

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: P562879

Luminaire Tested: **SQ4-PC3-0U-125D-930-1D-UNV-STD-W-6**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P562879
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PC3-0U-125D-930-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS.
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

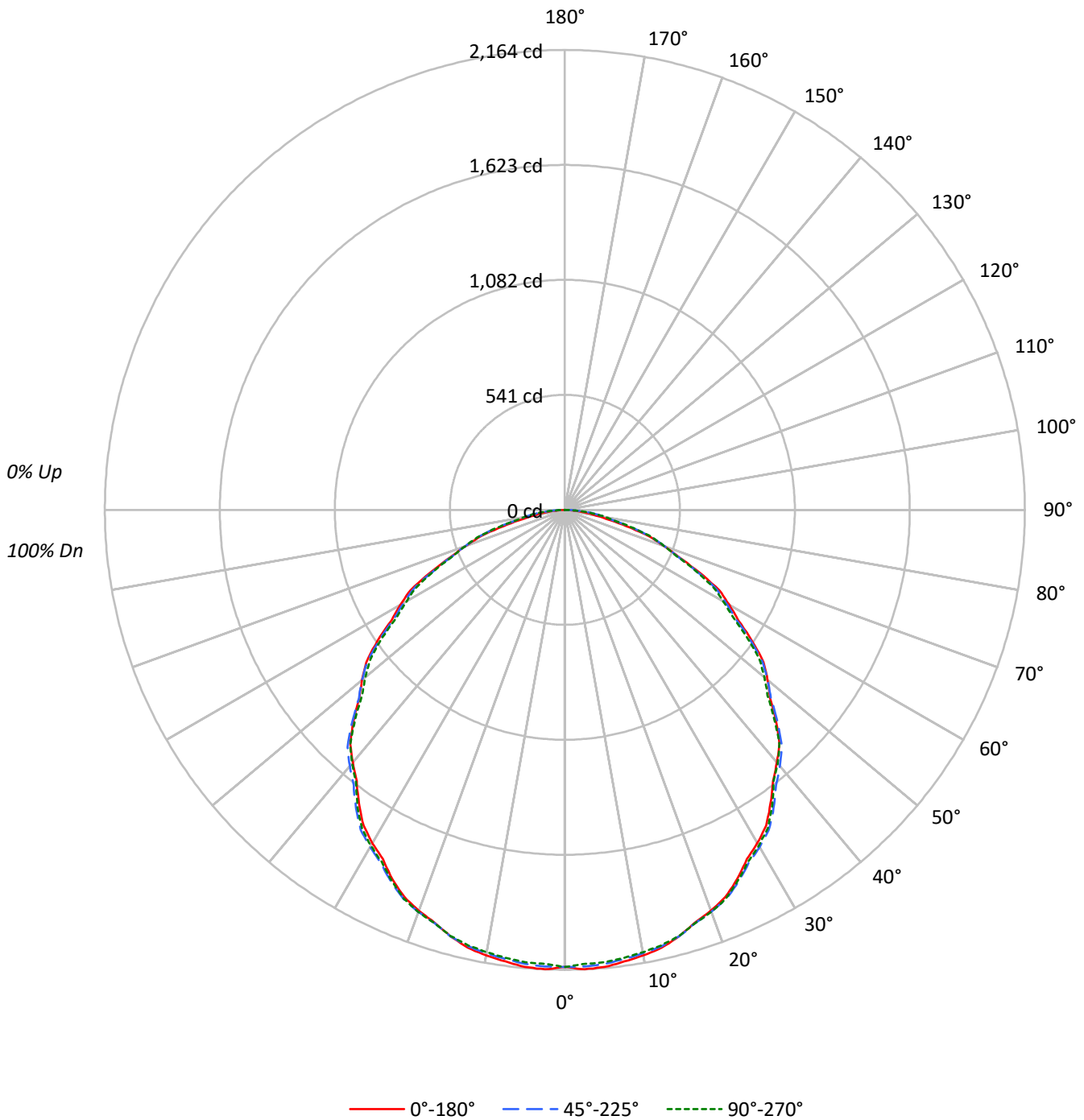
Lumens per Lamp: N/A
Luminaire Lumens: 5870.5 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.29' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 69.7
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



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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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13230	13230	13230
5°	13330	13244	13195
10°	13298	13235	13198
15°	13228	13228	13215
20°	13141	13180	13180
25°	13017	13111	13070
30°	12858	13014	12957
35°	12666	12861	12772
40°	12457	12633	12506
45°	12231	12318	12128
50°	11911	11911	11721
55°	11533	11384	11213
60°	10977	10755	10584
65°	10146	9942	9856
70°	8882	8954	8918
75°	7146	7904	7952
80°	5079	6702	6773
85°	3091	5625	5625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	3.5
10°-20°	584.2	10.0
20°-30°	884.7	15.1
30°-40°	1060.6	18.1
40°-50°	1081.5	18.4
50°-60°	944.0	16.1
60°-70°	675.9	11.5
70°-80°	348.1	5.9
80°-90°	88.0	1.5
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°	1672.4	28.5
0°-40°	2733.0	46.6
0°-60°	4758.5	81.1
0°-90°	5870.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5870.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2159	2138	2145	2139	2137	205
15°	2077	2060	2077	2077	2075	586
25°	1918	1904	1932	1926	1926	883
35°	1687	1683	1713	1701	1701	1055
45°	1406	1402	1416	1398	1394	1082
55°	1076	1062	1062	1046	1046	959
65°	697	682	683	677	677	689
75°	301	314	333	335	335	325
85°	44	67	80	82	80	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2151.0	2151.0	2151.0	2151.0	2151.0
2.5°	2163.7	2145.1	2151.0	2146.0	2138.3
5°	2159.0	2137.5	2145.0	2139.0	2137.1
7.5°	2143.4	2122.0	2131.9	2127.9	2125.9
10°	2129.1	2107.7	2119.1	2115.1	2113.2
12.5°	2110.0	2090.1	2103.2	2099.2	2098.8
15°	2077.3	2059.8	2077.3	2077.3	2075.3
17.5°	2036.3	2020.3	2039.1	2040.2	2039.1
20°	2007.6	1990.1	2013.6	2011.6	2013.6
22.5°	1972.5	1958.1	1983.3	1978.2	1980.1
25°	1918.0	1904.3	1931.9	1925.9	1925.9
27.5°	1853.4	1843.7	1873.8	1867.4	1867.4
30°	1810.4	1800.7	1832.3	1824.4	1824.4
32.5°	1762.6	1756.0	1786.1	1776.6	1776.6
35°	1686.9	1683.0	1712.8	1700.9	1700.9
37.5°	1608.9	1605.4	1632.4	1617.9	1613.3
40°	1551.5	1549.6	1573.4	1557.5	1557.5
42.5°	1494.2	1492.2	1512.9	1493.8	1493.8
45°	1406.1	1402.2	1416.1	1398.1	1394.2
47.5°	1310.1	1306.2	1314.9	1295.3	1293.4
50°	1244.8	1240.9	1244.8	1226.8	1224.9
52.5°	1177.9	1170.9	1171.5	1153.6	1153.2
55°	1075.5	1061.9	1061.6	1045.6	1045.6
57.5°	967.2	949.2	950.8	937.2	935.3
60°	892.3	872.8	874.3	862.3	860.4
62.5°	819.0	796.4	801.0	787.5	787.1
65°	697.1	681.5	683.1	677.2	677.2
67.5°	580.0	565.6	576.0	571.2	570.8
70°	493.9	484.2	497.9	497.9	495.9
72.5°	414.3	413.9	431.0	431.0	432.2
75°	300.7	314.4	332.6	334.6	334.6
77.5°	200.8	224.9	245.0	245.8	245.4
80°	143.4	170.7	189.2	193.1	191.2
82.5°	97.2	126.0	141.4	145.3	143.4
85°	43.8	67.2	79.7	81.6	79.7
87.5°	12.7	26.8	31.9	31.8	28.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)