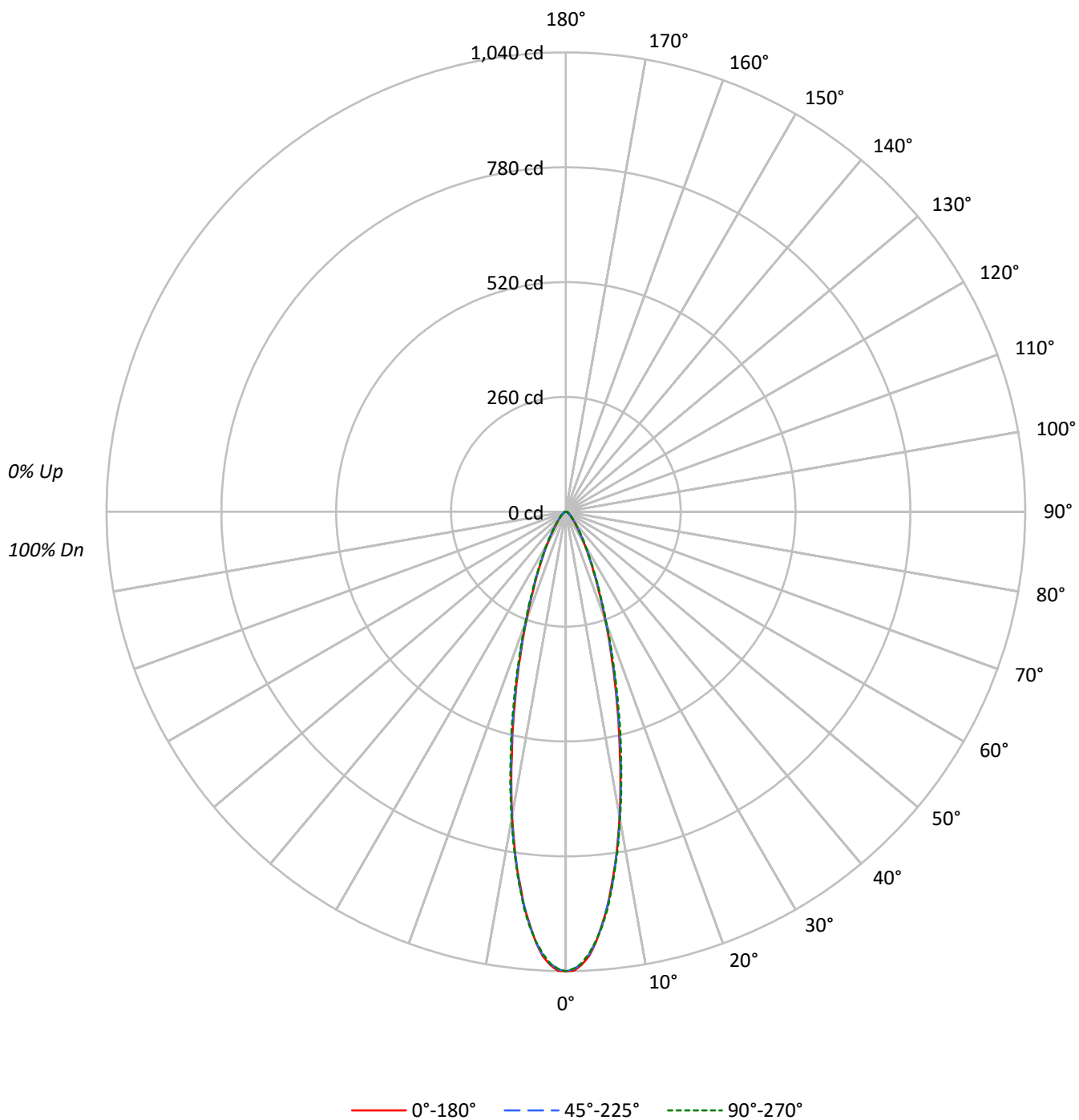
Lumens per Lamp: N/A
Luminaire Lumens: 344.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306789

CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306789

CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQPHRL1MW

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°	179146	179146	179146
5°	162266	162577	162802
10°	122521	122818	123447
15°	79467	80323	81910
20°	47853	48403	49063
25°	27953	28542	28960
30°	16426	16963	17222
35°	10113	10491	10680
40°	6655	6857	6947
45°	4628	4725	4847
50°	3430	3563	3671
55°	2792	2913	2913
60°	2446	2446	2446
65°	2160	2160	2160
70°	1762	2014	2014
75°	1797	1797	1797
80°	1289	1785	1785
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4847 cd/sqm

TEST NUMBER: P1306789

CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	23.8
10°-20°	125.3	36.4
20°-30°	71.2	20.7
30°-40°	32.5	9.4
40°-50°	15.6	4.5
50°-60°	8.7	2.5
60°-70°	5.3	1.6
70°-80°	2.9	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°	278.4	80.9
0°-40°	310.9	90.4
0°-60°	335.2	97.4
0°-90°	344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	939	938	940	940	942	82
15°	446	448	450	457	459	124
25°	147	147	150	152	152	70
35°	48	49	50	51	51	32
45°	19	19	19	20	20	15
55°	9	9	10	10	10	9
65°	5	5	5	5	5	5
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1306789

CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1040.2	1040.2	1040.2	1040.2	1040.2
1°	1039.4	1036.7	1035.8	1035.4	1034.5
2°	1026.1	1023.9	1023.4	1023.4	1023.0
3°	1007.5	1003.6	1004.0	1002.7	1001.4
4°	976.2	974.4	975.3	976.2	974.4
5°	938.6	938.2	940.4	940.4	941.7
6°	899.8	899.3	898.0	901.5	903.3
7°	850.3	852.9	856.5	854.7	856.0
8°	805.2	802.2	803.5	807.9	808.3
9°	752.2	750.0	755.8	757.5	758.0
10°	700.6	702.8	702.3	708.5	705.9
12.5°	565.8	569.4	573.3	576.0	578.6
15°	445.7	447.9	450.5	456.7	459.4
17.5°	342.8	345.4	348.1	353.4	354.3
20°	261.1	262.4	264.1	269.0	267.7
22.5°	195.2	197.4	199.2	201.4	202.7
25°	147.1	147.1	150.2	151.5	152.4
27.5°	109.5	110.4	112.6	114.4	114.0
30°	82.6	83.9	85.3	86.1	86.6
32.5°	63.6	63.6	64.9	66.3	66.7
35°	48.1	49.0	49.9	50.8	50.8
37.5°	37.5	38.0	38.9	39.3	39.3
40°	29.6	29.6	30.5	30.9	30.9
42.5°	23.4	23.9	24.3	24.7	24.7
45°	19.0	19.0	19.4	19.9	19.9
47.5°	15.5	15.5	15.9	16.3	16.3
50°	12.8	13.3	13.3	13.7	13.7
52.5°	11.0	11.0	11.0	11.5	11.5
55°	9.3	9.3	9.7	9.7	9.7
57.5°	8.0	8.0	8.0	8.4	8.4
60°	7.1	7.1	7.1	7.1	7.1
62.5°	6.2	6.2	6.2	6.2	6.2
65°	5.3	5.3	5.3	5.3	5.3
67.5°	4.4	4.4	4.4	4.9	4.9
70°	3.5	4.0	4.0	4.0	4.0
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.3	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)