

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674965

Luminaire Tested: **CCW-SA-2D-730-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674965
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-730-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

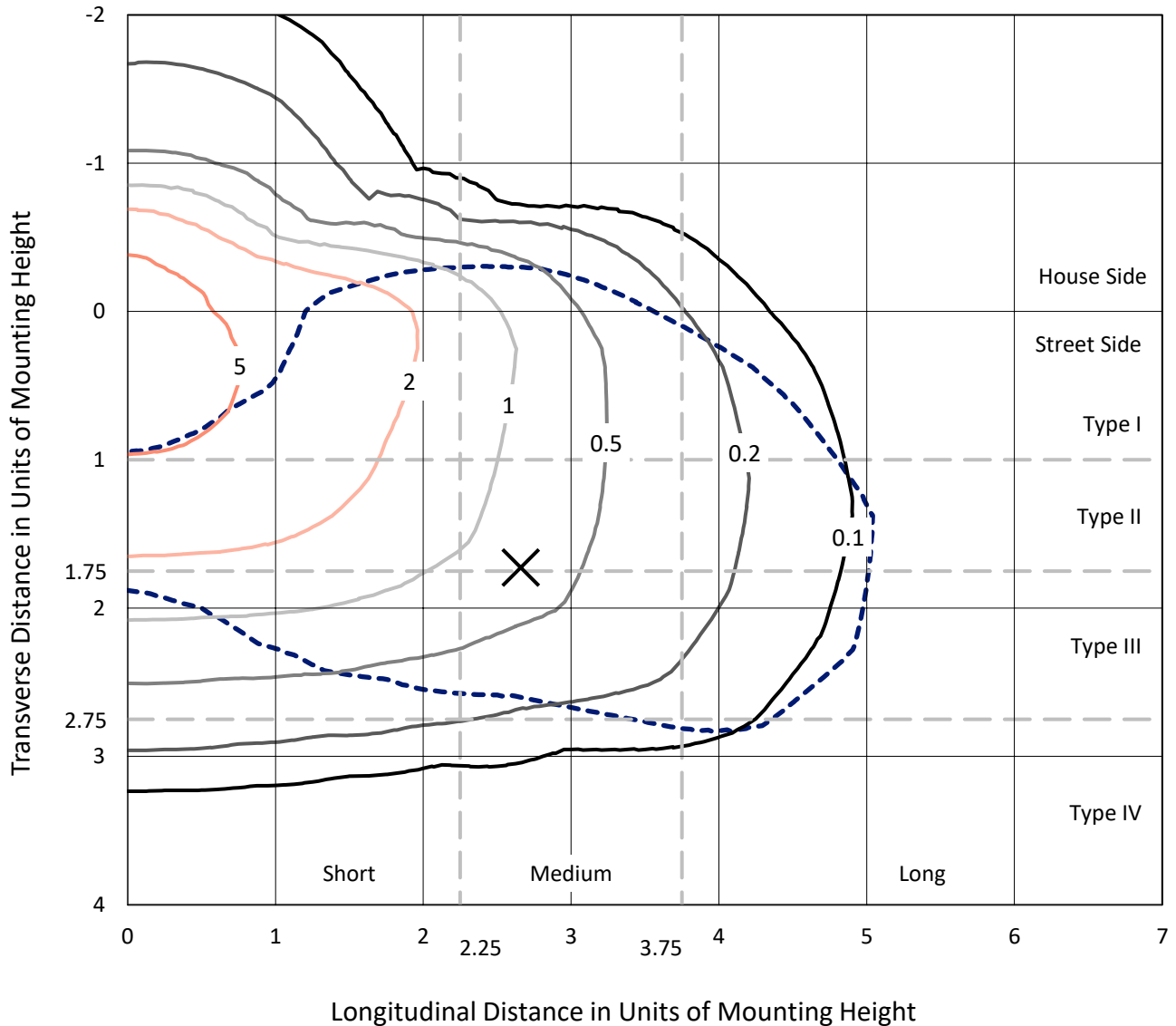
Lumens per Lamp: N/A
Luminaire Lumens: 10261.2 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

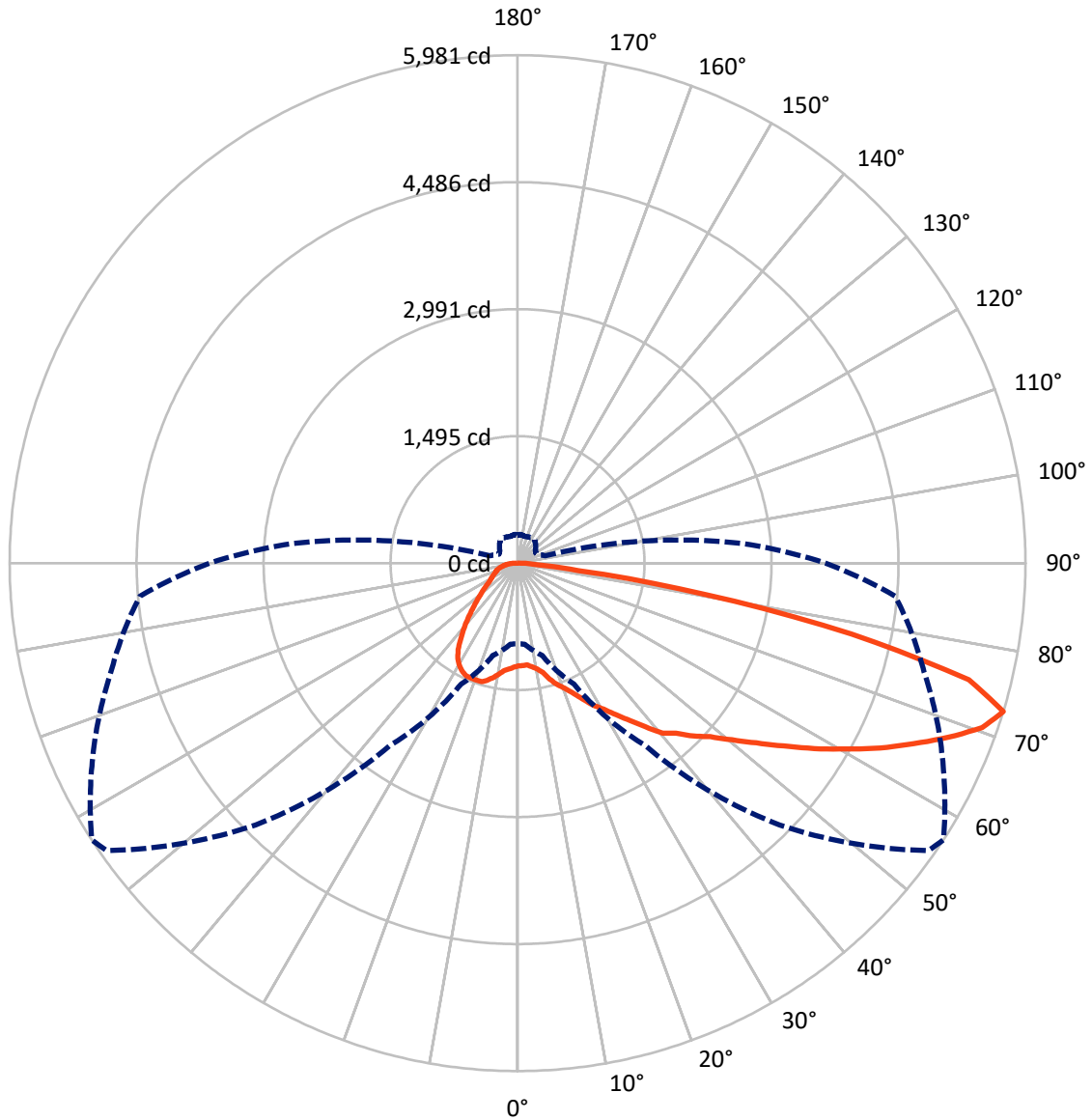
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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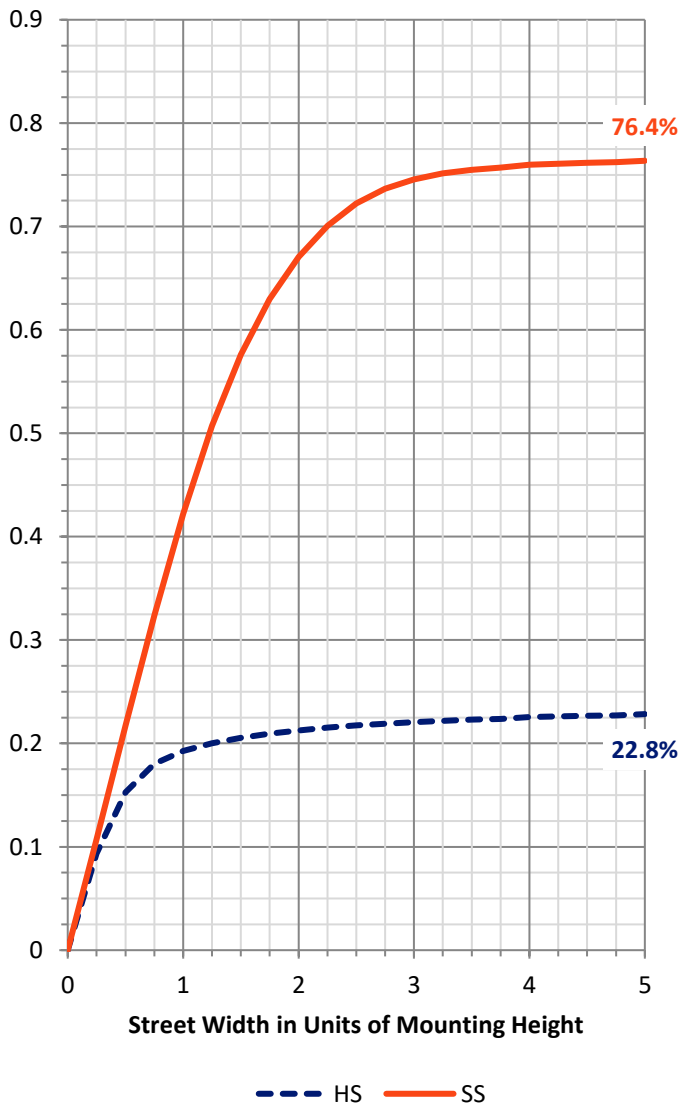
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2396.3	0.0	2396.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	7864.8	0.0	7864.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	10261.2	0.0	10261.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	1.2
10°-20°	405.2	3.9
20°-30°	740.7	7.2
30°-40°	1086.6	10.6
40°-50°	1496.1	14.6
50°-60°	2051.7	20.0
60°-70°	2473.2	24.1
70°-80°	1647.5	16.1
80°-90°	240.0	2.3
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°-90°	10261.2	100.0
0°-180°	10261.2	100.0



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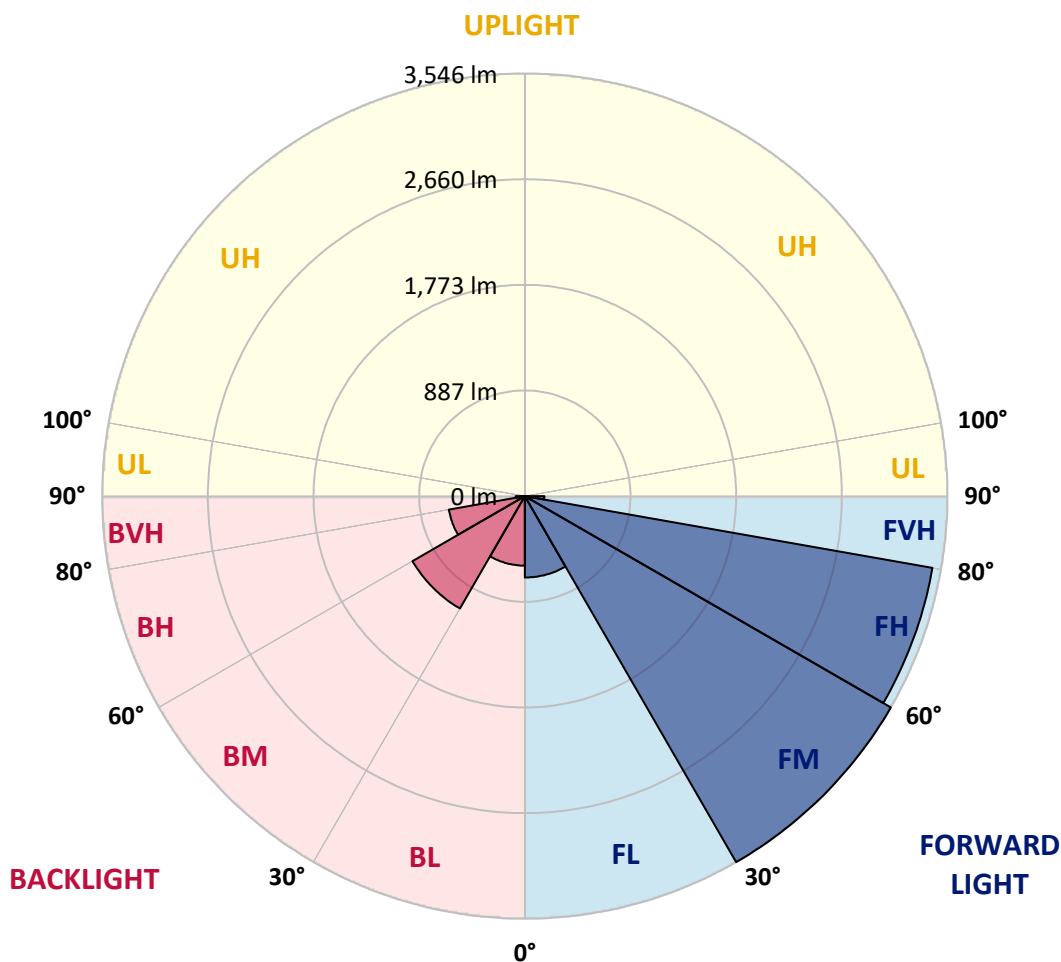
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	682.6	6.7			
FM (30°-60°)	3546.0	34.6			
FH (60°-80°)	3472.8	33.8			G2/5000
FVH (80°-90°)	163.4	1.6			G2/225
BL (0°-30°)	583.4	5.7	B2/1000		
BM (30°-60°)	1088.4	10.6	B2/2500		
BH (60°-80°)	647.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	76.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1
2.5°	1188.7	1192.5	1199.9	1196.2	1196.2	1185.0	1203.7	1207.4	1199.9	1203.7	1211.1
5°	1188.7	1196.2	1207.4	1199.9	1203.7	1199.9	1192.5	1203.7	1203.7	1207.4	1218.6
7.5°	1252.3	1248.5	1248.5	1237.3	1233.6	1229.8	1233.6	1233.6	1226.1	1229.8	1229.8
10°	1323.3	1323.3	1315.8	1315.8	1308.3	1289.6	1271.0	1267.2	1256.0	1259.7	1259.7
12.5°	1398.1	1405.5	1413.0	1390.6	1383.1	1353.2	1342.0	1319.6	1319.6	1312.1	1308.3
15°	1491.5	1480.3	1487.8	1480.3	1461.6	1431.7	1413.0	1416.7	1390.6	1383.1	1371.9
17.5°	1573.7	1577.5	1566.3	1558.8	1525.1	1502.7	1506.5	1502.7	1469.1	1457.9	1439.2
20°	1670.9	1667.2	1667.2	1644.8	1614.9	1585.0	1573.7	1570.0	1577.5	1555.1	1510.2
22.5°	1771.9	1756.9	1756.9	1738.2	1697.1	1678.4	1670.9	1656.0	1663.5	1644.8	1577.5
25°	1854.1	1854.1	1880.3	1842.9	1820.5	1783.1	1768.1	1771.9	1775.6	1738.2	1659.7
27.5°	1962.5	1943.8	1970.0	1951.3	1940.1	1899.0	1880.3	1891.5	1884.0	1842.9	1734.5
30°	2100.8	2104.6	2089.6	2063.4	2048.5	2018.6	2007.4	1996.1	2007.4	1955.0	1816.7
32.5°	2272.8	2284.0	2246.6	2216.7	2190.5	2160.6	2138.2	2127.0	2138.2	2059.7	1880.3
35°	2470.9	2482.1	2452.2	2418.6	2388.7	2313.9	2295.2	2276.5	2235.4	2108.3	1940.1
37.5°	2654.1	2639.1	2631.6	2631.6	2575.6	2467.2	2455.9	2444.7	2366.2	2205.5	2022.3
40°	2777.4	2796.1	2788.6	2781.2	2773.7	2672.7	2650.3	2631.6	2500.8	2351.3	2138.2
42.5°	2915.7	2904.5	2934.4	2945.6	2919.5	2889.6	2799.8	2736.3	2620.4	2500.8	2310.2
45°	3080.2	3072.7	3083.9	3125.1	3087.7	3098.9	2949.4	2904.5	2758.7	2687.7	2527.0
47.5°	3226.0	3244.7	3300.7	3312.0	3282.1	3334.4	3125.1	3054.0	2960.6	2904.5	2751.2
50°	3289.5	3312.0	3439.1	3517.6	3521.3	3603.5	3300.7	3270.8	3143.7	3166.2	3031.6
52.5°	3237.2	3308.2	3461.5	3667.1	3794.2	3876.4	3532.5	3517.6	3401.7	3472.7	3338.1
55°	3285.8	3353.1	3454.0	3741.8	4063.3	4082.0	3854.0	3797.9	3682.0	3779.2	3655.9
57.5°	3308.2	3270.8	3461.5	3824.1	4261.4	4310.0	4160.5	4119.4	4029.7	4123.1	4052.1
60°	3132.5	3177.4	3356.8	3801.7	4272.7	4553.0	4504.4	4444.6	4362.4	4448.3	4407.2
62.5°	2934.4	2964.3	3158.7	3667.1	4336.2	4728.7	4837.1	4792.3	4676.4	4751.1	4822.2
65°	2684.0	2687.7	2904.5	3427.8	4212.8	4829.6	5128.7	5124.9	5042.7	5024.0	5136.2
67.5°	2377.4	2407.3	2579.3	3173.7	4044.6	4941.8	5416.5	5472.6	5308.1	5162.3	5203.4
70°	1824.2	1854.1	2018.6	2601.7	3700.7	4908.1	5771.6	5801.5	5480.1	5110.0	5005.3
72.5°	949.5	957.0	1125.2	1570.0	2624.2	4358.6	5902.5	5981.0	5524.9	4956.7	4463.3
75°	314.0	314.0	385.0	598.1	1237.3	2788.6	5345.5	5487.5	5304.4	4575.4	3652.1
77.5°	186.9	190.6	228.0	299.0	493.4	1114.0	3768.0	4018.5	4339.9	3891.4	2669.0
80°	134.6	138.3	172.0	205.6	295.3	358.9	1891.5	2239.1	2665.3	2504.5	1424.2
82.5°	100.9	100.9	134.6	153.3	201.9	213.1	527.1	721.5	1151.3	897.1	392.5
85°	104.7	104.7	104.7	108.4	138.3	123.4	220.5	235.5	336.4	295.3	108.4
87.5°	37.4	41.1	104.7	71.0	71.0	52.3	86.0	93.5	119.6	123.4	41.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1
2.5°	1214.9	1214.9	1218.6	1218.6	1226.1	1233.6	1244.8	1237.3	1237.3	1241.1	1237.3
5°	1211.1	1214.9	1226.1	1244.8	1252.3	1256.0	1278.4	1278.4	1278.4	1285.9	1285.9
7.5°	1226.1	1233.6	1252.3	1271.0	1274.7	1285.9	1315.8	1323.3	1342.0	1349.5	1353.2
10°	1263.5	1274.7	1289.6	1312.1	1327.0	1342.0	1364.4	1390.6	1386.8	1409.3	1413.0
12.5°	1319.6	1315.8	1342.0	1364.4	1379.4	1401.8	1409.3	1409.3	1409.3	1409.3	1416.7
15°	1364.4	1371.9	1394.3	1409.3	1428.0	1424.2	1409.3	1394.3	1398.1	1394.3	1394.3
17.5°	1431.7	1431.7	1450.4	1454.1	1461.6	1424.2	1401.8	1401.8	1413.0	1413.0	1405.5
20°	1499.0	1495.2	1502.7	1499.0	1450.4	1405.5	1401.8	1405.5	1409.3	1405.5	1401.8
22.5°	1562.5	1555.1	1543.8	1528.9	1442.9	1401.8	1394.3	1375.6	1356.9	1356.9	1345.7
25°	1618.6	1611.1	1581.2	1536.4	1439.2	1379.4	1342.0	1297.1	1274.7	1263.5	1278.4
27.5°	1670.9	1656.0	1614.9	1536.4	1405.5	1319.6	1248.5	1192.5	1173.8	1158.8	1173.8
30°	1742.0	1715.8	1659.7	1525.1	1353.2	1226.1	1128.9	1061.6	1042.9	1020.5	1028.0
32.5°	1805.5	1745.7	1697.1	1491.5	1285.9	1121.4	1009.3	942.0	908.4	889.7	904.6
35°	1872.8	1813.0	1712.1	1439.2	1181.2	994.3	882.2	818.6	792.5	766.3	766.3
37.5°	1940.1	1906.4	1734.5	1342.0	1054.1	874.7	773.8	725.2	680.3	631.7	631.7
40°	2082.1	2037.3	1760.6	1229.8	927.1	758.8	687.8	624.3	579.4	512.1	508.4
42.5°	2231.7	2134.5	1760.6	1095.3	814.9	676.6	609.3	542.0	459.8	418.7	422.4
45°	2422.3	2310.2	1712.1	975.6	702.8	609.3	534.5	448.6	411.2	385.0	385.0
47.5°	2661.5	2485.8	1652.2	844.8	613.0	549.5	456.0	403.7	377.5	355.1	351.4
50°	2945.6	2646.6	1577.5	732.7	538.3	493.4	414.9	373.8	351.4	336.4	336.4
52.5°	3244.7	2882.1	1525.1	631.7	478.5	418.7	385.0	358.9	340.2	329.0	325.2
55°	3547.5	3117.6	1487.8	523.3	422.4	385.0	377.5	355.1	347.6	336.4	329.0
57.5°	3887.6	3312.0	1480.3	448.6	377.5	370.1	385.0	366.3	355.1	343.9	332.7
60°	4254.0	3573.6	1413.0	388.8	355.1	362.6	373.8	355.1	347.6	336.4	329.0
62.5°	4616.6	3768.0	1229.8	343.9	332.7	340.2	355.1	340.2	329.0	332.7	336.4
65°	4766.1	3783.0	953.2	310.3	306.5	310.3	332.7	329.0	317.7	340.2	340.2
67.5°	4616.6	3648.4	672.9	280.4	280.4	299.0	336.4	343.9	332.7	362.6	358.9
70°	4276.4	3315.7	456.0	261.7	269.1	317.7	347.6	340.2	325.2	362.6	355.1
72.5°	3629.7	2654.1	332.7	243.0	254.2	302.8	343.9	336.4	325.2	340.2	325.2
75°	2725.1	1887.7	261.7	220.5	224.3	272.9	355.1	336.4	306.5	299.0	287.8
77.5°	1820.5	1166.3	201.9	194.4	194.4	239.2	340.2	314.0	276.6	265.4	261.7
80°	867.2	467.3	160.7	164.5	168.2	205.6	310.3	280.4	250.5	235.5	235.5
82.5°	276.6	175.7	134.6	134.6	134.6	168.2	257.9	235.5	216.8	205.6	186.9
85°	97.2	97.2	115.9	119.6	108.4	123.4	213.1	201.9	179.4	149.5	145.8
87.5°	37.4	56.1	78.5	93.5	67.3	86.0	153.3	142.0	130.8	97.2	93.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)