

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: P1320172

Luminaire Tested: LDSQA3D13R609840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

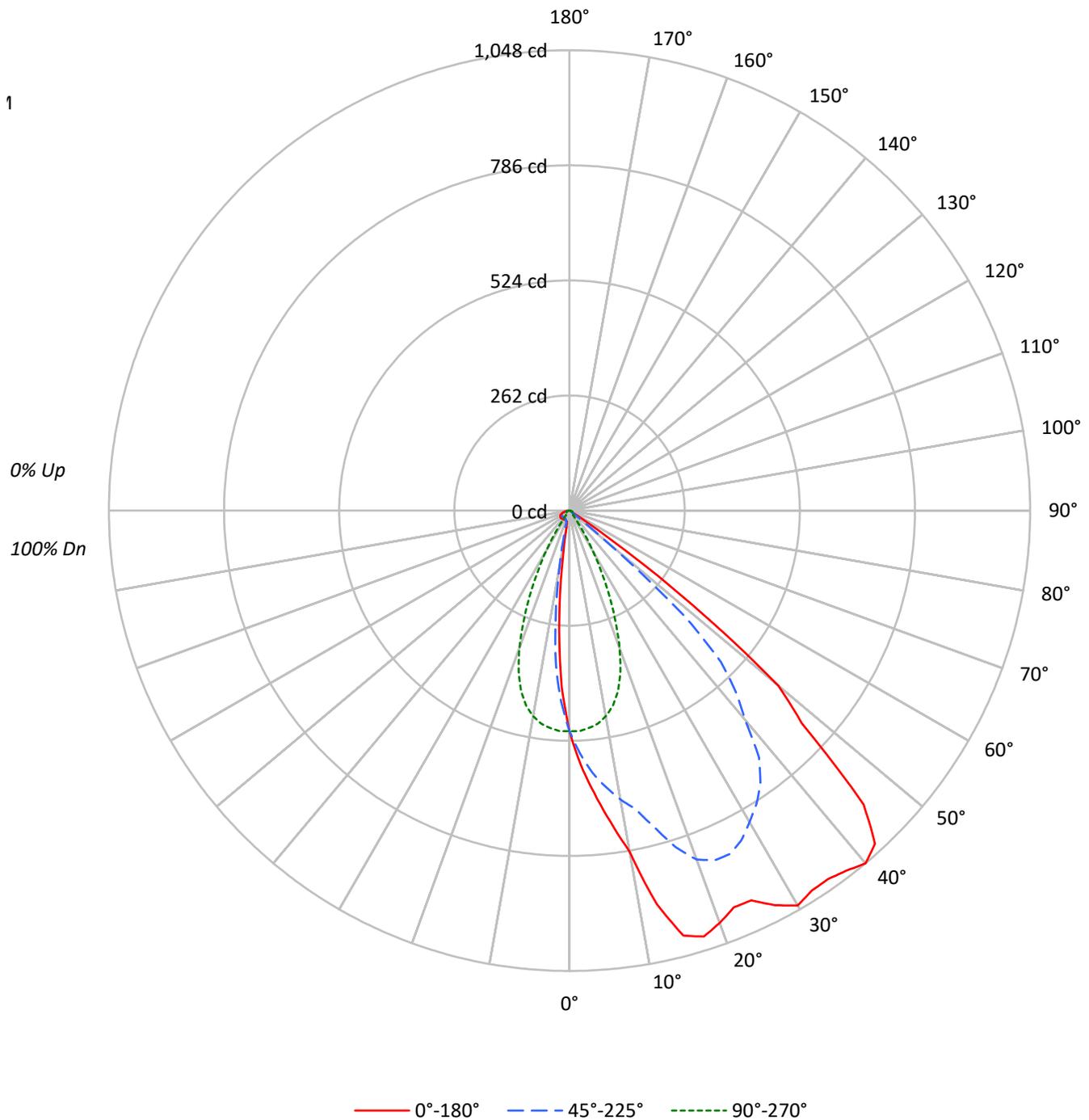
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 815.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	86404	86404	86404	86404	86404
5°	111612	103625	85939	61200	46695
10°	137927	116802	83155	23137	6855
15°	178619	132939	75866	5081	4529
20°	183056	154849	61067	4234	4380
25°	185998	163917	40932	4086	4390
30°	206422	162811	21120	4136	4594
35°	215333	159198	5824	4373	5025
40°	235612	139614	2765	4676	5531
45°	230505	118638	2801	5066	6186
50°	166171	29285	3081	5573	6805
55°	31888	1862	3243	6005	7627
60°	1584	1860	3169	6372	8232
65°	1549	1875	3138	6602	8762
70°	1561	1913	3122	6596	8913
75°	1530	2063	3061	6654	9249
80°	793	2281	3075	6843	9124
85°	1581	1581	2964	6126	9090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 230505 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	5.4
10°-20°	120.5	14.8
20°-30°	185.4	22.7
30°-40°	217.5	26.7
40°-50°	174.4	21.4
50°-60°	54.2	6.6
60°-70°	10.2	1.3
70°-80°	6.8	0.8
80°-90°	2.4	0.3
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°	349.5	42.9
0°-40°	567.0	69.6
0°-60°	795.6	97.6
0°-90°	815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	502	502	502	502	502	
5°	646	599	497	354	270	66
15°	1002	746	426	28	25	274
25°	979	863	215	22	23	462
35°	1024	757	28	21	24	648
45°	946	487	12	21	25	677
55°	106	6	11	20	25	168
65°	4	5	8	16	22	4
75°	2	3	5	10	14	2
85°	1	1	2	3	5	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°	501.7	501.7	501.7	501.7	501.7	501.7	501.7	501.7	501.7	501.7	501.7
2.5°	578.6	572.5	572.5	570.2	567.9	568.6	562.5	564.8	558.6	554.0	550.2
5°	645.6	637.9	637.1	633.3	629.4	626.3	618.6	614.0	604.8	599.4	587.9
7.5°	714.8	708.7	704.8	700.2	693.3	685.6	672.5	664.0	649.4	634.8	620.2
10°	788.7	783.3	774.8	769.5	750.2	737.9	720.2	708.7	687.1	667.9	645.6
12.5°	918.0	914.9	898.7	888.0	860.3	835.6	797.2	766.4	727.9	696.4	666.4
15°	1001.8	998.0	989.5	979.5	961.8	934.1	899.5	856.4	802.5	745.6	694.8
17.5°	1016.5	1017.2	1011.8	1009.5	998.0	980.3	952.6	920.3	866.4	803.3	734.1
20°	998.8	1004.9	1003.4	1008.0	1010.3	1003.4	984.9	953.4	906.4	844.9	767.2
22.5°	977.2	982.6	981.1	989.5	1002.6	1009.5	1003.4	978.0	930.3	861.8	785.6
25°	978.8	982.6	971.1	976.4	993.4	1010.3	1011.1	988.8	937.2	862.6	784.1
27.5°	1012.6	1001.1	974.9	972.6	993.4	1014.9	1016.5	988.8	927.2	846.4	768.7
30°	1038.0	1029.5	1000.3	996.5	1016.5	1031.1	1023.4	980.3	903.3	818.7	746.4
32.5°	1025.7	1027.2	1014.9	1027.2	1053.4	1059.5	1027.2	960.3	870.3	791.8	720.2
35°	1024.2	1030.3	1037.2	1056.5	1074.2	1059.5	1008.0	922.6	834.9	757.2	679.4
37.5°	1033.4	1043.4	1053.4	1070.3	1070.3	1032.6	957.2	874.9	792.5	707.9	594.8
40°	1048.0	1054.2	1057.2	1055.7	1034.9	979.5	899.5	817.2	738.7	621.0	538.6
42.5°	1028.8	1028.0	1024.9	1011.8	973.4	901.0	826.4	759.5	635.6	560.2	466.3
45°	946.4	946.4	938.0	917.2	881.8	821.8	755.6	657.9	579.4	487.1	346.3
47.5°	716.4	711.0	720.2	732.5	732.5	727.1	667.1	582.5	502.5	351.6	110.8
50°	620.2	611.7	600.2	602.5	600.9	607.1	568.6	504.8	371.6	109.3	7.7
52.5°	350.9	366.3	404.0	457.1	480.9	489.4	465.5	384.0	125.4	6.9	6.2
55°	106.2	109.3	123.9	152.4	207.0	264.7	268.5	124.7	8.5	6.2	6.2
57.5°	4.6	4.6	6.2	9.2	21.5	32.3	34.6	7.7	5.4	6.2	6.2
60°	4.6	4.6	4.6	4.6	4.6	4.6	5.4	5.4	5.4	5.4	6.2
62.5°	3.8	3.8	4.6	4.6	4.6	4.6	4.6	4.6	5.4	5.4	5.4
65°	3.8	3.8	3.8	3.8	3.8	3.8	4.6	4.6	4.6	4.6	5.4
67.5°	3.1	3.1	3.1	3.8	3.8	3.8	3.8	3.8	4.6	4.6	4.6
70°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.8	3.8	3.8	3.8
72.5°	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.1	3.8
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1
77.5°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
80°	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	501.7	501.7	501.7	501.7	501.7	501.7	501.7	501.7
2.5°	544.8	538.6	531.7	502.5	474.0	435.5	409.4	401.7
5°	577.9	567.9	552.5	497.1	430.1	354.0	292.4	270.1
7.5°	605.6	590.2	568.6	489.4	377.8	240.1	154.7	130.8
10°	625.6	606.3	578.6	475.5	308.6	132.3	52.3	39.2
12.5°	642.5	617.1	584.0	454.8	224.7	53.9	26.9	26.9
15°	654.0	623.3	586.3	425.5	145.4	28.5	25.4	25.4
17.5°	670.2	630.2	586.3	384.7	79.3	24.6	24.6	24.6
20°	696.4	637.1	577.9	333.2	43.9	23.1	23.9	23.9
22.5°	710.2	647.1	567.1	273.2	27.7	22.3	23.1	23.1
25°	713.3	645.6	544.0	215.4	22.3	21.5	22.3	23.1
27.5°	702.5	634.8	513.2	157.0	20.0	20.8	22.3	23.1
30°	683.3	608.6	464.0	106.2	18.5	20.8	22.3	23.1
32.5°	647.1	545.5	406.3	63.9	17.7	20.8	22.3	23.9
35°	566.3	479.4	340.1	27.7	16.9	20.8	23.1	23.9
37.5°	507.8	413.2	263.2	13.9	16.9	20.8	23.1	24.6
40°	443.2	332.4	121.6	12.3	16.9	20.8	23.1	24.6
42.5°	337.8	153.9	14.6	12.3	16.2	20.8	23.9	24.6
45°	123.1	16.2	7.7	11.5	16.2	20.8	23.9	25.4
47.5°	9.2	6.2	6.9	11.5	16.2	20.8	23.9	25.4
50°	6.2	6.2	6.9	11.5	16.2	20.8	23.9	25.4
52.5°	6.2	6.9	6.9	10.8	15.4	20.8	23.9	25.4
55°	6.2	6.9	6.9	10.8	15.4	20.0	23.9	25.4
57.5°	6.2	6.2	6.9	10.0	14.6	19.2	23.9	24.6
60°	6.2	6.2	6.9	9.2	13.9	18.5	22.3	23.9
62.5°	6.2	6.2	6.2	8.5	13.1	17.7	21.5	23.1
65°	5.4	5.4	6.2	7.7	11.5	16.2	20.0	21.5
67.5°	4.6	5.4	5.4	6.9	10.8	14.6	18.5	20.0
70°	4.6	4.6	4.6	6.2	9.2	13.1	16.9	17.7
72.5°	3.8	3.8	4.6	5.4	8.5	11.5	15.4	16.2
75°	3.1	3.8	3.8	4.6	6.9	10.0	13.1	13.9
77.5°	3.1	3.1	3.1	3.8	6.2	8.5	10.8	11.5
80°	2.3	2.3	2.3	3.1	4.6	6.9	8.5	9.2
82.5°	1.5	2.3	2.3	2.3	3.8	4.6	6.2	6.9
85°	1.5	1.5	1.5	1.5	2.3	3.1	3.8	4.6
87.5°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)