

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: P1318150

Luminaire Tested: LDSQA3D05R709830DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

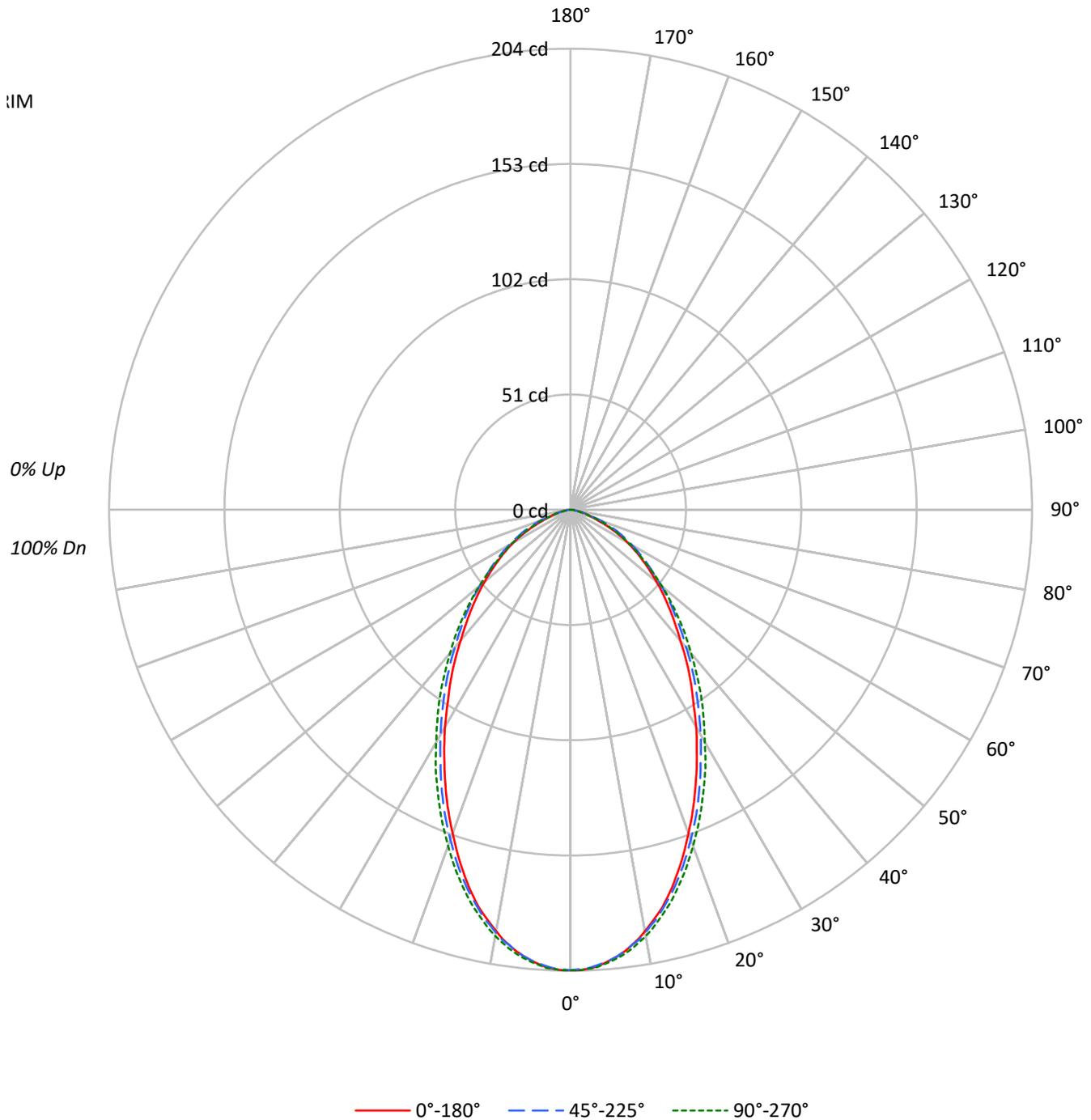
Test Method: LM-79-2019  
Report Number: P1318150  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709830DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 306.0 lumens  
Efficiency: N/A  
Efficacy: 42.5 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
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			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	100			100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78			78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68			68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61			61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54			54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44			44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40			40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37			37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34			34

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

	0°	45°	90°
0°	35099	35099	35099
5°	34593	34593	34714
10°	33122	33245	33507
15°	30863	31131	31523
20°	27931	28463	29013
25°	24951	25654	26357
30°	22074	22870	23605
35°	19448	20289	21151
40°	16974	17873	18615
45°	15052	15856	16392
50°	13289	13986	14174
55°	11650	12341	11980
60°	10058	10816	10333
65°	7987	9332	8436
70°	5791	7251	6345
75°	4458	4658	3926
80°	2975	2975	2182
85°	1383	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 16392 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.8	6.1
10°-20°	48.8	15.9
20°-30°	62.0	20.3
30°-40°	60.3	19.7
40°-50°	50.1	16.4
50°-60°	36.1	11.8
60°-70°	21.3	7.0
70°-80°	7.5	2.5
80°-90°	1.1	0.4
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°	129.5	42.3
0°-40°	189.8	62.0
0°-60°	276.1	90.2
0°-90°	306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	204	204	204	204	204	
5°	200	200	200	200	201	19
15°	173	173	175	176	177	48
25°	131	133	135	138	139	60
35°	92	94	96	99	101	58
45°	62	63	65	67	67	48
55°	39	40	41	41	40	35
65°	20	21	23	22	21	20
75°	7	7	7	6	6	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°	203.8	203.8	203.8	203.8	203.8
1°	203.8	203.4	203.4	203.4	203.8
2°	203.4	203.1	203.1	203.1	203.4
3°	202.7	202.3	202.3	202.3	203.1
4°	201.6	200.8	201.2	201.2	201.9
5°	200.1	199.7	200.1	200.1	200.8
6°	198.6	198.2	198.6	198.6	199.4
7°	196.8	196.4	196.8	197.1	197.9
8°	194.5	194.2	194.5	194.9	196.0
9°	192.3	192.0	192.7	193.1	193.8
10°	189.4	189.4	190.1	190.5	191.6
11°	186.4	186.4	187.1	187.9	189.0
12°	183.5	183.5	184.6	185.3	186.0
13°	180.5	180.1	181.2	182.0	183.1
14°	176.8	176.4	177.9	179.0	180.1
15°	173.1	173.1	174.6	175.7	176.8
17.5°	163.1	163.5	165.3	166.8	167.9
20°	152.4	153.5	155.3	157.2	158.3
22.5°	142.0	142.8	145.4	147.6	148.7
25°	131.3	132.8	135.0	137.6	138.7
27.5°	120.9	122.4	124.6	127.2	129.1
30°	111.0	112.1	115.0	117.6	118.7
32.5°	101.0	102.5	105.4	108.0	109.5
35°	92.5	93.6	96.5	99.1	100.6
37.5°	84.0	85.1	88.0	90.2	91.4
40°	75.5	77.3	79.5	81.7	82.8
42.5°	68.4	69.9	72.1	74.0	75.1
45°	61.8	62.9	65.1	66.6	67.3
47.5°	55.5	56.6	58.8	59.5	59.9
50°	49.6	50.7	52.2	52.5	52.9
52.5°	44.0	44.8	46.2	46.2	45.9
55°	38.8	39.9	41.1	40.7	39.9
57.5°	34.0	34.4	36.2	35.5	34.8
60°	29.2	30.0	31.4	30.7	30.0
62.5°	24.4	25.2	27.0	26.3	25.2
65°	19.6	21.1	22.9	21.8	20.7
67.5°	14.8	16.6	18.5	17.4	16.6
70°	11.5	12.9	14.4	13.3	12.6
72.5°	8.9	9.6	10.4	9.6	8.9
75°	6.7	7.0	7.0	6.3	5.9
77.5°	4.8	5.2	4.4	3.7	3.7
80°	3.0	3.3	3.0	2.2	2.2
82.5°	1.5	1.8	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.4	0.4	0.4	0.4	0.4



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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)