

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: P1315038

Luminaire Tested: LDSQA3D20R709730D010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315038  
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: LDSQA3D20R709730D010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

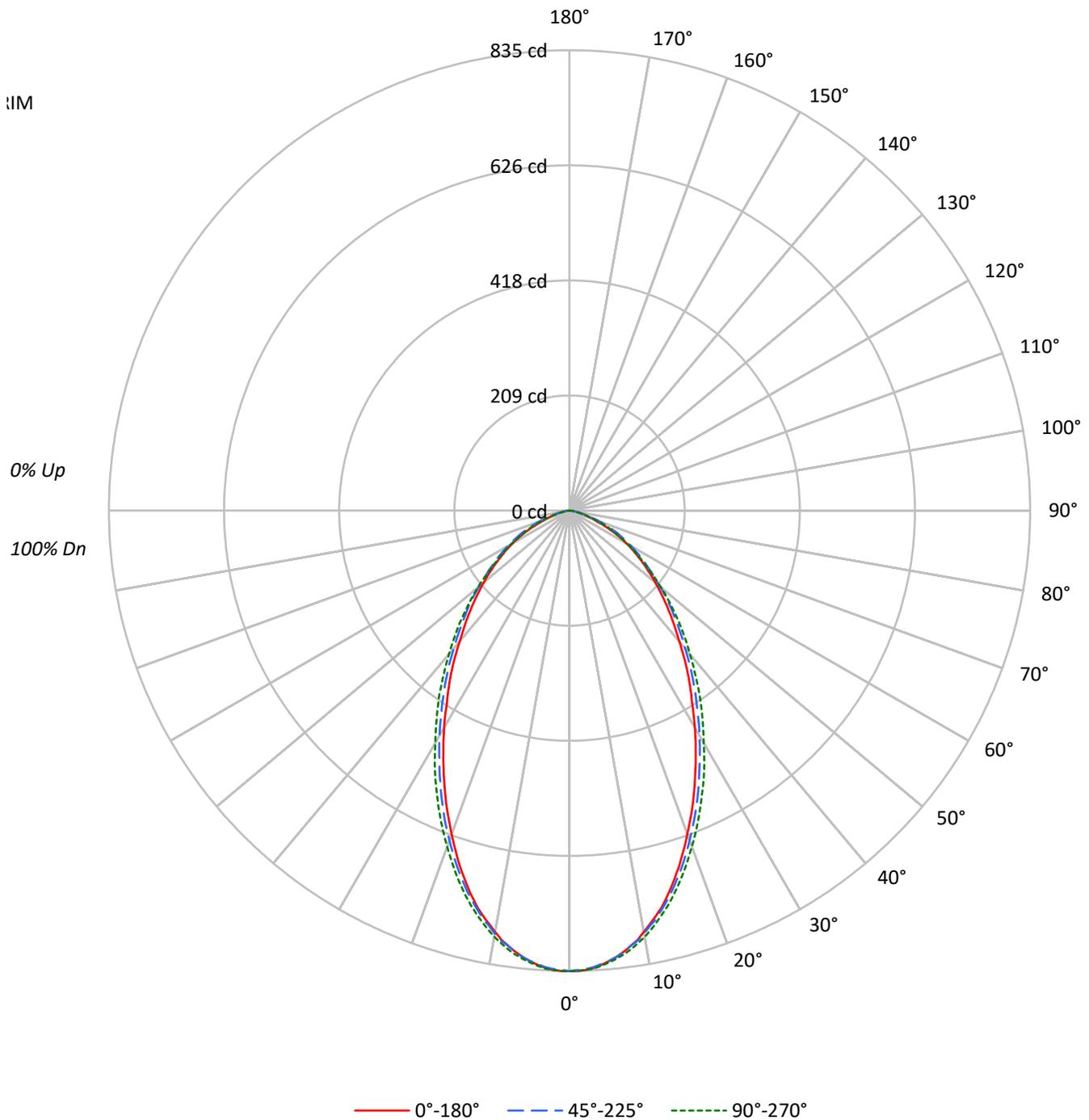
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1254.0 lumens  
Efficiency: N/A  
Efficacy: 43.5 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): 28.8  
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	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°	143823	143823	143823
5°	141762	141762	142281
10°	135706	136249	137298
15°	126467	127554	129177
20°	114456	116673	118891
25°	102253	105123	108011
30°	90424	93745	96748
35°	79662	83173	86684
40°	69515	73269	76327
45°	61645	64982	67198
50°	54417	57257	58061
55°	47772	50504	49153
60°	41230	44365	42298
65°	32723	38306	34598
70°	23667	29760	25933
75°	18166	19164	16170
80°	12001	12001	9025
85°	5928	5928	5928

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 67198 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.0	6.1
10°-20°	199.9	15.9
20°-30°	254.0	20.3
30°-40°	247.1	19.7
40°-50°	205.4	16.4
50°-60°	148.1	11.8
60°-70°	87.2	7.0
70°-80°	30.9	2.5
80°-90°	4.5	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°	530.8	42.3
0°-40°	777.9	62.0
0°-60°	1131.4	90.2
0°-90°	1254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1254.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	835	835	835	835	835	
5°	820	818	820	820	823	77
15°	709	709	715	720	724	198
25°	538	544	553	564	568	247
35°	379	384	396	406	412	237
45°	253	258	267	273	276	196
55°	159	164	168	167	164	143
65°	80	86	94	89	85	80
75°	27	29	29	26	24	30
85°	3	3	3	3	3	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	835.1	835.1	835.1	835.1	835.1
1°	835.1	833.6	833.6	833.6	835.1
2°	833.6	832.1	832.1	832.1	833.6
3°	830.6	829.1	829.1	829.1	832.1
4°	826.1	823.0	824.5	824.5	827.6
5°	820.0	818.5	820.0	820.0	823.0
6°	813.9	812.4	813.9	813.9	817.0
7°	806.4	804.8	806.4	807.9	810.9
8°	797.3	795.7	797.3	798.8	803.3
9°	788.2	786.6	789.7	791.2	794.2
10°	776.0	776.0	779.1	780.6	785.1
11°	763.9	763.9	766.9	770.0	774.5
12°	751.8	751.8	756.3	759.4	762.4
13°	739.7	738.1	742.7	745.7	750.3
14°	724.5	723.0	729.1	733.6	738.1
15°	709.3	709.3	715.4	720.0	724.5
17.5°	668.4	669.9	677.5	683.6	688.1
20°	624.5	629.0	636.6	644.2	648.7
22.5°	582.0	585.1	595.7	604.8	609.3
25°	538.1	544.1	553.2	563.8	568.4
27.5°	495.6	501.7	510.8	521.4	529.0
30°	454.7	459.3	471.4	482.0	486.5
32.5°	413.8	419.8	432.0	442.6	448.6
35°	378.9	383.5	395.6	406.2	412.3
37.5°	344.1	348.6	360.7	369.8	374.4
40°	309.2	316.8	325.9	335.0	339.5
42.5°	280.4	286.5	295.6	303.1	307.7
45°	253.1	257.7	266.8	272.8	275.9
47.5°	227.4	231.9	241.0	244.0	245.5
50°	203.1	207.7	213.7	215.2	216.7
52.5°	180.4	183.4	189.5	189.5	187.9
55°	159.1	163.7	168.2	166.7	163.7
57.5°	139.4	141.0	148.5	145.5	142.5
60°	119.7	122.8	128.8	125.8	122.8
62.5°	100.0	103.1	110.6	107.6	103.1
65°	80.3	86.4	94.0	89.4	84.9
67.5°	60.6	68.2	75.8	71.2	68.2
70°	47.0	53.0	59.1	54.6	51.5
72.5°	36.4	39.4	42.4	39.4	36.4
75°	27.3	28.8	28.8	25.8	24.3
77.5°	19.7	21.2	18.2	15.2	15.2
80°	12.1	13.6	12.1	9.1	9.1
82.5°	6.1	7.6	6.1	6.1	6.1
85°	3.0	3.0	3.0	3.0	3.0
87.5°	1.5	1.5	1.5	1.5	1.5



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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)