

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: P1308242

Luminaire Tested: LDSQA3D17R159027DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308242
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: LDSQA3D17R159027DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

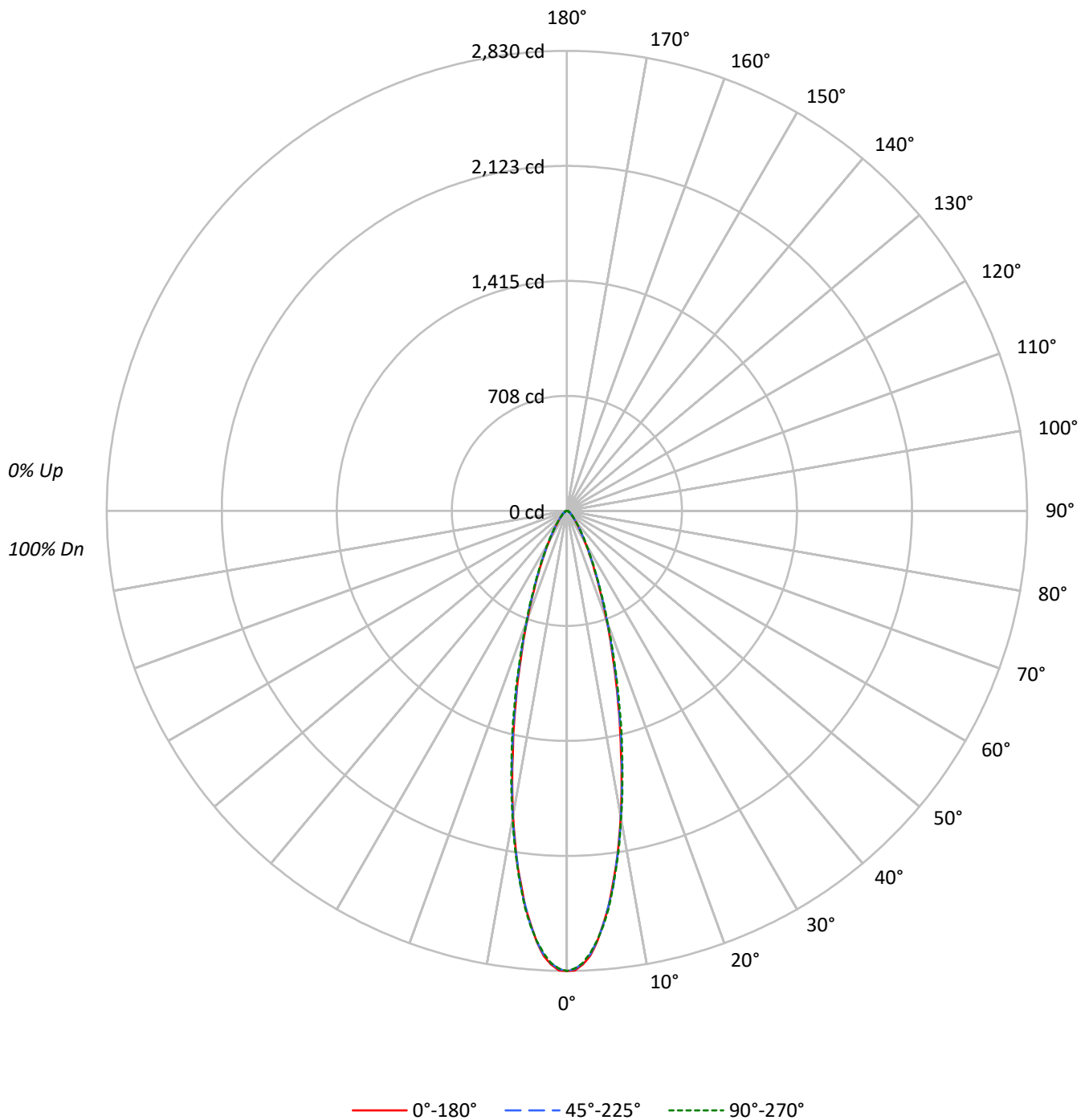
Lumens per Lamp: N/A
Luminaire Lumens: 936.0 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	487459	487459	487459
5°	441537	442367	442989
10°	333355	334195	335873
15°	216222	218576	222855
20°	130181	131720	133480
25°	76049	77645	78785
30°	44685	46137	46853
35°	27542	28551	29056
40°	18098	18638	18907
45°	12592	12884	13177
50°	9351	9672	9994
55°	7567	7927	7927
60°	6613	6613	6613
65°	5868	5868	5868
70°	4834	5438	5438
75°	4791	4791	4791
80°	3570	4761	4761
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 13177 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.0	23.8
10°-20°	340.9	36.4
20°-30°	193.8	20.7
30°-40°	88.4	9.4
40°-50°	42.4	4.5
50°-60°	23.7	2.5
60°-70°	14.5	1.5
70°-80°	7.7	0.8
80°-90°	1.7	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°	757.6	80.9
0°-40°	846.0	90.4
0°-60°	912.1	97.5
0°-90°	936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2830	2830	2830	2830	2830	
5°	2554	2553	2559	2559	2562	223
15°	1213	1219	1226	1243	1250	336
25°	400	400	409	412	415	190
35°	131	133	136	138	138	86
45°	52	52	53	54	54	41
55°	25	25	26	26	26	23
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2830.4	2830.4	2830.4	2830.4	2830.4
1°	2828.0	2820.8	2818.4	2817.2	2814.8
2°	2791.9	2785.9	2784.7	2784.7	2783.5
3°	2741.5	2730.6	2731.8	2728.2	2724.6
4°	2656.1	2651.3	2653.7	2656.1	2651.3
5°	2554.0	2552.8	2558.8	2558.8	2562.4
6°	2448.2	2447.0	2443.4	2453.0	2457.8
7°	2313.6	2320.8	2330.4	2325.6	2329.2
8°	2191.0	2182.6	2186.2	2198.2	2199.4
9°	2046.8	2040.8	2056.4	2061.2	2062.4
10°	1906.2	1912.2	1911.0	1927.8	1920.6
12.5°	1539.6	1549.2	1560.0	1567.2	1574.4
15°	1212.7	1218.7	1225.9	1242.7	1249.9
17.5°	932.7	939.9	947.1	961.5	963.9
20°	710.3	713.9	718.7	731.9	728.3
22.5°	531.2	537.2	542.0	548.1	551.7
25°	400.2	400.2	408.6	412.2	414.6
27.5°	298.1	300.5	306.5	311.3	310.1
30°	224.7	228.4	232.0	234.4	235.6
32.5°	173.1	173.1	176.7	180.3	181.5
35°	131.0	133.4	135.8	138.2	138.2
37.5°	102.2	103.4	105.8	107.0	107.0
40°	80.5	80.5	82.9	84.1	84.1
42.5°	63.7	64.9	66.1	67.3	67.3
45°	51.7	51.7	52.9	54.1	54.1
47.5°	42.1	42.1	43.3	44.5	44.5
50°	34.9	36.1	36.1	37.3	37.3
52.5°	30.0	30.0	30.0	31.2	31.2
55°	25.2	25.2	26.4	26.4	26.4
57.5°	21.6	21.6	21.6	22.8	22.8
60°	19.2	19.2	19.2	19.2	19.2
62.5°	16.8	16.8	16.8	16.8	16.8
65°	14.4	14.4	14.4	14.4	14.4
67.5°	12.0	12.0	12.0	13.2	13.2
70°	9.6	10.8	10.8	10.8	10.8
72.5°	8.4	8.4	8.4	8.4	8.4
75°	7.2	7.2	7.2	7.2	7.2
77.5°	6.0	6.0	6.0	6.0	6.0
80°	3.6	4.8	4.8	4.8	4.8
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)