

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: P1318579

Luminaire Tested: LDSQA3D17R709830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

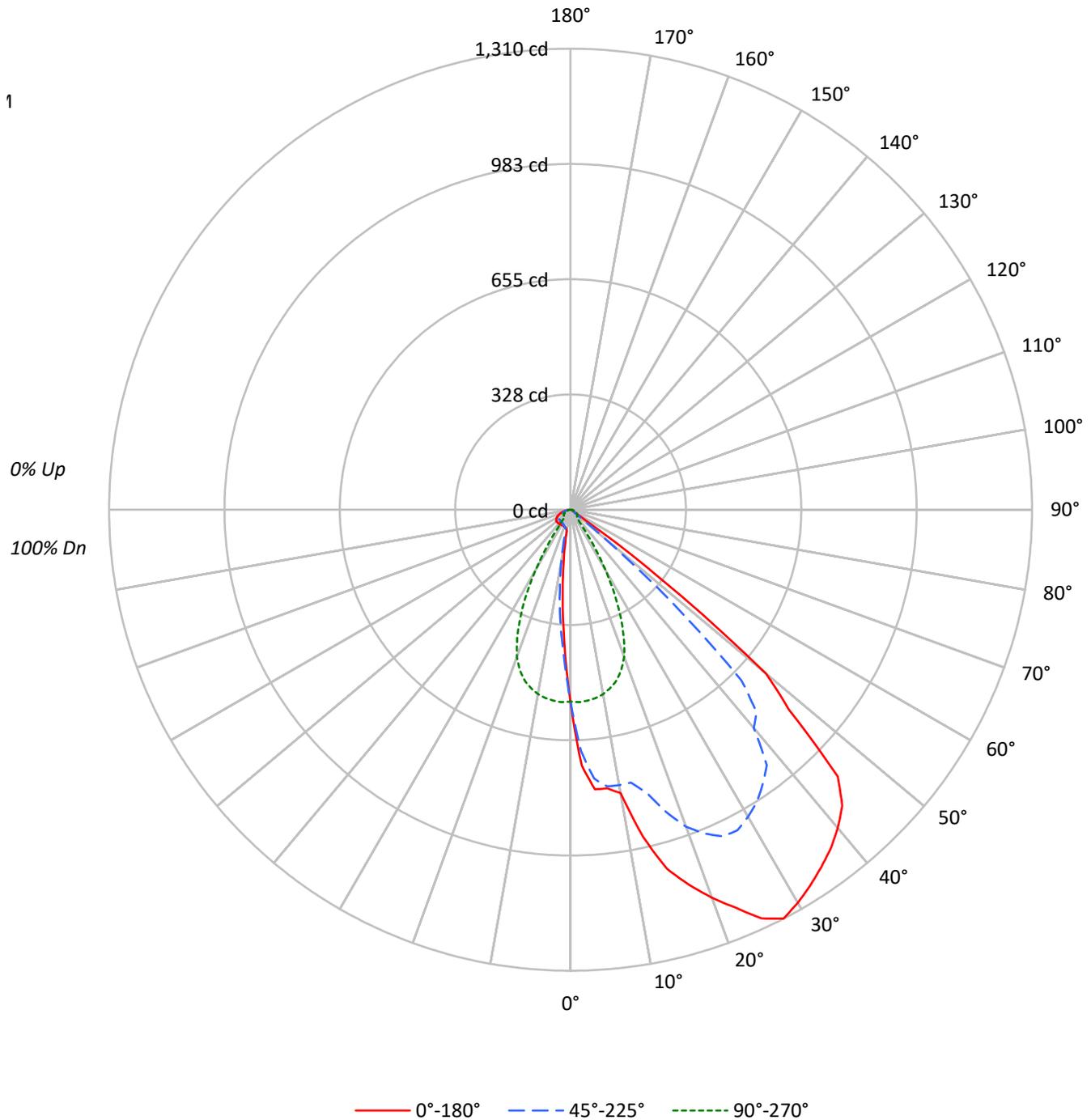
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1035.0 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71	71	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64	64	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57	57	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51	51	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46	46	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42	42	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	93844	93844	93844	93844	93844
5°	137855	132582	94203	56238	44050
10°	142946	139047	93036	26896	10878
15°	188247	148255	89613	9628	9414
20°	215019	175633	81576	9255	9475
25°	243481	194606	64058	8931	9368
30°	256437	200377	39694	8869	10043
35°	260746	200006	13077	9146	10617
40°	265356	181925	6340	9780	11623
45°	261145	167058	6576	10303	12592
50°	194143	30839	6618	11333	13852
55°	15523	4234	7056	11980	14803
60°	3238	4443	6889	12124	15362
65°	3342	4320	6683	11981	15812
70°	2971	4129	6496	11229	15358
75°	2329	3926	5456	10913	14839
80°	2281	3471	5852	10513	13984
85°	2371	4545	6916	9287	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 264287 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	4.8
10°-20°	139.5	13.5
20°-30°	234.1	22.6
30°-40°	281.6	27.2
40°-50°	223.2	21.6
50°-60°	71.4	6.9
60°-70°	19.9	1.9
70°-80°	11.9	1.1
80°-90°	3.7	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°	423.2	40.9
0°-40°	704.8	68.1
0°-60°	999.4	96.6
0°-90°	1035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1035.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	545	545	545	545	545	
5°	797	767	545	325	255	75
15°	1056	832	503	54	53	297
25°	1281	1024	337	47	49	586
35°	1240	951	62	44	50	777
45°	1072	686	27	42	52	770
55°	52	14	24	40	49	162
65°	8	11	16	29	39	8
75°	4	6	8	16	22	4
85°	1	2	4	5	6	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	727.0	731.7	731.7	725.8	728.1	718.7	711.7	701.1	698.8	685.9	669.4
5°	797.4	795.1	795.1	790.4	792.7	789.2	785.7	783.3	776.3	766.9	757.5
7.5°	798.6	800.9	802.1	800.9	805.6	802.1	802.1	802.1	797.4	792.7	783.3
10°	817.4	813.9	810.3	802.1	797.4	793.9	793.9	795.1	797.4	795.1	789.2
12.5°	952.4	939.5	933.7	913.7	898.4	872.6	843.2	820.9	800.9	793.9	789.2
15°	1055.8	1053.4	1041.7	1022.9	1004.1	973.6	939.5	905.5	869.1	831.5	804.5
17.5°	1116.9	1112.2	1100.4	1080.5	1058.1	1030.0	1002.9	977.1	941.9	899.6	856.1
20°	1173.2	1162.7	1147.4	1123.9	1101.6	1074.6	1045.2	1020.6	991.2	958.3	907.8
22.5°	1223.7	1214.3	1189.7	1158.0	1135.6	1109.8	1084.0	1060.5	1033.5	995.9	950.1
25°	1281.3	1260.1	1220.2	1179.1	1152.1	1131.0	1112.2	1093.4	1065.2	1024.1	970.1
27.5°	1309.5	1280.1	1236.6	1195.5	1169.7	1147.4	1127.4	1108.6	1076.9	1026.4	964.2
30°	1289.5	1273.1	1242.5	1210.8	1189.7	1168.5	1145.0	1116.9	1066.4	1007.6	950.1
32.5°	1266.0	1257.8	1243.7	1224.9	1212.0	1190.8	1158.0	1112.2	1041.7	984.2	921.9
35°	1240.2	1236.6	1232.0	1223.7	1215.5	1195.5	1154.4	1087.5	1017.0	951.3	891.4
37.5°	1213.2	1209.6	1213.2	1212.0	1204.9	1179.1	1116.9	1054.6	981.8	914.9	798.6
40°	1180.3	1177.9	1183.8	1189.7	1181.5	1147.4	1080.5	1005.3	940.7	809.2	769.2
42.5°	1141.5	1140.3	1150.9	1155.6	1143.9	1093.4	1014.7	959.5	823.3	781.0	687.0
45°	1072.2	1074.6	1079.3	1085.1	1078.1	1022.9	951.3	850.3	790.4	685.9	391.1
47.5°	839.7	842.0	865.5	914.9	948.9	930.1	869.1	793.9	707.0	392.3	123.3
50°	724.6	722.3	723.4	735.2	762.2	788.0	769.2	728.1	421.6	115.1	15.3
52.5°	318.3	353.5	391.1	496.8	564.9	636.5	650.6	455.7	137.4	15.3	15.3
55°	51.7	54.0	68.1	99.8	179.7	271.3	328.8	152.7	14.1	14.1	14.1
57.5°	10.6	10.6	10.6	11.7	17.6	37.6	43.5	12.9	12.9	12.9	14.1
60°	9.4	9.4	9.4	9.4	10.6	10.6	10.6	11.7	11.7	12.9	12.9
62.5°	9.4	9.4	9.4	9.4	9.4	9.4	10.6	10.6	11.7	11.7	12.9
65°	8.2	8.2	8.2	8.2	9.4	9.4	9.4	9.4	10.6	10.6	11.7
67.5°	7.0	7.0	7.0	7.0	8.2	8.2	8.2	9.4	9.4	9.4	10.6
70°	5.9	5.9	5.9	5.9	7.0	7.0	7.0	7.0	8.2	8.2	8.2
72.5°	4.7	4.7	4.7	4.7	5.9	5.9	5.9	5.9	7.0	7.0	7.0
75°	3.5	3.5	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9	5.9
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7
80°	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	3.5	3.5
82.5°	1.2	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	658.8	642.4	620.1	547.3	480.3	419.3	388.7	385.2
5°	742.2	727.0	689.4	544.9	416.9	325.3	270.1	254.8
7.5°	773.9	761.0	728.1	540.2	357.0	233.7	171.5	148.0
10°	782.2	773.9	745.7	532.0	294.8	153.8	81.0	62.2
12.5°	785.7	779.8	752.8	519.1	232.5	79.9	55.2	55.2
15°	791.5	785.7	759.8	502.6	171.5	54.0	52.8	52.8
17.5°	817.4	798.6	769.2	478.0	112.7	51.7	51.7	51.7
20°	859.7	818.6	773.9	445.1	70.5	50.5	50.5	51.7
22.5°	894.9	839.7	772.8	395.8	51.7	48.2	49.3	50.5
25°	910.2	849.1	762.2	337.1	44.6	47.0	49.3	49.3
27.5°	907.8	852.6	752.8	270.1	42.3	45.8	48.2	50.5
30°	894.9	843.2	731.7	199.6	39.9	44.6	48.2	50.5
32.5°	872.6	806.8	689.4	129.2	38.8	44.6	48.2	50.5
35°	799.8	748.1	628.3	62.2	37.6	43.5	49.3	50.5
37.5°	757.5	685.9	479.2	30.5	36.4	43.5	49.3	50.5
40°	689.4	512.0	216.1	28.2	36.4	43.5	49.3	51.7
42.5°	433.4	210.2	35.2	27.0	35.2	43.5	49.3	51.7
45°	158.5	28.2	18.8	27.0	35.2	42.3	49.3	51.7
47.5°	16.4	16.4	17.6	25.8	34.1	42.3	49.3	51.7
50°	15.3	16.4	17.6	24.7	32.9	42.3	48.2	51.7
52.5°	15.3	16.4	17.6	24.7	31.7	41.1	48.2	51.7
55°	15.3	16.4	16.4	23.5	30.5	39.9	47.0	49.3
57.5°	14.1	15.3	16.4	22.3	29.4	37.6	45.8	48.2
60°	14.1	15.3	16.4	20.0	28.2	35.2	43.5	44.6
62.5°	12.9	14.1	15.3	18.8	25.8	32.9	39.9	42.3
65°	12.9	12.9	14.1	16.4	23.5	29.4	36.4	38.8
67.5°	10.6	11.7	11.7	14.1	20.0	25.8	32.9	35.2
70°	9.4	9.4	10.6	12.9	17.6	22.3	28.2	30.5
72.5°	8.2	8.2	8.2	10.6	15.3	20.0	24.7	27.0
75°	7.0	7.0	7.0	8.2	12.9	16.4	21.1	22.3
77.5°	5.9	5.9	5.9	7.0	10.6	14.1	16.4	18.8
80°	4.7	4.7	4.7	5.9	8.2	10.6	12.9	14.1
82.5°	3.5	3.5	3.5	4.7	5.9	7.0	9.4	9.4
85°	2.3	2.3	2.3	3.5	3.5	4.7	5.9	5.9
87.5°	1.2	1.2	1.2	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)