

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: P1311168

Luminaire Tested: LDSQA3D05R359040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

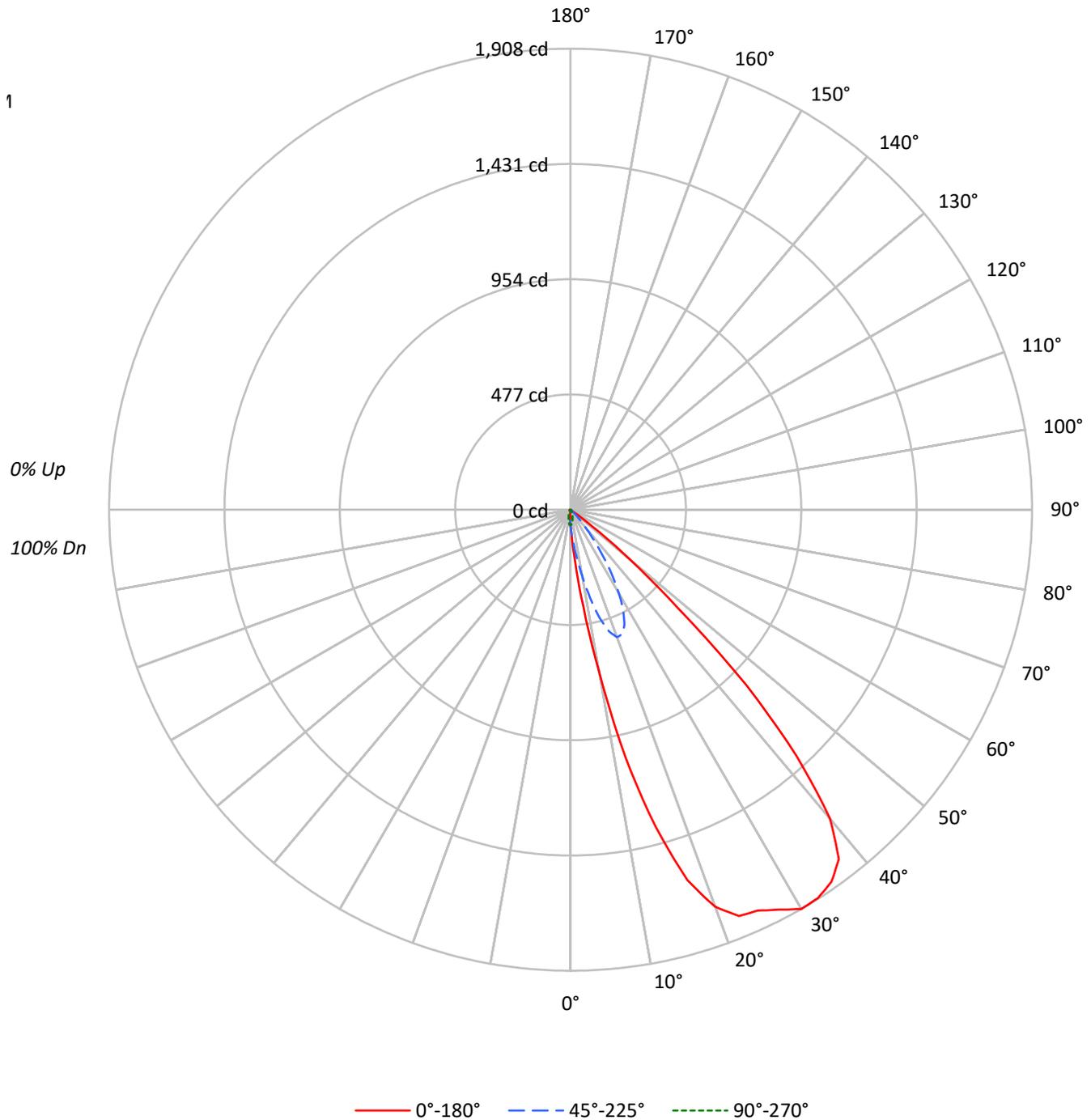
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 600.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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





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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10850	10850	10850	10850	10850
5°	36962	24030	10148	4287	3164
10°	118953	48704	8009	1609	1032
15°	242378	82588	5670	571	392
20°	320512	102854	3647	202	202
25°	347787	99992	2052	95	209
30°	379376	79685	855	99	219
35°	395303	49597	231	105	231
40°	375136	21673	112	247	360
45°	250428	8646	122	390	658
50°	83996	1447	295	589	857
55°	4684	150	330	811	1141
60°	379	172	551	930	1309
65°	448	204	652	1100	1549
70°	252	252	806	1360	1611
75°	333	333	1065	1464	1797
80°	0	496	1587	1587	1587
85°	0	988	3162	988	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 250428 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	1.8
10°-20°	86.2	14.4
20°-30°	181.9	30.3
30°-40°	206.4	34.4
40°-50°	101.6	16.9
50°-60°	8.8	1.5
60°-70°	1.8	0.3
70°-80°	1.7	0.3
80°-90°	0.8	0.1
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°	279.0	46.5
0°-40°	485.4	80.9
0°-60°	595.7	99.3
0°-90°	600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	600.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	63	63	63	63	63	
5°	214	139	59	25	18	35
15°	1359	463	32	3	2	386
25°	1830	526	11	0	1	852
35°	1880	236	1	0	1	1159
45°	1028	36	0	2	3	760
55°	16	0	1	3	4	61
65°	1	0	2	3	4	1
75°	0	0	2	2	3	0
85°	0	0	2	0	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
2.5°	109.3	112.0	111.0	110.4	109.9	107.7	102.9	102.3	97.5	94.3	78.1
5°	213.8	209.5	210.6	204.7	197.1	186.4	179.4	164.3	151.9	139.0	91.0
7.5°	402.9	396.9	385.6	368.4	350.6	327.5	292.5	264.5	232.1	201.4	101.3
10°	680.2	677.0	662.5	618.3	579.5	517.6	459.4	398.0	337.7	278.5	108.3
12.5°	1050.8	1028.7	1002.3	943.6	867.1	789.6	674.9	568.8	472.4	373.2	108.8
15°	1359.4	1345.4	1308.3	1231.8	1139.7	1027.6	891.4	748.7	603.2	463.2	103.4
17.5°	1607.7	1586.2	1538.2	1463.4	1357.3	1211.8	1052.4	878.5	701.3	527.3	94.3
20°	1748.8	1737.5	1700.9	1626.0	1510.2	1351.3	1169.8	967.3	762.7	561.2	82.4
22.5°	1819.9	1811.8	1784.9	1725.1	1616.9	1456.9	1249.0	1013.6	780.4	557.4	70.0
25°	1830.2	1828.0	1804.8	1759.6	1669.1	1510.8	1283.5	1022.3	765.9	526.2	58.2
27.5°	1865.7	1858.2	1830.7	1785.5	1694.4	1519.9	1271.6	992.6	719.0	471.3	48.5
30°	1907.7	1902.3	1874.9	1828.0	1720.3	1511.3	1229.6	926.9	644.2	400.7	36.1
32.5°	1904.5	1902.3	1879.2	1829.6	1702.0	1460.7	1154.8	828.4	542.4	316.2	22.6
35°	1880.2	1872.7	1843.6	1767.1	1597.5	1330.3	1012.6	694.8	429.3	235.9	14.5
37.5°	1822.1	1805.9	1756.9	1627.1	1410.6	1129.4	824.6	536.4	303.8	157.8	9.2
40°	1668.6	1648.1	1549.5	1392.8	1166.1	889.8	613.5	368.9	200.4	96.4	3.8
42.5°	1384.2	1342.7	1244.2	1083.1	870.4	629.1	402.9	239.1	118.0	58.2	1.1
45°	1028.2	996.4	893.0	747.0	570.4	403.4	244.0	129.3	65.2	35.5	0.5
47.5°	598.9	579.5	526.2	430.3	315.1	211.7	125.0	69.5	38.2	17.2	0.5
50°	313.5	289.2	248.8	188.5	139.0	97.5	60.9	37.2	18.9	5.4	0.5
52.5°	109.9	108.3	98.6	74.3	60.3	43.6	29.6	16.2	5.4	1.1	0.5
55°	15.6	15.6	14.5	16.2	17.2	15.6	10.2	4.3	1.1	0.5	0.5
57.5°	1.1	1.1	1.1	1.6	2.2	2.2	1.6	0.5	0.5	0.5	1.1
60°	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
62.5°	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
65°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	63.0	63.0	63.0	63.0	63.0
2.5°	62.5	50.1	39.9	35.0	33.4
5°	58.7	37.7	24.8	19.4	18.3
7.5°	52.2	26.9	15.1	10.8	10.2
10°	45.8	19.4	9.2	6.5	5.9
12.5°	38.2	13.5	5.9	3.8	3.2
15°	31.8	9.2	3.2	2.7	2.2
17.5°	25.3	5.9	2.2	1.6	2.2
20°	19.9	3.8	1.1	1.1	1.1
22.5°	15.1	2.2	1.1	1.1	1.1
25°	10.8	1.1	0.5	0.5	1.1
27.5°	7.5	0.5	0.5	0.5	1.1
30°	4.3	0.5	0.5	0.5	1.1
32.5°	2.2	0.5	0.5	1.1	1.1
35°	1.1	0.5	0.5	1.1	1.1
37.5°	0.5	0.5	0.5	1.1	1.6
40°	0.5	0.5	1.1	1.6	1.6
42.5°	0.5	0.5	1.1	1.6	2.2
45°	0.5	1.1	1.6	2.2	2.7
47.5°	1.1	1.1	2.2	2.7	3.2
50°	1.1	1.6	2.2	3.2	3.2
52.5°	1.1	1.6	2.7	3.2	3.8
55°	1.1	2.2	2.7	3.8	3.8
57.5°	1.6	2.2	2.7	3.8	3.8
60°	1.6	2.2	2.7	3.8	3.8
62.5°	1.6	2.2	2.7	3.8	3.8
65°	1.6	2.2	2.7	3.8	3.8
67.5°	1.6	2.2	2.7	3.2	3.8
70°	1.6	2.2	2.7	3.2	3.2
72.5°	2.2	2.2	2.7	3.2	3.2
75°	1.6	2.2	2.2	2.7	2.7
77.5°	1.6	1.6	1.6	2.2	2.2
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.1	1.1	1.6	1.6
85°	1.6	1.1	0.5	1.1	1.1
87.5°	1.1	1.1	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)