

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

(formerly Eaton)

Brand: CORELITE

Report Number: P563262

Luminaire Tested: **SQ4-PP3-025U-125D-930-1D-UNV-STD-W-4**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P563262
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-536-32, G2-2103-172-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PP3-025U-125D-930-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PRISM CONTINUOUS LENS.
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

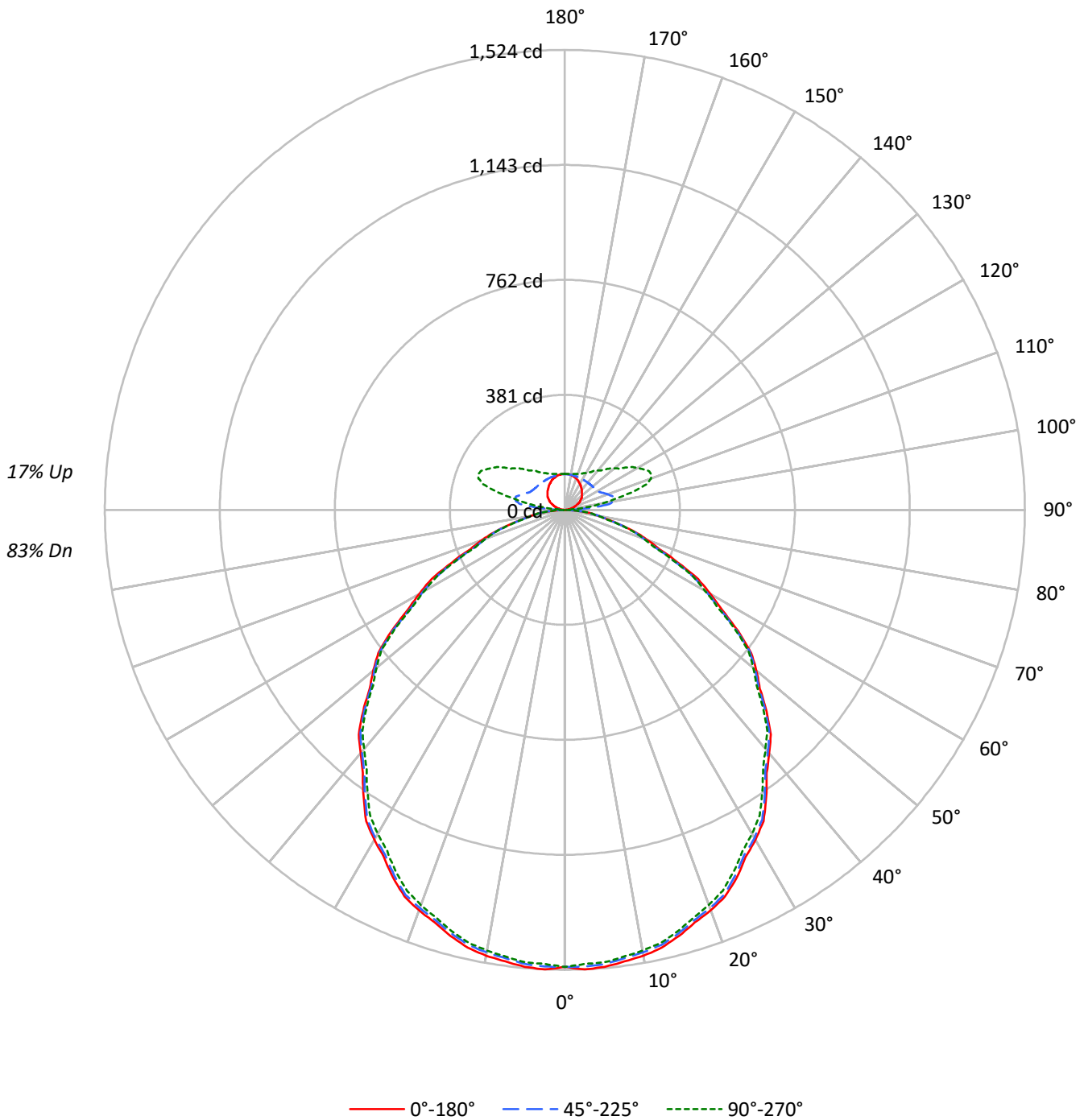
Lumens per Lamp: N/A
Luminaire Lumens: 4645.9 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 49.5
Input Voltage (V): 120
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



TEST NUMBER: P563262
CATALOG NUMBER: SQ4-PP3-025U-125D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P563262

CATALOG NUMBER: SQ4-PP3-025U-125D-930-1D-UNV-STD-W-4

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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	83
1	106	101	97	94	101	97	94	91	90	87	85	84	81	79	77	76	74	71
2	96	89	82	77	92	86	80	75	79	75	71	74	70	67	68	66	63	60
3	88	78	71	65	84	76	69	63	70	65	60	65	61	57	61	57	54	51
4	81	70	61	55	77	67	60	54	63	56	51	58	53	49	55	50	47	44
5	74	62	54	48	71	60	52	47	56	50	45	53	47	43	49	45	41	38
6	69	56	48	42	66	54	46	41	51	44	39	48	42	37	45	40	36	34
7	64	51	43	37	61	49	42	36	46	40	35	44	38	33	41	36	32	30
8	59	46	38	33	57	45	37	32	42	36	31	40	34	30	38	33	29	27
9	55	43	35	29	53	41	34	29	39	32	28	37	31	27	35	30	26	24
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13974	13974	13974
5°	14076	13991	13941
10°	14053	13953	13892
15°	13960	13884	13808
20°	13867	13790	13685
25°	13702	13609	13473
30°	13449	13379	13209
35°	13098	13008	12843
40°	12679	12598	12455
45°	12333	12245	12124
50°	11889	11813	11699
55°	11274	11125	11039
60°	10263	9970	9920
65°	9042	8665	8636
70°	7807	7483	7483
75°	6720	6623	6531
80°	5924	5993	5855
85°	4637	5060	5060



TEST NUMBER: P563262

CATALOG NUMBER: SQ4-PP3-025U-125D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	3.1
10°-20°	409.0	8.8
20°-30°	612.6	13.2
30°-40°	718.5	15.5
40°-50°	720.7	15.5
50°-60°	614.8	13.2
60°-70°	401.0	8.6
70°-80°	201.2	4.3
80°-90°	56.3	1.2
90°-100°	57.8	1.2
100°-110°	151.9	3.3
110°-120°	157.6	3.4
120°-130°	126.4	2.7
130°-140°	99.2	2.1
140°-150°	76.1	1.6
150°-160°	54.8	1.2
160°-170°	33.5	0.7
170°-180°	11.3	0.2
0°-30°	1164.7	25.1
0°-40°	1883.2	40.5
0°-60°	3218.8	69.3
0°-90°	3877.3	83.5
90°-120°	367.3	7.9
90°-150°	669.0	14.4
90°-180°	769.0	16.6
0°-180°	4645.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1520	1506	1511	1505	1505	144
15°	1462	1447	1454	1448	1446	412
25°	1346	1330	1337	1325	1324	619
35°	1163	1151	1155	1142	1140	726
45°	945	939	938	929	929	728
55°	701	698	692	688	686	623
65°	414	406	397	394	396	413
75°	188	188	186	184	183	204
85°	44	48	48	48	48	51
90°	1	2	6	3	3	2
95°	8	30	100	51	35	8
105°	27	42	168	255	238	29
115°	49	59	135	268	306	48
125°	68	76	122	207	244	60
135°	81	89	119	167	189	62
145°	94	99	117	142	154	59
155°	106	109	117	129	132	49
165°	114	116	117	122	123	32
175°	119	119	118	119	119	11
180°	119	119	119	119	119	

TEST NUMBER: P563262

CATALOG NUMBER: SQ4-PP3-025U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1514.6	1514.6	1514.6	1514.6	1514.6
2.5°	1524.2	1511.7	1514.6	1512.4	1506.1
5°	1519.9	1505.7	1510.7	1505.3	1505.3
7.5°	1509.6	1494.0	1499.0	1493.7	1493.4
10°	1500.0	1484.5	1489.4	1484.1	1482.8
12.5°	1486.2	1470.7	1476.7	1470.3	1470.0
15°	1461.5	1447.3	1453.6	1448.2	1445.6
17.5°	1433.7	1418.1	1425.7	1418.2	1417.2
20°	1412.4	1396.8	1404.5	1393.8	1393.8
22.5°	1386.9	1371.4	1380.0	1366.2	1366.2
25°	1346.0	1330.5	1336.8	1324.8	1323.5
27.5°	1297.5	1282.1	1288.7	1275.2	1274.9
30°	1262.4	1248.1	1255.8	1241.2	1239.9
32.5°	1224.2	1210.9	1216.5	1201.9	1200.6
35°	1162.9	1151.2	1154.9	1141.6	1140.3
37.5°	1098.3	1086.4	1090.6	1079.2	1078.7
40°	1052.7	1044.9	1046.0	1036.7	1034.1
42.5°	1010.2	1001.4	1002.5	993.2	992.7
45°	945.2	938.7	938.5	929.2	929.2
47.5°	876.1	871.2	869.8	862.0	861.8
50°	828.3	824.4	823.0	816.4	815.1
52.5°	778.4	776.6	772.1	766.5	766.2
55°	700.9	698.3	691.6	687.6	686.3
57.5°	616.7	611.5	604.0	598.2	599.2
60°	556.2	551.0	540.3	537.6	537.6
62.5°	497.8	491.6	480.8	477.1	479.2
65°	414.2	406.4	396.9	394.3	395.6
67.5°	338.2	331.2	321.0	321.0	319.9
70°	289.4	285.5	277.4	277.4	277.4
72.5°	245.8	244.0	238.1	238.1	237.1
75°	188.5	188.5	185.8	184.5	183.2
77.5°	141.2	141.8	140.4	139.1	136.7
80°	111.5	114.1	112.8	111.5	110.2
82.5°	83.9	86.5	86.3	83.9	83.6
85°	43.8	47.7	47.8	47.8	47.8
87.5°	11.8	16.3	18.2	17.6	18.7
90°	0.8	2.2	6.1	3.0	3.0
92.5°	3.2	15.4	34.1	15.1	9.7
95°	7.6	29.9	99.6	51.3	35.0
97.5°	13.2	32.8	149.0	118.5	87.3
100°	17.5	35.3	164.2	166.4	129.2
102.5°	21.1	37.8	168.5	207.3	175.4
105°	27.4	41.5	168.0	255.0	237.9
107.5°	33.8	46.8	158.4	279.8	284.0
110°	38.0	49.9	150.5	286.2	304.1

TEST NUMBER: P563262

CATALOG NUMBER: SQ4-PP3-025U-125D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	42.3	53.6	143.2	282.2	309.5
115°	48.7	59.1	134.6	268.4	306.4
117.5°	54.9	64.4	128.6	249.4	291.5
120°	58.5	67.5	126.2	236.6	277.5
122.5°	62.2	71.1	124.4	223.8	264.1
125°	67.7	75.8	122.4	206.9	244.0
127.5°	72.1	80.4	120.7	193.2	224.6
130°	74.5	83.4	120.1	184.6	213.6
132.5°	76.9	85.8	119.5	177.3	203.3
135°	80.6	88.8	118.6	167.0	189.3
137.5°	84.4	92.4	118.4	159.3	177.6
140°	87.4	94.9	117.8	153.2	170.3
142.5°	89.9	96.7	117.8	148.9	163.6
145°	93.5	99.4	117.1	142.4	153.6
147.5°	97.2	102.9	117.1	137.0	146.3
150°	99.6	104.8	117.1	134.0	141.4
152.5°	102.0	106.0	117.1	131.5	137.1
155°	105.7	108.6	117.1	128.6	132.3
157.5°	108.4	111.2	117.1	125.9	128.6
160°	110.2	112.5	117.1	124.7	126.2
162.5°	112.0	113.7	117.1	123.5	125.0
165°	114.0	115.5	117.1	121.7	123.1
167.5°	115.9	116.6	117.8	120.9	121.5
170°	117.1	117.8	117.8	120.9	120.9
172.5°	117.7	117.8	117.8	120.2	119.7
175°	118.6	118.6	117.8	119.3	119.3
177.5°	118.6	118.6	118.0	119.2	118.6
180°	118.6	118.6	118.6	118.6	118.6

(END OF REPORT)