

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: P1316227

Luminaire Tested: LDSQA3D05R159740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316227  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159740DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

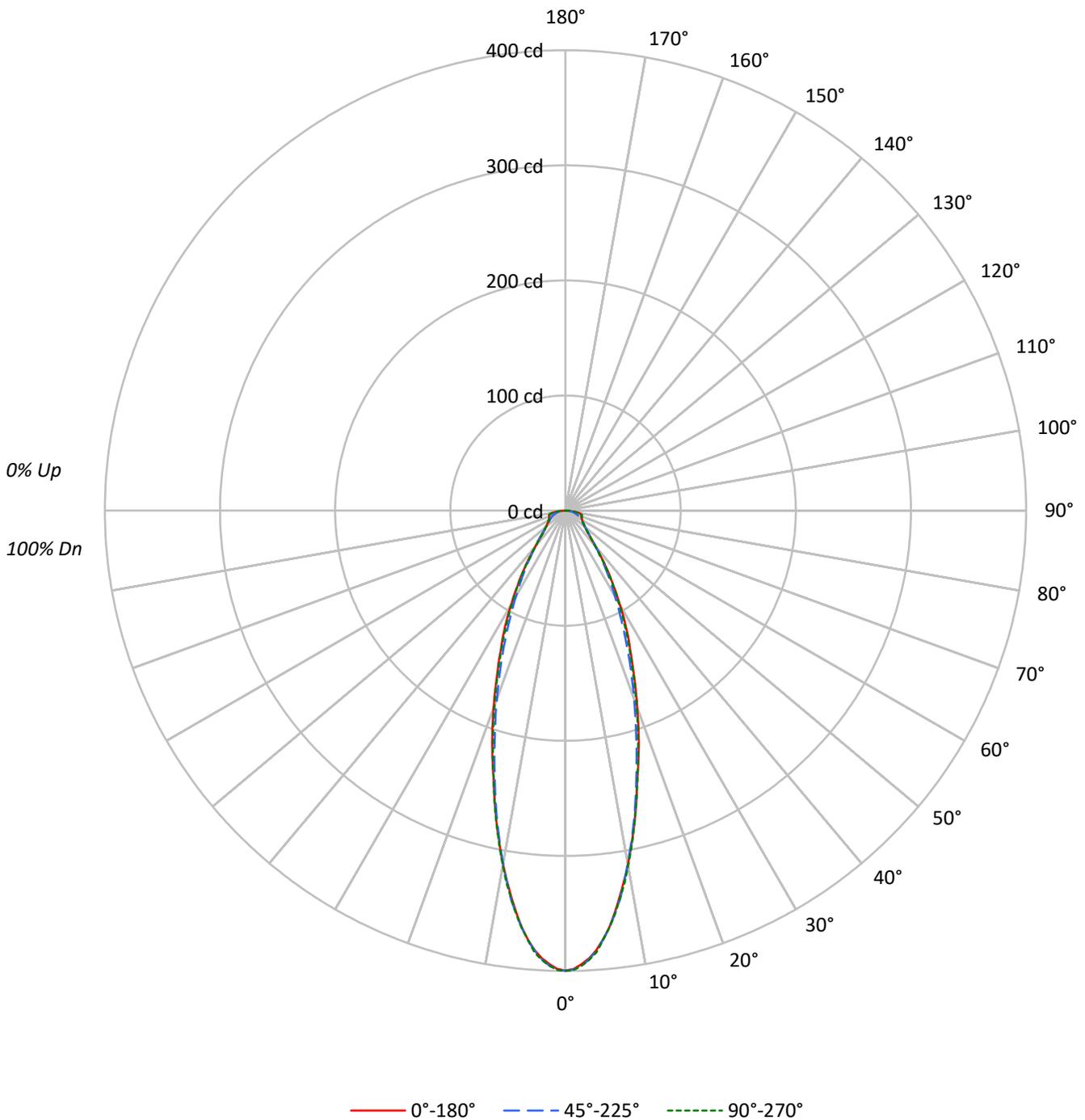
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 268.0 lumens  
Efficiency: N/A  
Efficacy: 37.2 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
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	100				100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80				80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73				73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66				66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61				61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57				57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53				53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47				47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45				45

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

	0°	45°	90°
0°	68855	68855	68855
5°	64657	64744	64744
10°	54615	54457	54790
15°	42952	42346	43041
20°	33393	31872	32935
25°	25198	23449	24836
30°	18733	17102	18355
35°	13372	12468	13182
40°	9060	9173	8948
45°	6747	7088	6747
50°	5868	5868	5868
55°	5675	5405	5675
60°	5856	5339	5683
65°	6316	5542	6316
70°	7604	5640	7604
75°	9715	5789	9715
80°	12001	6248	11604
85°	9683	5730	10473

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 12001 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.7	12.6
10°-20°	66.6	24.9
20°-30°	58.9	22.0
30°-40°	38.7	14.4
40°-50°	22.6	8.4
50°-60°	16.7	6.2
60°-70°	14.2	5.3
70°-80°	11.7	4.4
80°-90°	4.8	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
<b>0°-30°</b>	<b>159.3</b>	<b>59.4</b>
<b>0°-40°</b>	<b>198.0</b>	<b>73.9</b>
<b>0°-60°</b>	<b>237.3</b>	<b>88.5</b>
<b>0°-90°</b>	<b>268.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>268.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	400	400	400	400	400	
5°	374	374	374	375	374	34
15°	241	241	238	240	241	67
25°	133	128	123	127	131	61
35°	64	61	59	61	63	40
45°	28	28	29	28	28	22
55°	19	18	18	18	19	17
65°	16	14	14	14	16	16
75°	15	11	9	11	15	15
85°	5	5	3	5	5	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	399.8	399.8	399.8	399.8	399.8
1°	398.3	398.8	398.8	399.3	399.3
2°	394.4	395.4	395.9	395.9	395.9
3°	389.6	390.1	390.5	391.0	391.0
4°	382.8	383.3	383.3	384.2	384.7
5°	374.0	374.0	374.5	375.0	374.5
6°	363.8	363.8	364.3	364.3	364.3
7°	351.7	352.2	352.7	353.1	352.7
8°	338.6	339.1	340.5	340.5	340.0
9°	325.5	325.9	325.9	327.4	327.4
10°	312.3	312.3	311.4	312.3	313.3
12.5°	276.9	276.4	274.9	276.4	277.4
15°	240.9	240.9	237.5	240.4	241.4
17.5°	211.8	207.4	204.0	206.9	209.4
20°	182.2	177.8	173.9	176.8	179.7
22.5°	155.4	152.0	147.2	150.1	153.5
25°	132.6	128.2	123.4	126.8	130.7
27.5°	113.7	107.8	103.0	106.9	110.3
30°	94.2	90.4	86.0	88.9	92.3
32.5°	77.7	74.8	71.4	73.8	76.7
35°	63.6	61.2	59.3	60.7	62.7
37.5°	51.0	50.0	49.1	49.5	49.5
40°	40.3	40.8	40.8	40.8	39.8
42.5°	33.0	33.5	34.5	33.5	33.0
45°	27.7	28.2	29.1	28.2	27.7
47.5°	24.3	24.8	25.3	24.3	24.3
50°	21.9	21.9	21.9	21.9	21.9
52.5°	20.4	19.9	19.9	19.9	20.4
55°	18.9	18.5	18.0	18.5	18.9
57.5°	17.5	17.0	16.5	17.0	17.5
60°	17.0	16.0	15.5	16.0	16.5
62.5°	16.0	15.1	14.6	15.1	16.0
65°	15.5	14.1	13.6	14.1	15.5
67.5°	15.1	13.1	12.1	13.1	15.1
70°	15.1	12.1	11.2	12.6	15.1
72.5°	14.6	11.7	9.7	11.7	14.6
75°	14.6	10.7	8.7	11.2	14.6
77.5°	13.6	9.7	7.3	10.2	13.6
80°	12.1	8.7	6.3	9.2	11.7
82.5°	8.7	7.3	4.9	7.3	8.7
85°	4.9	5.3	2.9	4.9	5.3
87.5°	0.5	1.5	1.0	2.9	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)