

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: P1318896

Luminaire Tested: LDSQA3D05R159835DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318896
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: LDSQA3D05R159835DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

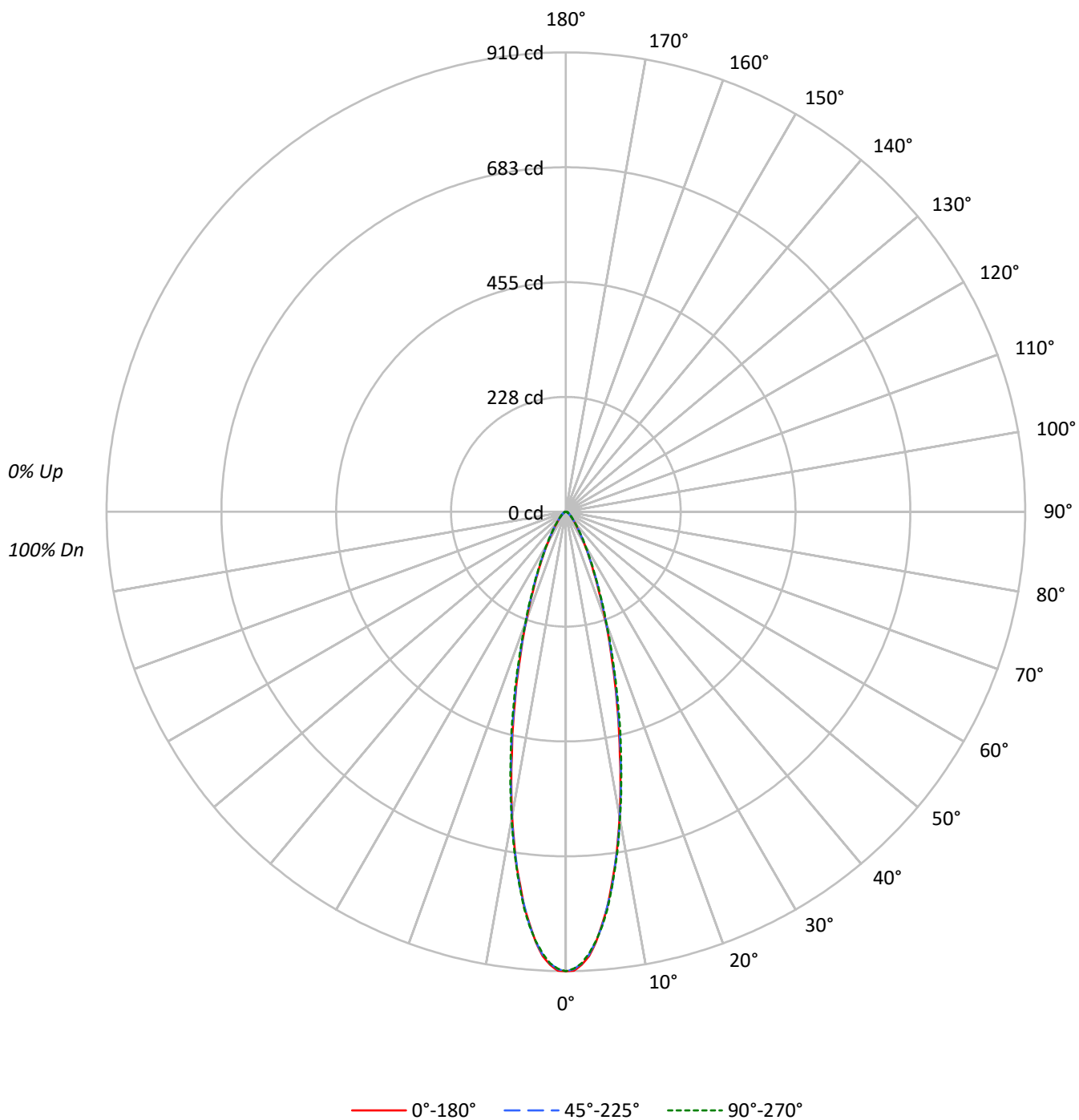
Lumens per Lamp: N/A
Luminaire Lumens: 301.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	156757	156757	156757
5°	141987	142263	142454
10°	107201	107463	108006
15°	69536	70285	71676
20°	41860	42355	42923
25°	24456	24970	25331
30°	14378	14835	15074
35°	8851	9188	9335
40°	5823	6003	6093
45°	4043	4141	4238
50°	3001	3108	3215
55°	2432	2552	2552
60°	2136	2136	2136
65°	1875	1875	1875
70°	1561	1762	1762
75°	1530	1530	1530
80°	1190	1488	1488
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4238 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	23.8
10°-20°	109.6	36.4
20°-30°	62.3	20.7
30°-40°	28.4	9.4
40°-50°	13.6	4.5
50°-60°	7.6	2.5
60°-70°	4.7	1.6
70°-80°	2.5	0.8
80°-90°	0.5	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°	243.6	80.9
0°-40°	272.1	90.4
0°-60°	293.3	97.5
0°-90°	301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	301.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	821	821	823	823	824	72
15°	390	392	394	400	402	108
25°	129	129	131	133	133	61
35°	42	43	44	44	44	28
45°	17	17	17	17	17	13
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	910.2	910.2	910.2	910.2	910.2
1°	909.4	907.1	906.3	906.0	905.2
2°	897.8	895.9	895.5	895.5	895.1
3°	881.6	878.1	878.5	877.4	876.2
4°	854.2	852.6	853.4	854.2	852.6
5°	821.3	820.9	822.9	822.9	824.0
6°	787.3	786.9	785.8	788.8	790.4
7°	744.0	746.3	749.4	747.9	749.0
8°	704.6	701.9	703.0	706.9	707.3
9°	658.2	656.3	661.3	662.8	663.2
10°	613.0	614.9	614.5	619.9	617.6
12.5°	495.1	498.2	501.7	504.0	506.3
15°	390.0	391.9	394.2	399.6	402.0
17.5°	299.9	302.2	304.6	309.2	310.0
20°	228.4	229.6	231.1	235.4	234.2
22.5°	170.8	172.8	174.3	176.2	177.4
25°	128.7	128.7	131.4	132.6	133.3
27.5°	95.9	96.6	98.6	100.1	99.7
30°	72.3	73.4	74.6	75.4	75.8
32.5°	55.7	55.7	56.8	58.0	58.4
35°	42.1	42.9	43.7	44.4	44.4
37.5°	32.9	33.2	34.0	34.4	34.4
40°	25.9	25.9	26.7	27.1	27.1
42.5°	20.5	20.9	21.3	21.6	21.6
45°	16.6	16.6	17.0	17.4	17.4
47.5°	13.5	13.5	13.9	14.3	14.3
50°	11.2	11.6	11.6	12.0	12.0
52.5°	9.7	9.7	9.7	10.0	10.0
55°	8.1	8.1	8.5	8.5	8.5
57.5°	7.0	7.0	7.0	7.3	7.3
60°	6.2	6.2	6.2	6.2	6.2
62.5°	5.4	5.4	5.4	5.4	5.4
65°	4.6	4.6	4.6	4.6	4.6
67.5°	3.9	3.9	3.9	4.3	4.3
70°	3.1	3.5	3.5	3.5	3.5
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.3	2.3	2.3	2.3	2.3
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.2	1.5	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)