

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: P561614

Luminaire Tested: **SQ4-PC3-0U-125D-92765-1D-UNV-STD-W-4 (5700K)**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P561614  
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-92765-1D-UNV-STD-W-4 (5700K)  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 5700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5362.8 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')  
CIE Type: Direct

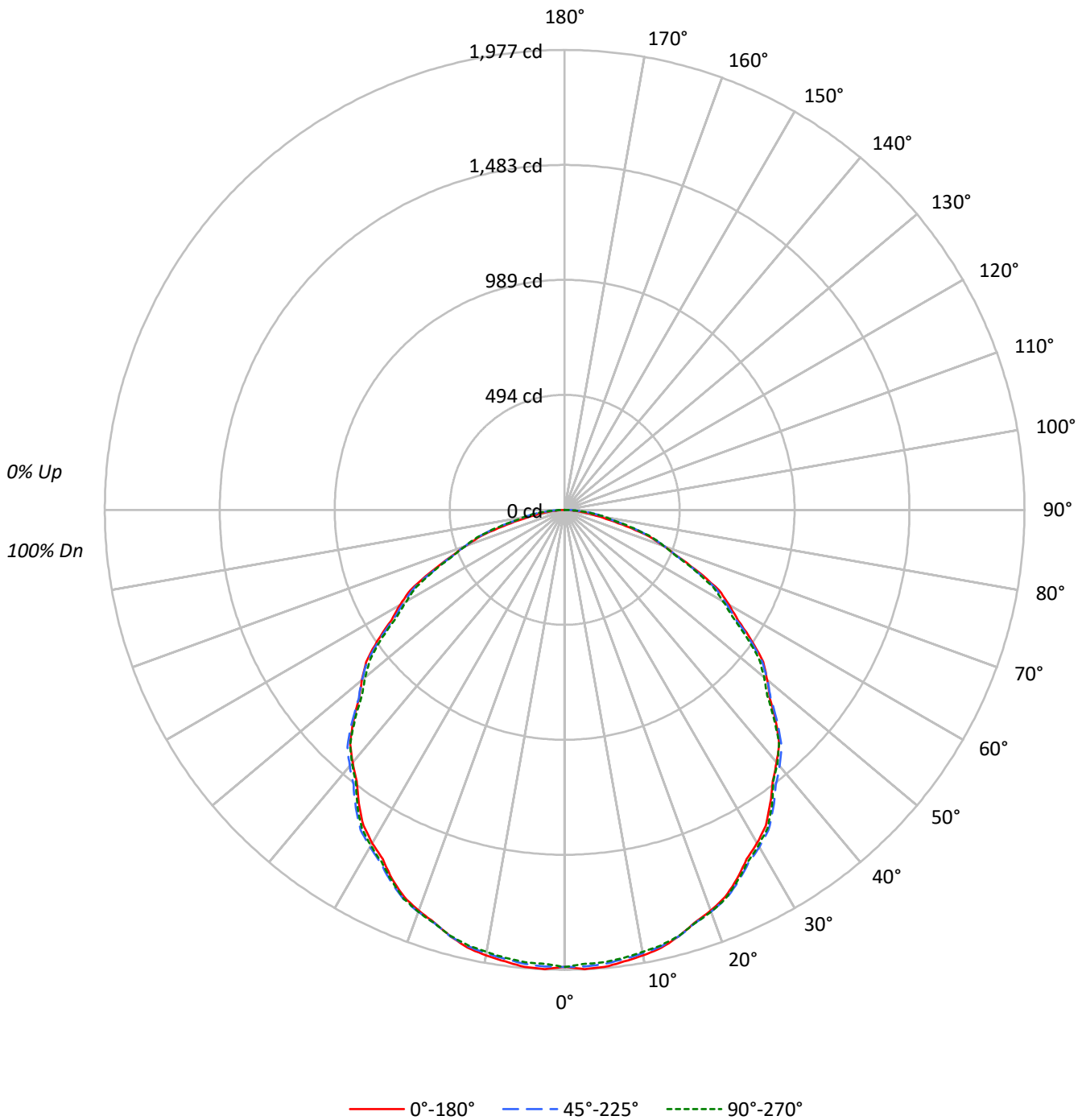
Input Watts (W): 55.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	18129	18129	18129
5°	18266	18148	18080
10°	18222	18137	18085
15°	18126	18126	18108
20°	18007	18060	18060
25°	17836	17966	17911
30°	17620	17833	17755
35°	17358	17623	17501
40°	17070	17311	17136
45°	16760	16879	16618
50°	16321	16321	16060
55°	15804	15600	15365
60°	15041	14738	14504
65°	13902	13625	13505
70°	12171	12271	12220
75°	9792	10830	10897
80°	6960	9181	9282
85°	4234	7707	7707



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.0	3.5
10°-20°	533.7	10.0
20°-30°	808.2	15.1
30°-40°	968.9	18.1
40°-50°	987.9	18.4
50°-60°	862.4	16.1
60°-70°	617.4	11.5
70°-80°	318.0	5.9
80°-90°	80.4	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°	1527.8	28.5
0°-40°	2496.7	46.6
0°-60°	4347.0	81.1
0°-90°	5362.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5362.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1965	1965	1965	1965	1965	
5°	1972	1953	1960	1954	1952	187
15°	1898	1882	1898	1898	1896	535
25°	1752	1740	1765	1759	1759	806
35°	1541	1538	1565	1554	1554	964
45°	1284	1281	1294	1277	1274	989
55°	982	970	970	955	955	876
65°	637	623	624	619	619	630
75°	275	287	304	306	306	297
85°	40	61	73	75	73	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1965.0	1965.0	1965.0	1965.0	1965.0
2.5°	1976.6	1959.5	1965.0	1960.5	1953.3
5°	1972.3	1952.7	1959.5	1954.0	1952.2
7.5°	1958.1	1938.5	1947.5	1943.8	1942.1
10°	1945.0	1925.4	1935.9	1932.2	1930.4
12.5°	1927.5	1909.4	1921.3	1917.7	1917.3
15°	1897.7	1881.7	1897.7	1897.6	1895.8
17.5°	1860.2	1845.6	1862.7	1863.8	1862.7
20°	1834.0	1818.0	1839.4	1837.7	1839.4
22.5°	1802.0	1788.8	1811.8	1807.1	1808.9
25°	1752.1	1739.7	1764.8	1759.4	1759.4
27.5°	1693.2	1684.3	1711.7	1705.9	1705.9
30°	1653.9	1645.0	1673.9	1666.6	1666.6
32.5°	1610.2	1604.1	1631.7	1622.9	1622.9
35°	1541.1	1537.5	1564.7	1553.8	1553.8
37.5°	1469.7	1466.5	1491.2	1478.0	1473.7
40°	1417.3	1415.6	1437.3	1422.8	1422.8
42.5°	1364.9	1363.2	1382.0	1364.6	1364.6
45°	1284.5	1281.0	1293.6	1277.2	1273.6
47.5°	1196.8	1193.3	1201.2	1183.3	1181.5
50°	1137.1	1133.6	1137.1	1120.7	1118.9
52.5°	1076.0	1069.6	1070.2	1053.8	1053.4
55°	982.5	970.0	969.8	955.2	955.2
57.5°	883.5	867.1	868.6	856.2	854.4
60°	815.1	797.3	798.7	787.8	786.0
62.5°	748.1	727.5	731.8	719.4	719.0
65°	636.8	622.6	624.1	618.6	618.6
67.5°	529.8	516.7	526.2	521.8	521.4
70°	451.2	442.3	454.9	454.8	453.0
72.5°	378.4	378.1	393.7	393.7	394.8
75°	274.7	287.2	303.8	305.7	305.7
77.5°	183.4	205.5	223.8	224.5	224.2
80°	131.0	155.9	172.8	176.4	174.7
82.5°	88.8	115.1	129.2	132.8	131.0
85°	40.0	61.4	72.8	74.6	72.8
87.5°	11.6	24.5	29.1	29.0	26.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)