

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935773

Luminaire Tested: SQ4-FA-125U-125D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935773
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frost
Lens
Light Source: -
Ballast/Driver: -

Summary

Lumens per LampN/A
Luminaire Lumens25685.4 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45)1.14 / 1.26 / 1.36
Luminous OpeningRectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type:General Diffuse

Input Watts (W): 225.6
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



TEST NUMBER: P935773
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1446.4	928.2	906.5	819.4	732.4
115°	1459.8	1023.4	1003.4	923.0	842.7
117.5°	1486.9	1115.9	1097.7	1024.7	951.8
120°	1509.0	1169.7	1152.5	1083.8	1015.2
122.5°	1540.7	1233.1	1215.8	1146.5	1077.2
125°	1583.5	1314.5	1298.7	1235.6	1172.4
127.5°	1626.2	1393.1	1377.2	1313.4	1249.7
130°	1657.5	1445.5	1428.3	1359.7	1291.1
132.5°	1682.8	1488.3	1471.1	1402.4	1333.8
135°	1710.4	1537.9	1522.3	1459.8	1397.3
137.5°	1751.7	1601.3	1585.9	1524.0	1462.1
140°	1777.0	1644.1	1629.8	1572.8	1515.8
142.5°	1798.1	1675.8	1662.7	1609.9	1557.2
145°	1825.7	1724.1	1712.7	1666.7	1620.7
147.5°	1866.2	1784.8	1773.6	1728.8	1684.1
150°	1887.4	1816.6	1806.5	1766.0	1725.5
152.5°	1901.2	1837.3	1829.6	1798.9	1768.3
155°	1931.5	1882.7	1877.1	1854.4	1831.7
157.5°	1961.9	1928.3	1922.8	1900.7	1878.7
160°	1975.6	1949.0	1944.7	1927.5	1910.4
162.5°	1990.4	1971.0	1967.8	1954.9	1942.1
165°	2011.5	2002.7	1999.8	1988.1	1976.5
167.5°	2028.0	2020.6	2019.3	2013.8	2008.3
170°	2041.8	2041.3	2040.0	2034.5	2029.0
172.5°	2042.8	2042.8	2042.5	2041.2	2040.0
175°	2051.0	2055.2	2055.2	2055.2	2055.2
177.5°	2052.0	2055.2	2055.2	2055.2	2055.2
180°	2055.2	2055.2	2055.2	2055.2	2055.2



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.98	14.83	14.96	15.82	17.11	16.84	17.68	17.81	18.67	19.96
	3H	14.46	15.22	15.44	16.21	17.53	18.19	18.94	19.17	19.94	21.26
	4H	14.65	15.37	15.65	16.37	17.69	18.63	19.35	19.63	20.35	21.68
	6H	14.77	15.43	15.78	16.43	17.77	18.92	19.58	19.93	20.59	21.93
	8H	14.77	15.40	15.78	16.42	17.75	19.00	19.63	20.01	20.65	21.99
	12H	14.74	15.34	15.76	16.35	17.71	19.04	19.64	20.06	20.65	22.02
4H	2H	15.02	15.74	16.02	16.74	18.06	17.24	17.96	18.25	18.96	20.29
	3H	16.05	16.64	17.06	17.67	19.01	18.75	19.35	19.77	20.38	21.72
	4H	16.32	16.87	17.34	17.89	19.25	19.28	19.83	20.30	20.85	22.22
	6H	16.44	16.91	17.48	17.96	19.32	19.65	20.12	20.69	21.17	22.53
	8H	16.45	16.89	17.48	17.93	19.30	19.76	20.20	20.80	21.24	22.62
	12H	16.42	16.81	17.47	17.86	19.25	19.82	20.22	20.87	21.27	22.65
8H	4H	16.78	17.21	17.81	18.25	19.63	19.41	19.85	20.44	20.88	22.26
	6H	17.04	17.40	18.09	18.48	19.85	19.85	20.21	20.90	21.29	22.66
	8H	17.08	17.40	18.14	18.46	19.85	20.00	20.32	21.07	21.39	22.78
	12H	17.06	17.34	18.13	18.40	19.84	20.11	20.39	21.17	21.44	22.88
12H	4H	16.78	17.18	17.83	18.23	19.61	19.37	19.77	20.42	20.82	22.20
	6H	17.10	17.42	18.16	18.48	19.87	19.84	20.16	20.91	21.23	22.62
	8H	17.16	17.45	18.23	18.50	19.94	20.01	20.29	21.08	21.35	22.78