

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: P1317231

Luminaire Tested: LDSQA3D05R459827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

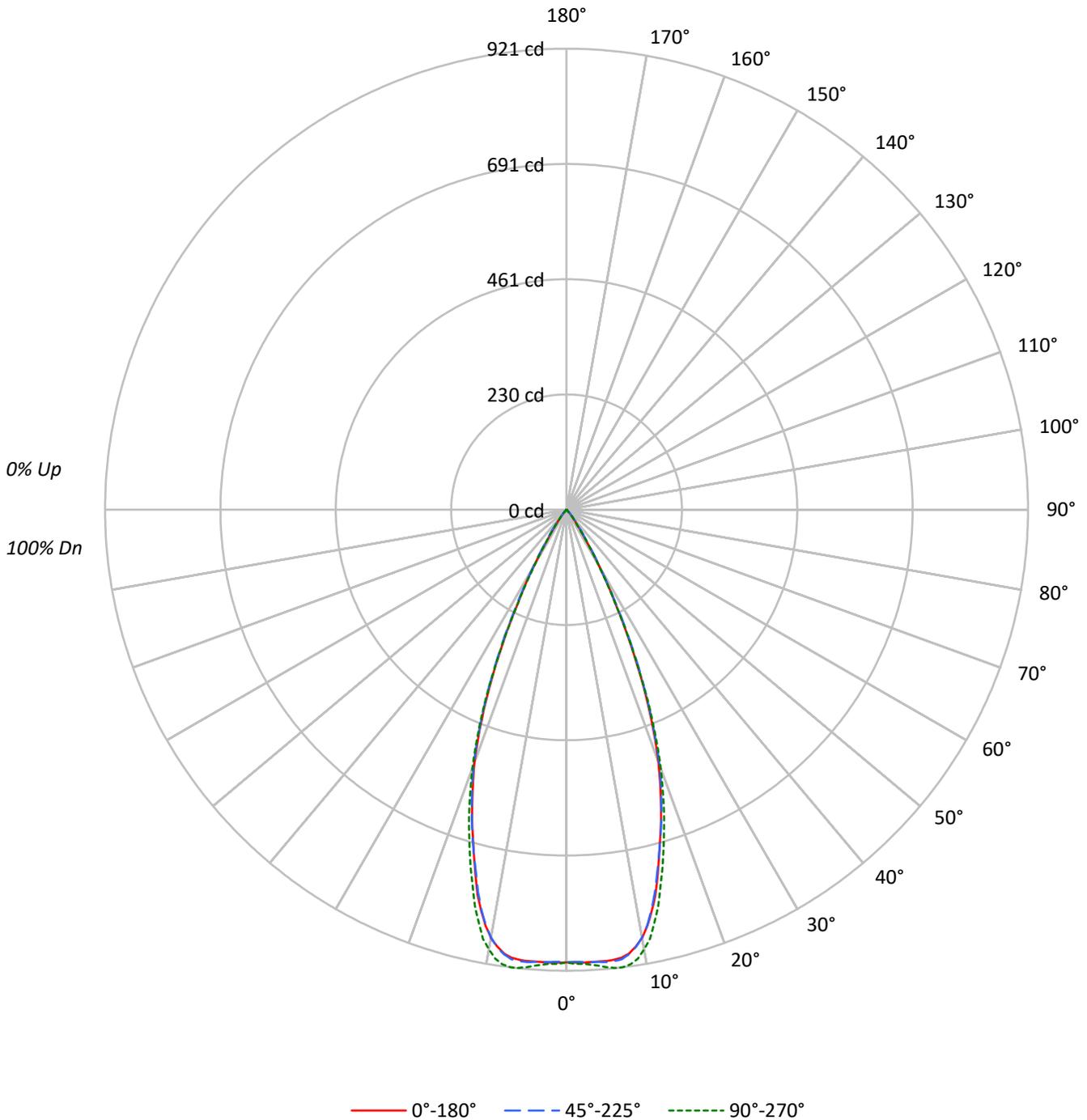
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 467.9 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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 (A<sub>in</sub>): 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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	155724	155724	155724
5°	156509	156803	158583
10°	151865	151743	155957
15°	127269	127216	131887
20°	98382	99390	100783
25°	60314	61569	60447
30°	25872	27026	25037
35°	8115	9797	7905
40°	2788	3575	2720
45°	511	1510	414
50°	268	563	268
55°	300	300	300
60°	241	241	241
65°	285	285	285
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1510 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.9	18.4
10°-20°	198.6	42.4
20°-30°	145.4	31.1
30°-40°	32.1	6.9
40°-50°	3.9	0.8
50°-60°	0.9	0.2
60°-70°	0.7	0.1
70°-80°	0.3	0.1
80°-90°	0.0	0.0
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°	429.9	91.9
0°-40°	462.1	98.7
0°-60°	466.9	99.8
0°-90°	467.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	905	905	907	914	917	85
15°	714	710	714	731	740	197
25°	317	317	324	322	318	144
35°	39	41	47	41	38	30
45°	2	3	6	3	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	904.2	904.2	904.2	904.2	904.2
1°	904.9	903.5	903.2	905.6	907.3
2°	905.6	903.9	904.2	906.7	907.7
3°	904.9	903.2	904.9	908.4	909.8
4°	904.6	903.9	905.6	910.4	912.9
5°	905.3	904.6	907.0	913.6	917.3
6°	904.2	903.2	906.7	914.9	920.5
7°	901.8	900.8	904.6	914.6	920.8
8°	895.3	893.2	897.0	909.4	917.0
9°	883.5	880.8	884.6	899.1	908.0
10°	868.4	865.3	867.7	881.8	891.8
11°	846.6	842.5	845.2	860.4	873.5
12°	819.0	813.2	816.6	833.9	843.2
13°	789.0	783.5	784.2	799.7	812.8
14°	751.8	744.5	747.6	763.8	774.2
15°	713.8	710.0	713.5	730.7	739.7
17.5°	626.9	626.5	629.6	642.4	647.2
20°	536.8	537.9	542.3	549.2	549.9
22.5°	430.2	430.6	435.4	440.2	439.2
25°	317.4	317.1	324.0	321.5	318.1
27.5°	210.4	211.8	218.0	213.6	210.1
30°	130.1	132.8	135.9	130.4	125.9
32.5°	70.4	74.9	79.3	74.5	70.0
35°	38.6	40.7	46.6	40.7	37.6
37.5°	22.4	23.5	27.3	23.5	21.4
40°	12.4	14.1	15.9	14.1	12.1
42.5°	5.2	7.9	9.7	7.9	5.2
45°	2.1	3.4	6.2	3.4	1.7
47.5°	1.0	1.4	3.8	1.4	1.0
50°	1.0	1.0	2.1	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	0.7	0.7	0.7	1.0	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.3	0.3	0.3	0.7	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)