

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: P1307270

Luminaire Tested: LDSQA3D17R159024DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307270
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: LDSQA3D17R159024DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

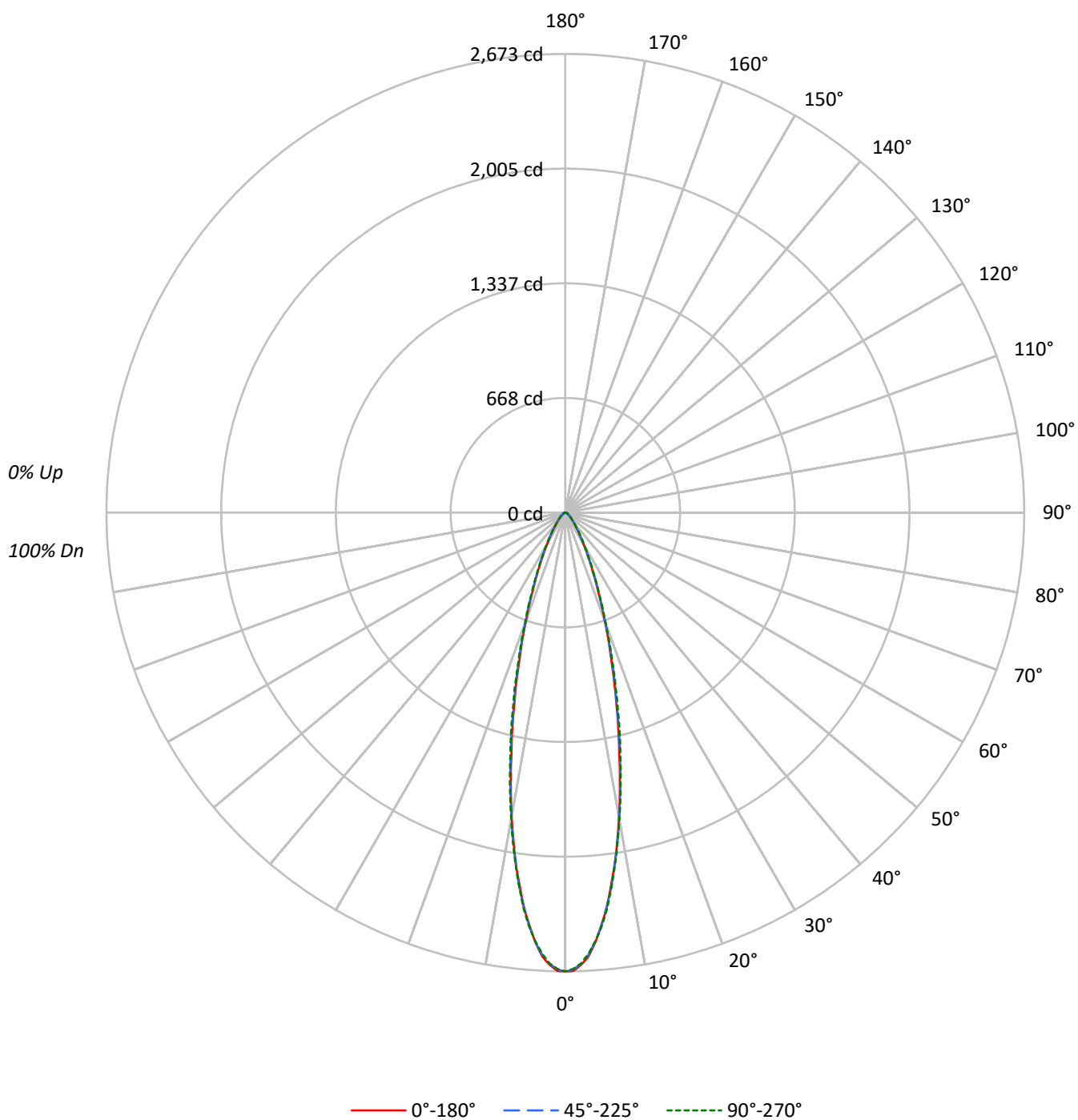
Lumens per Lamp: N/A
Luminaire Lumens: 884.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	460386	460386	460386
5°	417005	417783	418371
10°	314835	315622	317214
15°	204205	206433	210481
20°	122941	124407	126075
25°	71830	73331	74414
30°	42219	43571	44248
35°	26007	26974	27437
40°	17109	17603	17873
45°	11886	12154	12446
50°	8815	9136	9431
55°	7146	7507	7507
60°	6269	6269	6269
65°	5542	5542	5542
70°	4582	5136	5136
75°	4525	4525	4525
80°	3372	4463	4463
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12446 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	23.8
10°-20°	322.0	36.4
20°-30°	183.0	20.7
30°-40°	83.5	9.4
40°-50°	40.1	4.5
50°-60°	22.4	2.5
60°-70°	13.7	1.6
70°-80°	7.3	0.8
80°-90°	1.6	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°	715.5	80.9
0°-40°	799.0	90.4
0°-60°	861.5	97.4
0°-90°	884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2673	2673	2673	2673	2673	
5°	2412	2411	2417	2417	2420	210
15°	1145	1151	1158	1174	1180	318
25°	378	378	386	389	392	179
35°	124	126	128	130	130	81
45°	49	49	50	51	51	39
55°	24	24	25	25	25	22
65°	14	14	14	14	14	13
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°	2673.2	2673.2	2673.2	2673.2	2673.2
1°	2670.9	2664.1	2661.8	2660.7	2658.4
2°	2636.8	2631.2	2630.0	2630.0	2628.9
3°	2589.2	2578.9	2580.1	2576.7	2573.3
4°	2508.6	2504.0	2506.3	2508.6	2504.0
5°	2412.1	2411.0	2416.6	2416.6	2420.0
6°	2312.2	2311.1	2307.7	2316.7	2321.3
7°	2185.1	2191.9	2201.0	2196.4	2199.8
8°	2069.3	2061.3	2064.7	2076.1	2077.2
9°	1933.1	1927.4	1942.2	1946.7	1947.8
10°	1800.3	1805.9	1804.8	1820.7	1813.9
12.5°	1454.1	1463.1	1473.4	1480.2	1487.0
15°	1145.3	1151.0	1157.8	1173.7	1180.5
17.5°	880.8	887.6	894.5	908.1	910.3
20°	670.8	674.2	678.8	691.3	687.9
22.5°	501.7	507.4	511.9	517.6	521.0
25°	378.0	378.0	385.9	389.3	391.6
27.5°	281.5	283.8	289.5	294.0	292.9
30°	212.3	215.7	219.1	221.3	222.5
32.5°	163.5	163.5	166.9	170.3	171.4
35°	123.7	126.0	128.3	130.5	130.5
37.5°	96.5	97.6	99.9	101.0	101.0
40°	76.1	76.1	78.3	79.5	79.5
42.5°	60.2	61.3	62.4	63.6	63.6
45°	48.8	48.8	49.9	51.1	51.1
47.5°	39.7	39.7	40.9	42.0	42.0
50°	32.9	34.1	34.1	35.2	35.2
52.5°	28.4	28.4	28.4	29.5	29.5
55°	23.8	23.8	25.0	25.0	25.0
57.5°	20.4	20.4	20.4	21.6	21.6
60°	18.2	18.2	18.2	18.2	18.2
62.5°	15.9	15.9	15.9	15.9	15.9
65°	13.6	13.6	13.6	13.6	13.6
67.5°	11.4	11.4	11.4	12.5	12.5
70°	9.1	10.2	10.2	10.2	10.2
72.5°	7.9	7.9	7.9	7.9	7.9
75°	6.8	6.8	6.8	6.8	6.8
77.5°	5.7	5.7	5.7	5.7	5.7
80°	3.4	4.5	4.5	4.5	4.5
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)