

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: P1312705

Luminaire Tested: LDSQA3D17R259050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312705
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: LDSQA3D17R259050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

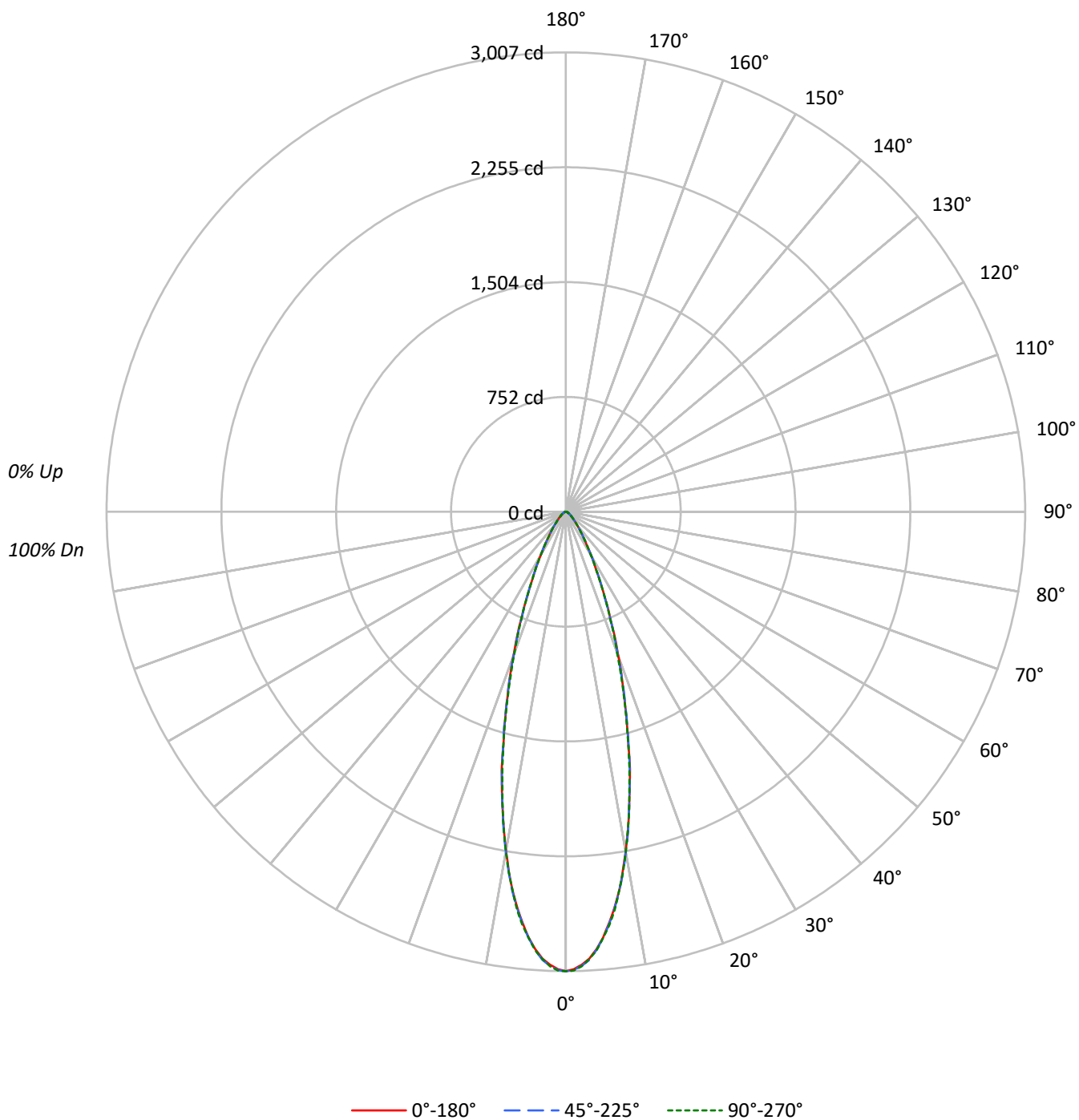
Lumens per Lamp: N/A
Luminaire Lumens: 1205.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	517942	517942	517942
5°	483443	483927	484169
10°	394318	395542	395542
15°	281640	283155	281640
20°	184320	182524	179940
25°	109588	110120	109588
30°	66023	66023	65745
35°	40220	40514	40220
40°	25607	25922	25922
45°	17804	17804	17804
50°	12807	13182	13182
55°	10149	10149	10569
60°	8232	8714	8714
65°	7457	7457	7457
70°	6395	6395	7100
75°	5590	5590	6521
80°	5554	5554	5554
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17804 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.9	20.7
10°-20°	435.6	36.2
20°-30°	273.9	22.7
30°-40°	125.3	10.4
40°-50°	58.5	4.9
50°-60°	31.5	2.6
60°-70°	18.6	1.5
70°-80°	9.7	0.8
80°-90°	2.1	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°	959.4	79.6
0°-40°	1084.7	90.0
0°-60°	1174.6	97.5
0°-90°	1205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3007	3007	3007	3007	3007	
5°	2796	2802	2799	2802	2801	249
15°	1580	1590	1588	1591	1580	436
25°	577	584	580	580	577	274
35°	191	191	193	193	191	125
45°	73	73	73	73	73	58
55°	34	34	34	35	35	31
65°	18	18	18	18	18	18
75°	8	8	8	10	10	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3007.4	3007.4	3007.4	3007.4	3007.4
1°	2994.7	2997.5	3000.3	3004.5	3003.1
2°	2966.6	2972.2	2973.6	2979.2	2977.8
3°	2928.6	2927.2	2938.4	2938.4	2931.4
4°	2869.5	2872.3	2875.1	2877.9	2879.3
5°	2796.4	2802.0	2799.2	2802.0	2800.6
6°	2706.3	2714.8	2713.4	2716.2	2720.4
7°	2610.7	2616.3	2616.3	2613.5	2624.8
8°	2506.6	2502.4	2509.4	2506.6	2505.2
9°	2382.8	2391.3	2392.7	2385.6	2388.4
10°	2254.8	2260.4	2261.8	2266.1	2261.8
11°	2128.2	2128.2	2131.0	2138.1	2126.8
12°	1990.4	2003.0	1990.4	1996.0	1990.4
13°	1859.6	1862.4	1859.6	1858.1	1848.3
14°	1735.8	1725.9	1728.7	1717.5	1718.9
15°	1579.6	1589.5	1588.1	1590.9	1579.6
17.5°	1270.2	1275.8	1274.4	1271.6	1257.5
20°	1005.7	1005.7	995.9	990.3	981.8
22.5°	768.0	765.2	761.0	756.8	759.6
25°	576.7	583.7	579.5	579.5	576.7
27.5°	436.1	444.5	437.5	433.2	436.1
30°	332.0	334.8	332.0	330.6	330.6
32.5°	250.4	251.8	250.4	250.4	250.4
35°	191.3	191.3	192.7	192.7	191.3
37.5°	147.7	147.7	147.7	147.7	149.1
40°	113.9	115.3	115.3	115.3	115.3
42.5°	90.0	91.4	91.4	91.4	91.4
45°	73.1	73.1	73.1	73.1	73.1
47.5°	59.1	59.1	59.1	59.1	60.5
50°	47.8	49.2	49.2	49.2	49.2
52.5°	40.8	40.8	40.8	40.8	40.8
55°	33.8	33.8	33.8	35.2	35.2
57.5°	28.1	28.1	29.5	29.5	29.5
60°	23.9	25.3	25.3	25.3	25.3
62.5°	21.1	21.1	22.5	22.5	22.5
65°	18.3	18.3	18.3	18.3	18.3
67.5°	15.5	15.5	15.5	15.5	16.9
70°	12.7	12.7	12.7	14.1	14.1
72.5°	11.3	11.3	11.3	11.3	11.3
75°	8.4	8.4	8.4	9.8	9.8
77.5°	7.0	7.0	7.0	7.0	7.0
80°	5.6	5.6	5.6	5.6	5.6
82.5°	2.8	2.8	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)