

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: P1307759

Luminaire Tested: LDSQA3D05R159027DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307759
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: LDSQA3D05R159027DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

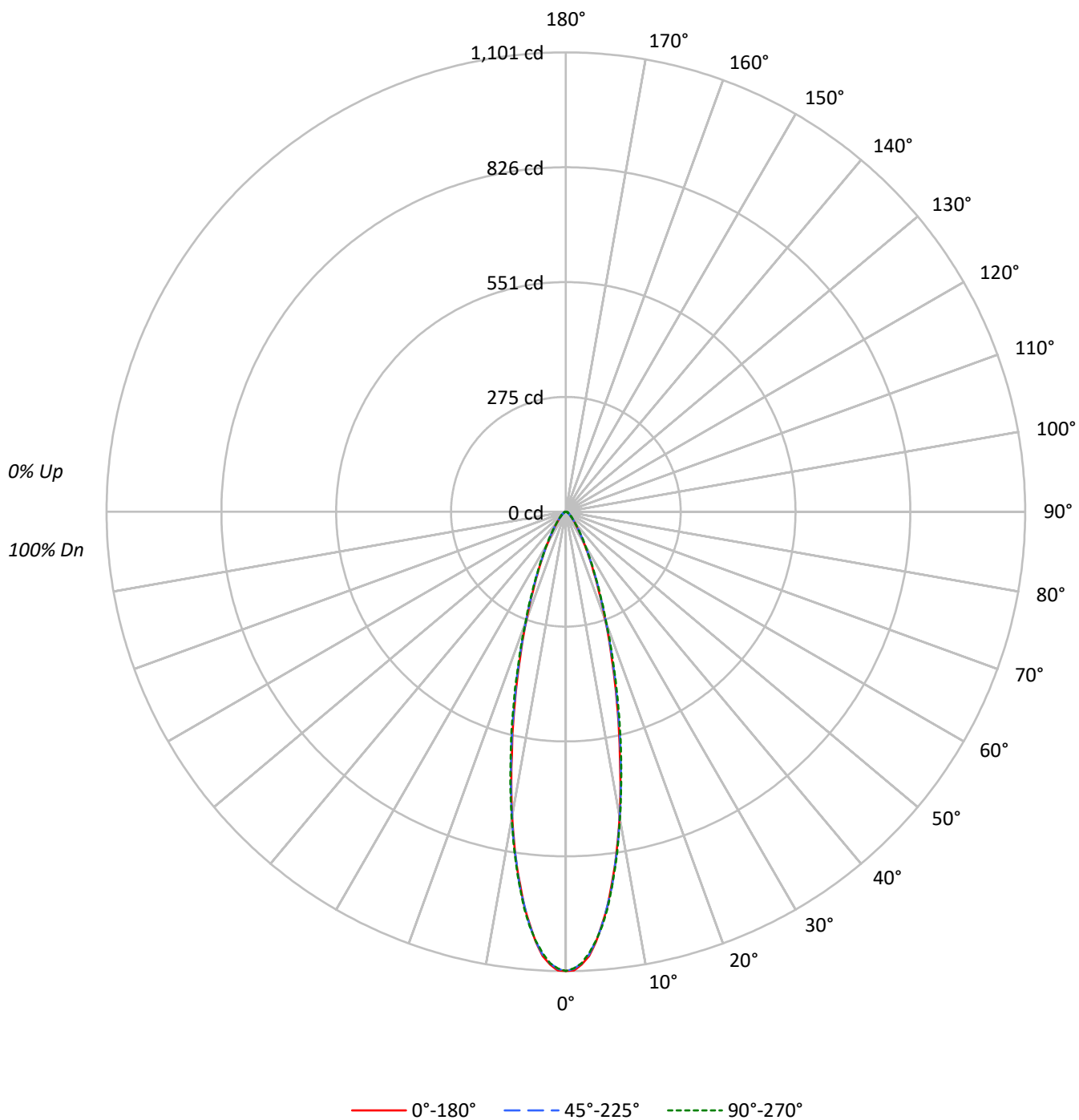
Lumens per Lamp: N/A
Luminaire Lumens: 364.0 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	189565	189565	189565
5°	171705	172033	172275
10°	129638	129970	130617
15°	84085	84995	86671
20°	50621	51226	51904
25°	29568	30195	30651
30°	17381	17938	18216
35°	10701	11101	11311
40°	7037	7262	7352
45°	4896	5017	5115
50°	3644	3751	3885
55°	2943	3093	3093
60°	2583	2583	2583
65°	2282	2282	2282
70°	1863	2115	2115
75°	1863	1863	1863
80°	1389	1884	1884
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5115 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	23.8
10°-20°	132.6	36.4
20°-30°	75.3	20.7
30°-40°	34.4	9.4
40°-50°	16.5	4.5
50°-60°	9.2	2.5
60°-70°	5.6	1.5
70°-80°	3.0	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°	294.6	80.9
0°-40°	329.0	90.4
0°-60°	354.7	97.5
0°-90°	364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	993	993	995	995	996	87
15°	472	474	477	483	486	131
25°	156	156	159	160	161	74
35°	51	52	53	54	54	33
45°	20	20	21	21	21	16
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.7	1100.7	1100.7	1100.7	1100.7
1°	1099.8	1097.0	1096.0	1095.6	1094.6
2°	1085.8	1083.4	1083.0	1083.0	1082.5
3°	1066.1	1061.9	1062.4	1061.0	1059.6
4°	1032.9	1031.1	1032.0	1032.9	1031.1
5°	993.2	992.7	995.1	995.1	996.5
6°	952.1	951.6	950.2	954.0	955.8
7°	899.7	902.5	906.3	904.4	905.8
8°	852.1	848.8	850.2	854.9	855.3
9°	796.0	793.6	799.7	801.6	802.0
10°	741.3	743.6	743.2	749.7	746.9
12.5°	598.7	602.5	606.7	609.5	612.3
15°	471.6	473.9	476.7	483.3	486.1
17.5°	362.7	365.5	368.3	373.9	374.8
20°	276.2	277.6	279.5	284.6	283.2
22.5°	206.6	208.9	210.8	213.1	214.5
25°	155.6	155.6	158.9	160.3	161.3
27.5°	115.9	116.8	119.2	121.1	120.6
30°	87.4	88.8	90.2	91.1	91.6
32.5°	67.3	67.3	68.7	70.1	70.6
35°	50.9	51.9	52.8	53.8	53.8
37.5°	39.7	40.2	41.1	41.6	41.6
40°	31.3	31.3	32.3	32.7	32.7
42.5°	24.8	25.2	25.7	26.2	26.2
45°	20.1	20.1	20.6	21.0	21.0
47.5°	16.4	16.4	16.8	17.3	17.3
50°	13.6	14.0	14.0	14.5	14.5
52.5°	11.7	11.7	11.7	12.2	12.2
55°	9.8	9.8	10.3	10.3	10.3
57.5°	8.4	8.4	8.4	8.9	8.9
60°	7.5	7.5	7.5	7.5	7.5
62.5°	6.5	6.5	6.5	6.5	6.5
65°	5.6	5.6	5.6	5.6	5.6
67.5°	4.7	4.7	4.7	5.1	5.1
70°	3.7	4.2	4.2	4.2	4.2
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.4	1.9	1.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)