

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: P1311724

Luminaire Tested: LDSQA3D17R709040DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709040DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

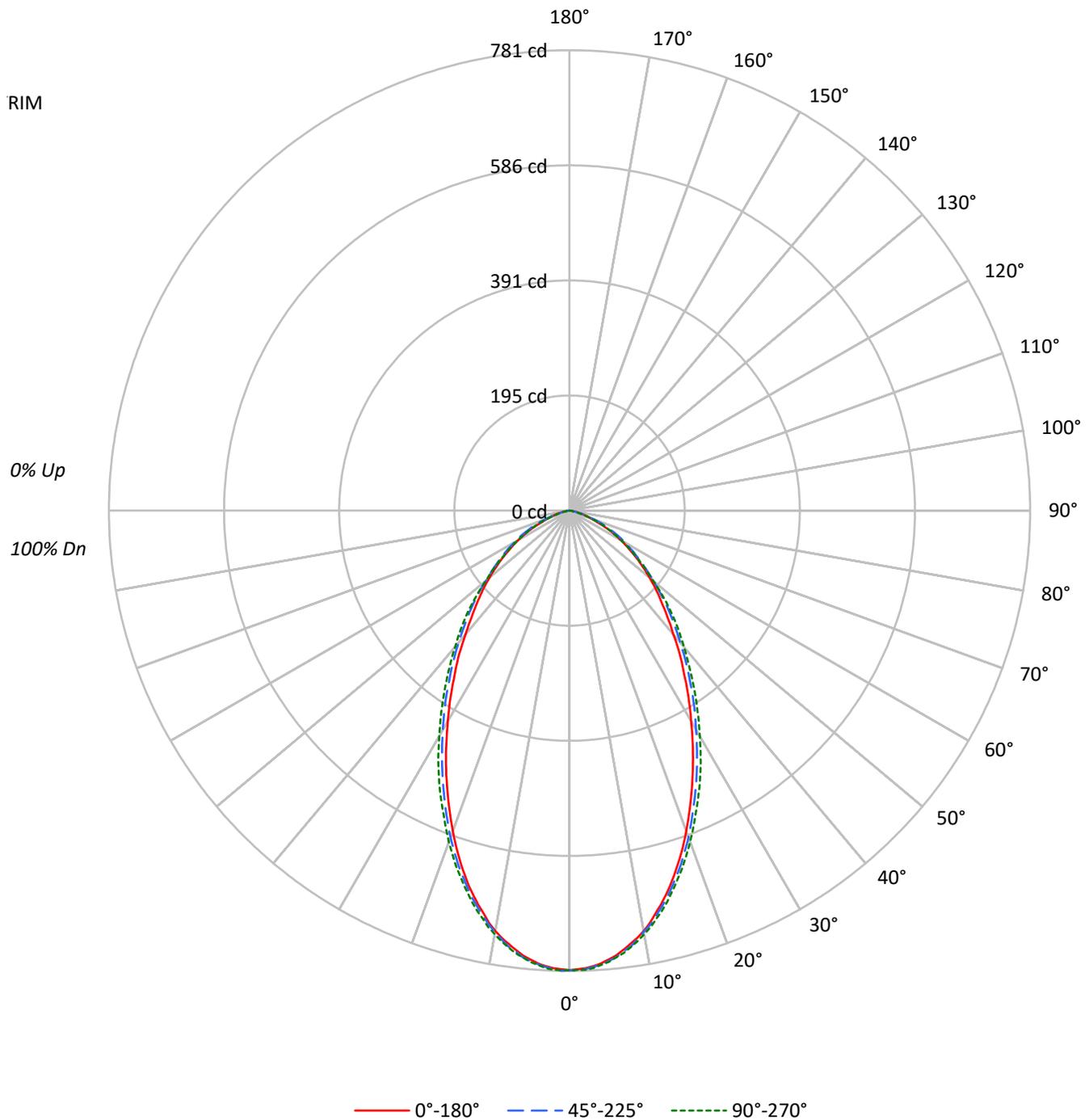
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1116.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	134265	134265	134265
5°	132133	132617	132859
10°	126648	126893	127610
15°	117516	118497	119495
20°	106080	108114	109635
25°	93930	96572	98928
30°	82052	85353	87839
35°	71315	75100	77433
40°	61646	65693	67873
45°	53948	57675	59355
50°	47477	49701	49701
55°	41166	43238	41976
60°	34823	37200	35306
65°	27100	31053	28200
70°	19538	23012	19538
75°	14772	13841	11046
80°	9620	6843	2777
85°	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 59355 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	6.4
10°-20°	185.5	16.6
20°-30°	232.9	20.9
30°-40°	222.4	19.9
40°-50°	180.8	16.2
50°-60°	126.6	11.3
60°-70°	71.5	6.4
70°-80°	22.6	2.0
80°-90°	1.8	0.2
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°	490.3	43.9
0°-40°	712.7	63.9
0°-60°	1020.1	91.4
0°-90°	1116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	764	766	767	766	768	72
15°	659	660	665	666	670	184
25°	494	500	508	516	521	227
35°	339	345	357	364	368	213
45°	222	227	237	241	244	172
55°	137	138	144	141	140	123
65°	66	71	76	72	69	67
75°	22	22	21	18	17	24
85°	1	1	0	0	0	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.6	779.6	779.6	779.6	779.6
1°	778.2	779.6	780.9	778.2	779.6
2°	776.8	778.2	778.2	776.8	779.6
3°	774.0	775.4	775.4	774.0	776.8
4°	769.9	771.2	771.2	769.9	772.6
5°	764.3	765.7	767.1	765.7	768.5
6°	758.8	760.2	761.6	760.2	761.6
7°	750.5	753.2	753.2	753.2	756.0
8°	742.2	744.9	746.3	744.9	747.7
9°	733.9	735.2	736.6	736.6	739.4
10°	724.2	725.6	725.6	726.9	729.7
11°	713.1	713.1	715.9	715.9	720.0
12°	699.2	700.6	703.4	704.8	707.6
13°	686.8	688.2	690.9	692.3	696.5
14°	672.9	675.7	678.5	679.9	684.0
15°	659.1	660.5	664.6	666.0	670.2
17.5°	620.3	621.7	628.6	631.4	635.6
20°	578.8	582.9	589.9	594.0	598.2
22.5°	535.9	540.0	548.3	555.2	558.0
25°	494.3	499.9	508.2	516.5	520.6
27.5°	452.8	458.3	468.0	476.3	481.9
30°	412.6	418.2	429.2	436.2	441.7
32.5°	375.2	380.8	393.2	400.2	404.3
35°	339.2	344.8	357.2	364.2	368.3
37.5°	307.4	312.9	324.0	330.9	333.7
40°	274.2	281.1	292.2	299.1	301.9
42.5°	246.5	252.0	263.1	268.6	272.8
45°	221.5	227.1	236.8	240.9	243.7
47.5°	199.4	202.2	210.5	211.9	214.6
50°	177.2	180.0	185.5	186.9	185.5
52.5°	156.5	159.2	163.4	162.0	162.0
55°	137.1	138.5	144.0	141.2	139.8
57.5°	117.7	120.5	126.0	121.8	120.5
60°	101.1	103.8	108.0	105.2	102.5
62.5°	84.5	85.8	92.8	87.2	84.5
65°	66.5	70.6	76.2	72.0	69.2
67.5°	49.8	56.8	62.3	56.8	54.0
70°	38.8	41.5	45.7	42.9	38.8
72.5°	29.1	30.5	31.8	29.1	26.3
75°	22.2	22.2	20.8	18.0	16.6
77.5°	15.2	15.2	12.5	8.3	8.3
80°	9.7	9.7	6.9	2.8	2.8
82.5°	4.2	4.2	2.8	1.4	1.4
85°	1.4	1.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)