

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: P1310013

Luminaire Tested: LDSQA3D05R209035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

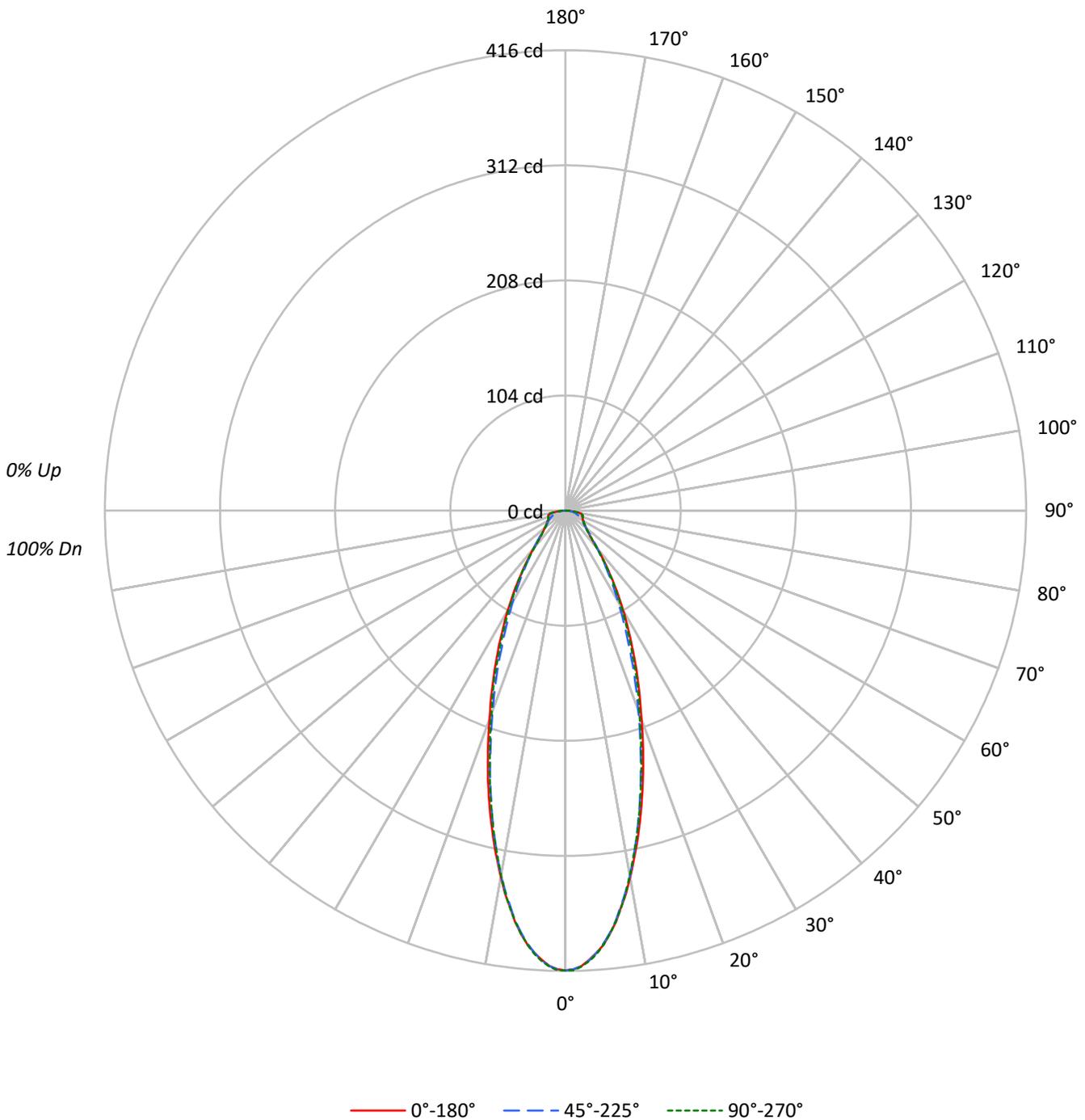
Test Method: LM-79-2019  
Report Number: P1310013  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209035DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 293.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 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 (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				
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	63	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	57	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°	71559	71559	71559
5°	68080	67907	68080
10°	58777	58602	58497
15°	47695	46589	46785
20°	36747	35152	35812
25°	27915	25863	27136
30°	20702	18852	20085
35°	14633	13645	14423
40°	10072	10072	9847
45°	7404	7794	7404
50°	6484	6484	6484
55°	6185	6035	6185
60°	6407	5856	6407
65°	6928	5868	6928
70°	8308	5992	8308
75°	10647	6521	10647
80°	13290	6645	12794
85°	10275	6126	11263

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 13290 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.6	12.2
10°-20°	72.8	24.8
20°-30°	65.0	22.2
30°-40°	42.6	14.6
40°-50°	24.8	8.5
50°-60°	18.4	6.3
60°-70°	15.5	5.3
70°-80°	12.8	4.4
80°-90°	5.4	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°	173.4	59.2
0°-40°	216.0	73.7
0°-60°	259.2	88.5
0°-90°	293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	394	393	393	393	394	36
15°	268	265	261	262	262	74
25°	147	143	136	140	143	68
35°	70	68	65	67	69	44
45°	30	31	32	31	30	24
55°	21	20	20	20	21	19
65°	17	16	14	16	17	17
75°	16	12	10	12	16	16
85°	5	6	3	6	6	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	415.5	415.5	415.5	415.5	415.5
1°	414.4	415.0	414.4	415.0	415.5
2°	411.9	412.4	411.9	411.9	412.4
3°	406.7	407.2	407.2	407.2	407.7
4°	400.5	401.0	400.5	401.0	401.6
5°	393.8	393.3	392.8	393.3	393.8
6°	384.5	384.0	383.5	384.0	384.5
7°	374.2	373.7	373.2	373.2	373.7
8°	361.3	361.9	360.3	361.3	361.9
9°	350.0	349.0	347.9	347.9	349.0
10°	336.1	335.1	335.1	334.5	334.5
12.5°	302.1	300.0	298.5	298.5	299.0
15°	267.5	265.0	261.3	261.9	262.4
17.5°	233.0	229.9	225.3	226.3	227.3
20°	200.5	197.4	191.8	193.8	195.4
22.5°	172.7	168.0	162.9	164.4	169.6
25°	146.9	142.8	136.1	139.7	142.8
27.5°	124.2	119.6	113.9	117.5	120.6
30°	104.1	100.0	94.8	97.9	101.0
32.5°	86.1	82.5	78.9	80.9	83.5
35°	69.6	67.5	64.9	67.0	68.6
37.5°	56.2	55.2	54.1	55.2	54.6
40°	44.8	45.4	44.8	44.8	43.8
42.5°	35.6	37.1	37.6	36.6	35.6
45°	30.4	30.9	32.0	30.9	30.4
47.5°	26.8	26.8	27.3	26.8	26.3
50°	24.2	24.2	24.2	24.2	24.2
52.5°	22.2	22.2	21.6	22.2	22.2
55°	20.6	20.1	20.1	20.1	20.6
57.5°	19.6	19.1	18.6	19.1	19.6
60°	18.6	17.5	17.0	17.5	18.6
62.5°	17.5	16.5	16.0	16.5	17.5
65°	17.0	15.5	14.4	15.5	17.0
67.5°	16.5	14.4	13.4	14.4	17.0
70°	16.5	13.4	11.9	13.9	16.5
72.5°	16.0	12.9	10.8	12.9	16.0
75°	16.0	11.9	9.8	11.9	16.0
77.5°	14.9	10.8	8.2	10.8	14.9
80°	13.4	9.8	6.7	9.8	12.9
82.5°	9.8	8.2	5.2	8.2	9.8
85°	5.2	5.7	3.1	5.7	5.7
87.5°	0.5	2.1	1.0	3.1	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)