

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: P561975

Luminaire Tested: **SQ4-PR1-0U-125D-92765-1D-UNV-STD-W-4 (4000K)**

Issue Date: 7/30/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P561975  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: SQ4-PR1-0U-125D-92765-1D-UNV-STD-W-4 (4000K)  
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE RIPPLE CONTINUOUS LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

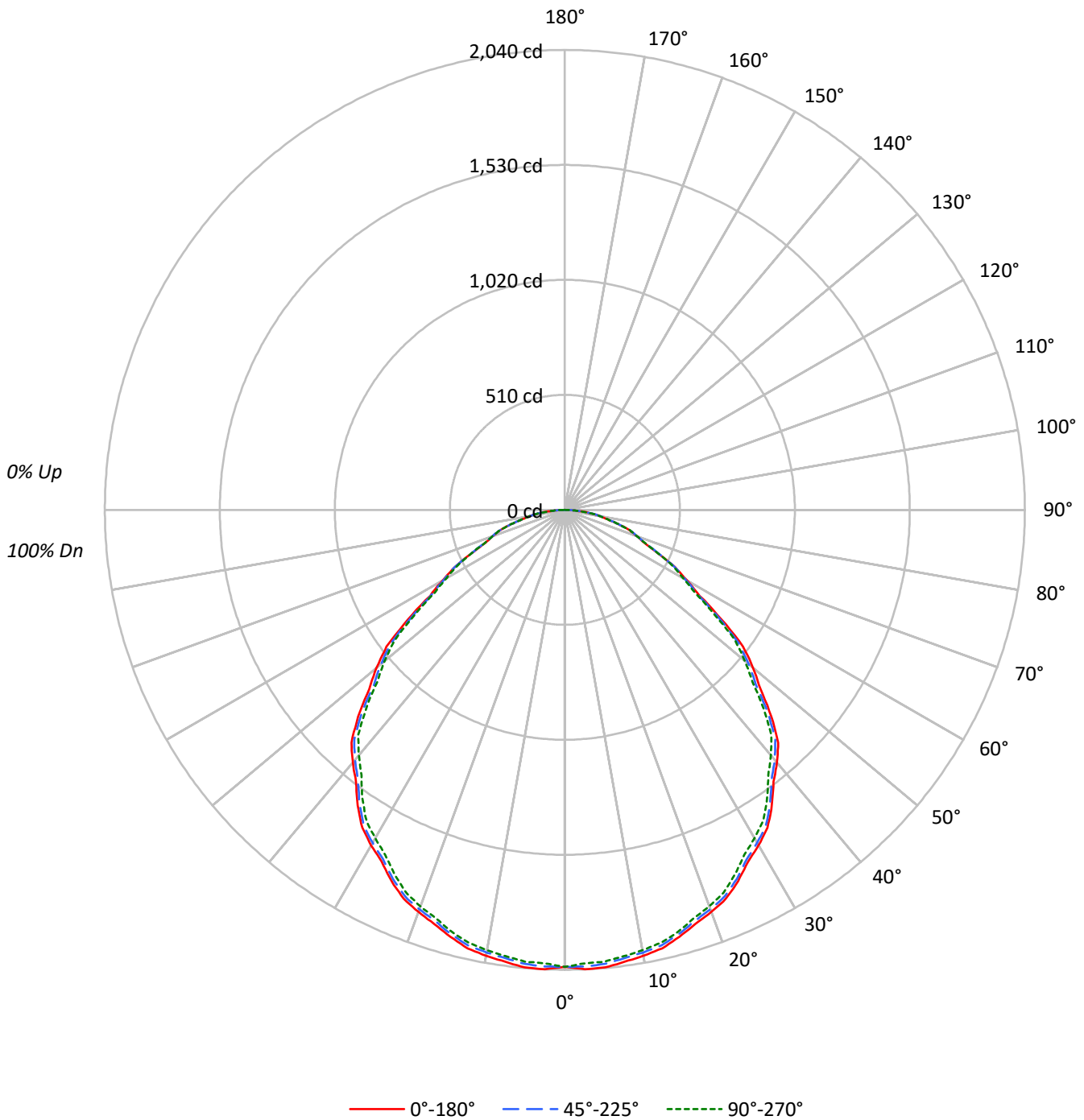
Lumens per Lamp: N/A  
Luminaire Lumens: 5067.8 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.35  
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 55.8  
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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72				
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54				
5	78	66	57	51	76	65	57	50	63	55	50	61	54	49	59	53	49	47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41				
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37				
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18703	18703	18703
5°	18872	18727	18629
10°	18812	18681	18582
15°	18729	18612	18512
20°	18635	18515	18378
25°	18504	18379	18166
30°	18304	18174	17914
35°	18033	17877	17621
40°	17623	17434	17118
45°	16905	16609	16267
50°	15639	15263	14962
55°	13650	13341	13060
60°	11501	11405	11180
65°	9948	9988	9911
70°	9137	9185	9185
75°	8776	8776	8837
80°	8257	8347	8257
85°	6659	7389	7389



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.7	3.8
10°-20°	548.5	10.8
20°-30°	827.3	16.3
30°-40°	985.7	19.5
40°-50°	971.8	19.2
50°-60°	742.7	14.7
60°-70°	459.6	9.1
70°-80°	261.1	5.2
80°-90°	79.4	1.6
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°	1567.5	30.9
0°-40°	2553.2	50.4
0°-60°	4267.7	84.2
0°-90°	5067.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5067.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2027	2027	2027	2027	2027	
5°	2038	2016	2022	2015	2012	193
15°	1961	1940	1949	1942	1938	553
25°	1818	1796	1805	1786	1784	836
35°	1601	1582	1587	1566	1564	999
45°	1296	1278	1273	1250	1247	993
55°	849	835	829	815	812	760
65°	456	452	458	454	454	462
75°	246	246	246	248	248	260
85°	63	66	70	70	70	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2027.2	2027.2	2027.2	2027.2	2027.2
2.5°	2039.8	2022.0	2027.2	2022.8	2013.2
5°	2037.7	2015.5	2022.0	2014.9	2011.5
7.5°	2022.0	2000.1	2006.6	1999.6	1997.5
10°	2008.0	1987.5	1994.0	1987.0	1983.5
12.5°	1992.6	1970.8	1978.7	1970.2	1966.8
15°	1960.8	1940.4	1948.6	1941.6	1938.1
17.5°	1925.9	1904.1	1912.3	1904.2	1899.7
20°	1898.0	1877.5	1885.8	1873.5	1871.8
22.5°	1867.3	1846.8	1855.0	1838.6	1838.3
25°	1817.7	1795.5	1805.4	1786.2	1784.5
27.5°	1758.6	1738.2	1746.4	1726.8	1724.8
30°	1718.1	1697.6	1705.9	1684.9	1681.5
32.5°	1672.0	1652.9	1659.8	1638.8	1636.8
35°	1601.1	1582.4	1587.2	1566.2	1564.5
37.5°	1520.5	1503.4	1506.2	1483.1	1481.4
40°	1463.2	1446.1	1447.5	1423.0	1421.3
42.5°	1400.4	1383.3	1381.8	1357.4	1355.7
45°	1295.6	1278.5	1272.9	1250.1	1246.7
47.5°	1176.2	1159.1	1148.6	1130.0	1127.6
50°	1089.6	1072.5	1063.4	1047.5	1042.4
52.5°	996.0	978.9	971.2	956.7	951.6
55°	848.6	834.9	829.4	815.3	811.9
57.5°	708.6	699.3	697.7	684.1	682.7
60°	623.3	618.2	618.1	605.9	605.9
62.5°	550.7	547.0	549.7	541.6	540.2
65°	455.7	452.3	457.5	454.0	454.0
67.5°	380.6	380.6	383.8	382.4	382.4
70°	338.7	338.7	340.5	340.5	340.5
72.5°	301.0	299.7	304.2	304.1	302.8
75°	246.2	246.2	246.2	247.9	247.9
77.5°	191.7	192.1	193.5	193.1	191.7
80°	155.4	157.1	157.1	155.4	155.4
82.5°	119.1	120.8	120.8	120.4	119.1
85°	62.9	66.3	69.8	69.8	69.8
87.5°	18.2	23.6	27.9	27.9	26.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)