

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: P1311143

Luminaire Tested: LDSQA3D05R259040DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259040DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

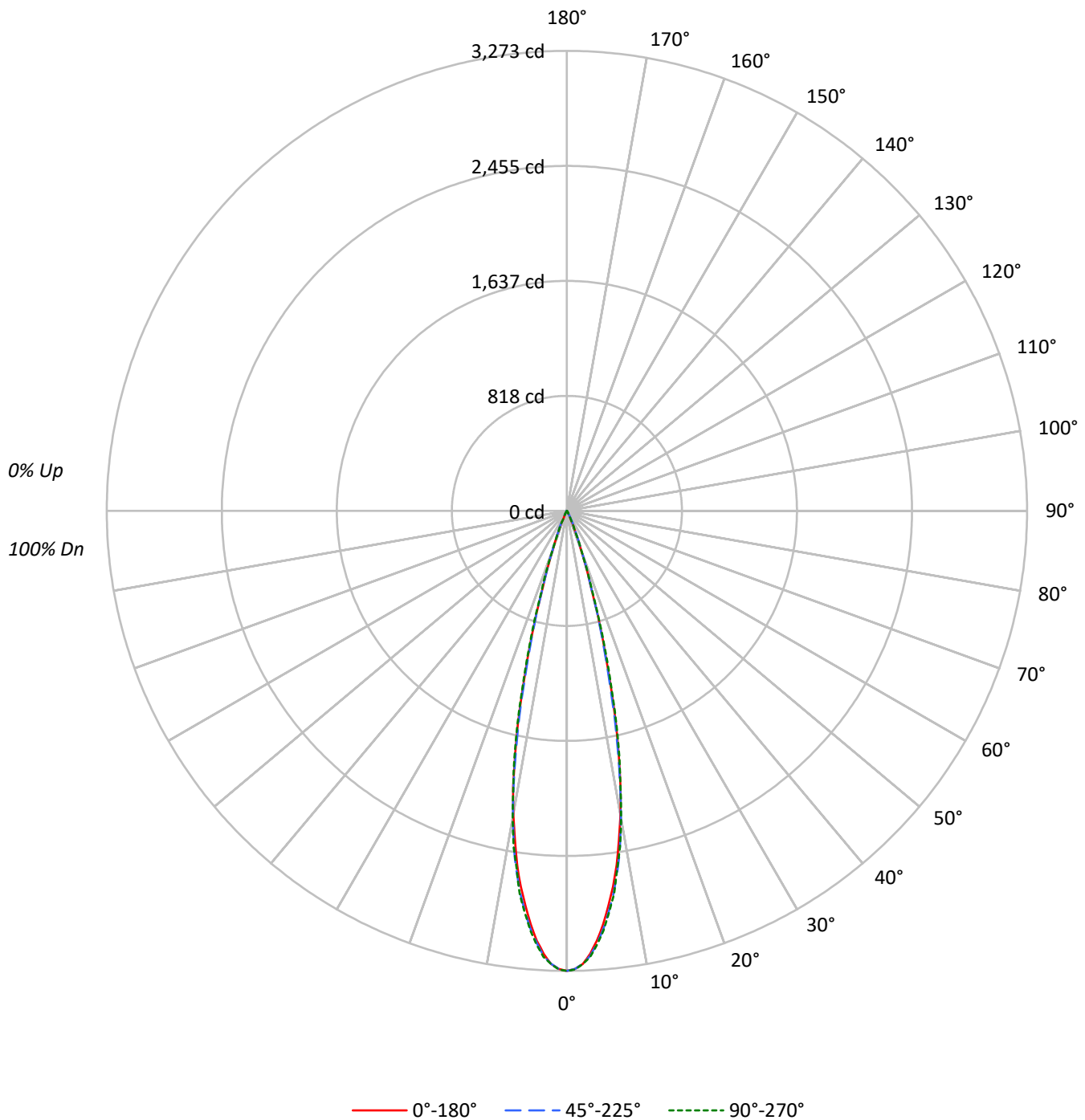
Lumens per Lamp: N/A
Luminaire Lumens: 604.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311143

CATALOG NUMBER: LDSQA3D05R259040DE010 3LSQPHR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311143

CATALOG NUMBER: LDSQA3D05R259040DE010 3LSQPHR1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	563650	563650	563650
5°	510775	515426	517950
10°	383983	386711	388495
15°	190119	184467	196752
20°	53700	54579	55184
25°	9311	17596	11060
30°	3639	3739	3858
35°	1135	1240	1240
40°	360	495	360
45°	268	122	268
50°	134	0	134
55°	150	0	150
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 268 cd/sqm

TEST NUMBER: P1311143

CATALOG NUMBER: LDSQA3D05R259040DE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.0	43.0
10°-20°	293.2	48.5
20°-30°	45.5	7.5
30°-40°	4.6	0.8
40°-50°	0.6	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	598.7	99.1
0°-40°	603.3	99.9
0°-60°	604.0	100.0
0°-90°	604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3273	3273	3273	3273	3273	
5°	2954	2960	2981	2993	2996	258
15°	1066	1059	1035	1081	1104	292
25°	49	73	93	71	58	41
35°	5	6	6	6	6	4
45°	1	0	0	0	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311143

CATALOG NUMBER: LDSQA3D05R259040DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3272.8	3272.8	3272.8	3272.8	3272.8
1°	3259.3	3263.6	3258.8	3264.2	3263.6
2°	3225.4	3229.7	3223.8	3227.0	3227.0
3°	3155.9	3165.1	3170.5	3174.2	3177.5
4°	3064.4	3074.6	3082.7	3092.4	3092.4
5°	2954.5	2959.9	2981.4	2993.3	2996.0
6°	2823.6	2845.2	2861.3	2885.0	2870.5
7°	2692.8	2710.5	2733.2	2736.9	2747.2
8°	2544.1	2563.0	2584.0	2580.2	2571.6
9°	2363.2	2390.6	2415.4	2407.3	2418.1
10°	2195.7	2212.4	2211.3	2203.2	2221.5
11°	2001.3	2005.0	1984.0	2016.9	1997.0
12°	1770.8	1774.0	1747.1	1779.4	1799.8
13°	1550.0	1542.4	1505.3	1547.8	1573.7
14°	1295.8	1298.5	1251.1	1333.5	1327.0
15°	1066.3	1058.8	1034.6	1080.9	1103.5
17.5°	568.2	573.0	567.1	590.3	604.8
20°	293.0	301.1	297.8	307.5	301.1
22.5°	151.9	163.2	166.4	158.9	138.4
25°	49.0	72.7	92.6	70.6	58.2
27.5°	29.6	29.1	45.2	31.2	31.8
30°	18.3	17.8	18.8	18.8	19.4
32.5°	10.2	10.8	10.2	11.3	10.8
35°	5.4	5.9	5.9	6.5	5.9
37.5°	3.2	3.8	3.8	3.8	3.2
40°	1.6	2.2	2.2	1.6	1.6
42.5°	1.1	1.1	1.1	1.1	1.1
45°	1.1	0.5	0.5	0.5	1.1
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.5	0.0	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.5	0.0	0.0	0.0	0.5
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
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: P1311143

CATALOG NUMBER: LDSQA3D05R259040DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)