

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: P1316242

Luminaire Tested: LDSQA3D05R209740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

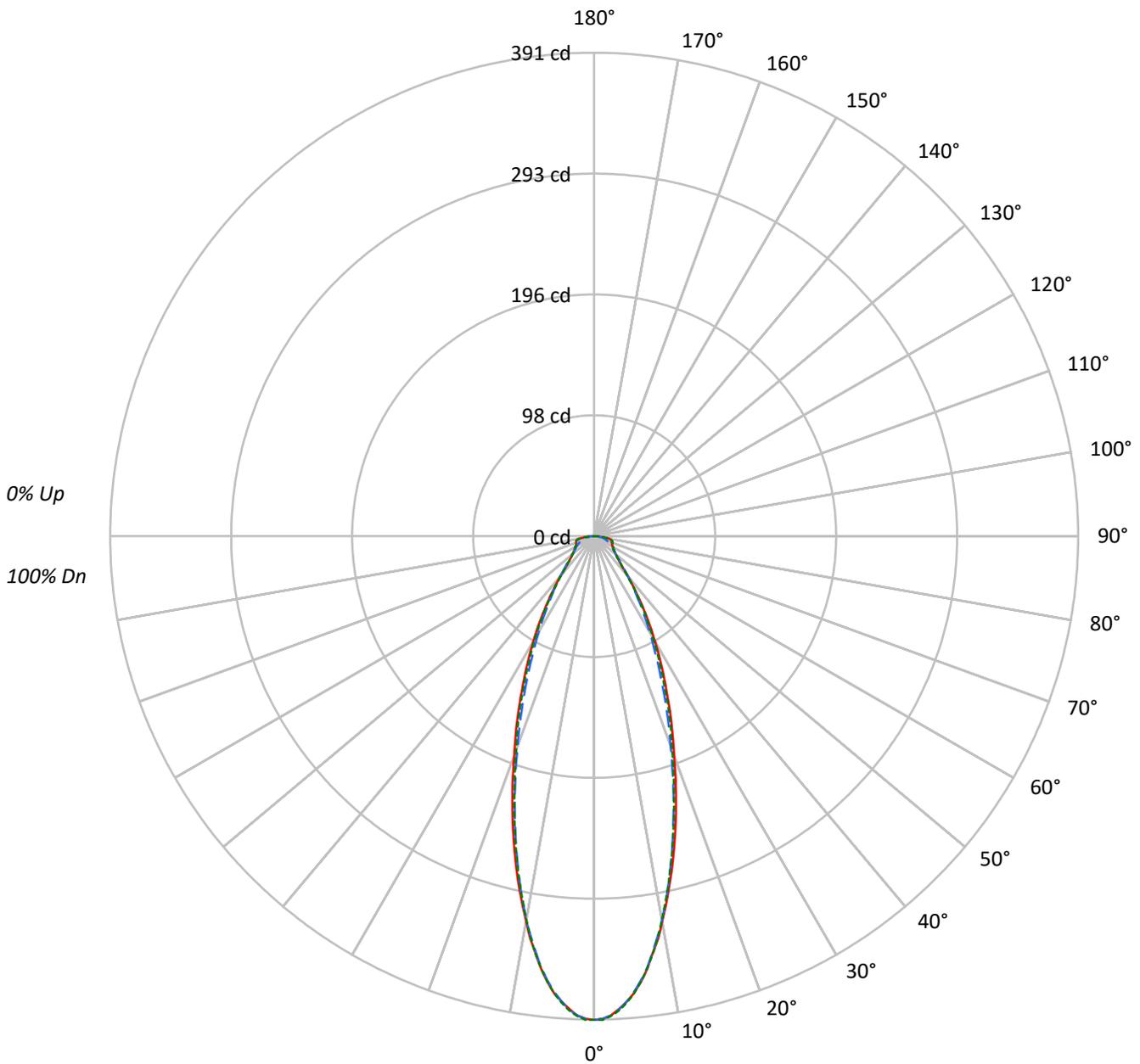
Test Method: LM-79-2019  
Report Number: P1316242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209740DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 276.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	67408	67408	67408
5°	64139	63966	64139
10°	55367	55192	55105
15°	44931	43897	44075
20°	34621	33100	33723
25°	26300	24361	25559
30°	19509	17759	18932
35°	13792	12867	13582
40°	9487	9487	9285
45°	6966	7331	6966
50°	6109	6109	6109
55°	5825	5675	5825
60°	6028	5511	6028
65°	6520	5542	6520
70°	7805	5640	7805
75°	10048	6122	10048
80°	12497	6248	12001
85°	9683	5730	10473

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 12497 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	12.2
10°-20°	68.6	24.8
20°-30°	61.2	22.2
30°-40°	40.2	14.6
40°-50°	23.3	8.5
50°-60°	17.3	6.3
60°-70°	14.6	5.3
70°-80°	12.1	4.4
80°-90°	5.0	1.8
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°	163.4	59.2
0°-40°	203.5	73.7
0°-60°	244.2	88.5
0°-90°	276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	391	391	391	391	391	
5°	371	370	370	370	371	34
15°	252	250	246	247	247	70
25°	138	134	128	132	134	64
35°	66	64	61	63	65	42
45°	29	29	30	29	29	23
55°	19	19	19	19	19	18
65°	16	15	14	15	16	16
75°	15	11	9	11	15	15
85°	5	5	3	5	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	391.4	391.4	391.4	391.4	391.4
1°	390.4	390.9	390.4	390.9	391.4
2°	388.0	388.5	388.0	388.0	388.5
3°	383.1	383.6	383.6	383.6	384.1
4°	377.3	377.8	377.3	377.8	378.3
5°	371.0	370.5	370.0	370.5	371.0
6°	362.2	361.7	361.3	361.7	362.2
7°	352.5	352.0	351.5	351.5	352.0
8°	340.4	340.9	339.4	340.4	340.9
9°	329.7	328.7	327.8	327.8	328.7
10°	316.6	315.6	315.6	315.1	315.1
12.5°	284.5	282.6	281.1	281.1	281.6
15°	252.0	249.6	246.2	246.7	247.2
17.5°	219.5	216.6	212.2	213.2	214.1
20°	188.9	186.0	180.6	182.6	184.0
22.5°	162.7	158.3	153.4	154.9	159.8
25°	138.4	134.5	128.2	131.6	134.5
27.5°	117.0	112.7	107.3	110.7	113.6
30°	98.1	94.2	89.3	92.3	95.2
32.5°	81.1	77.7	74.3	76.2	78.7
35°	65.6	63.6	61.2	63.1	64.6
37.5°	52.9	52.0	51.0	52.0	51.5
40°	42.2	42.7	42.2	42.2	41.3
42.5°	33.5	35.0	35.4	34.5	33.5
45°	28.6	29.1	30.1	29.1	28.6
47.5°	25.2	25.2	25.7	25.2	24.8
50°	22.8	22.8	22.8	22.8	22.8
52.5°	20.9	20.9	20.4	20.9	20.9
55°	19.4	18.9	18.9	18.9	19.4
57.5°	18.5	18.0	17.5	18.0	18.5
60°	17.5	16.5	16.0	16.5	17.5
62.5°	16.5	15.5	15.1	15.5	16.5
65°	16.0	14.6	13.6	14.6	16.0
67.5°	15.5	13.6	12.6	13.6	16.0
70°	15.5	12.6	11.2	13.1	15.5
72.5°	15.1	12.1	10.2	12.1	15.1
75°	15.1	11.2	9.2	11.2	15.1
77.5°	14.1	10.2	7.8	10.2	14.1
80°	12.6	9.2	6.3	9.2	12.1
82.5°	9.2	7.8	4.9	7.8	9.2
85°	4.9	5.3	2.9	5.3	5.3
87.5°	0.5	1.9	1.0	2.9	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)