

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: P180241

Luminaire Tested: **ICS-F03-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180241
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F03-LED-E1-5XQ-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5983.2 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

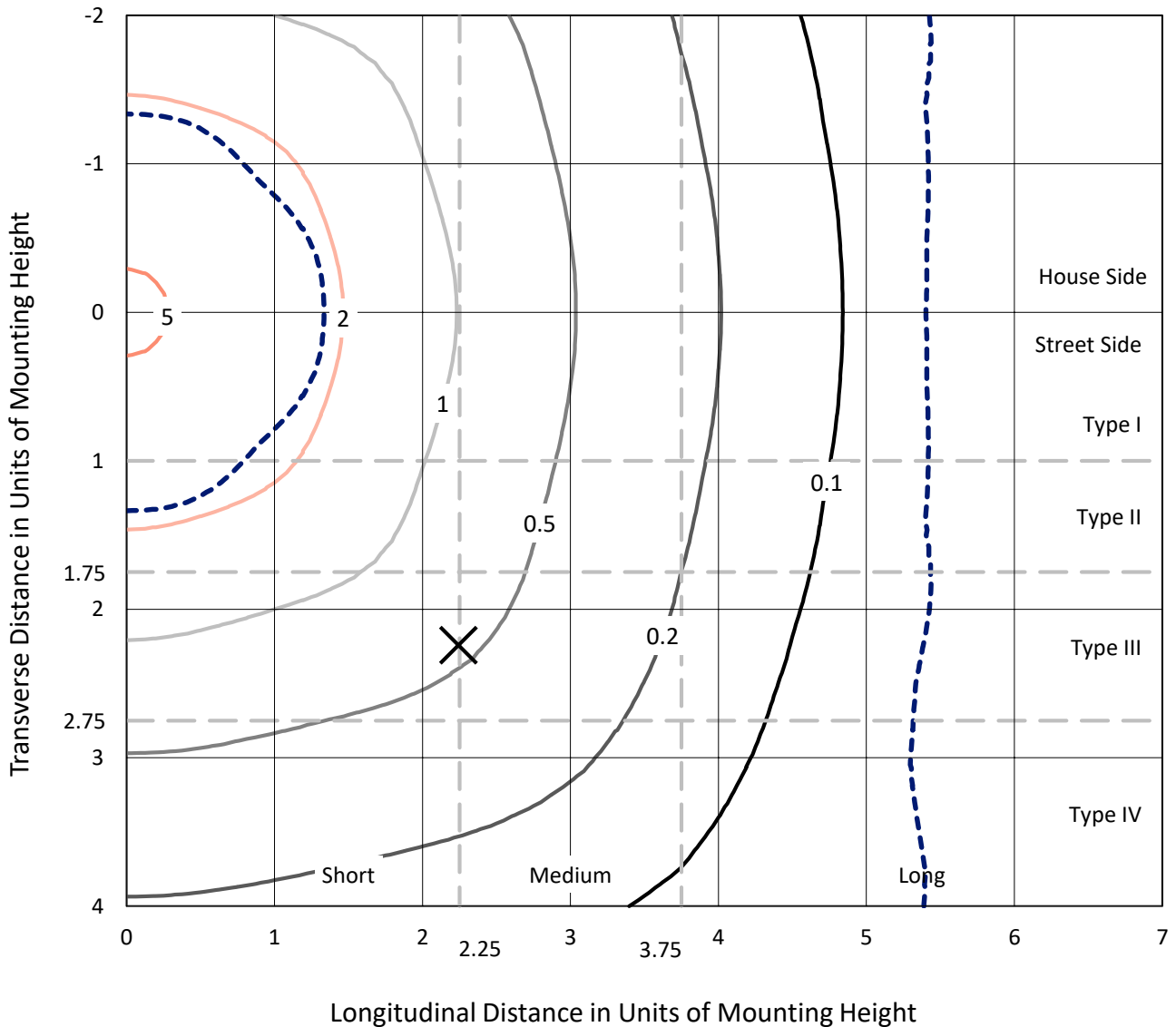
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

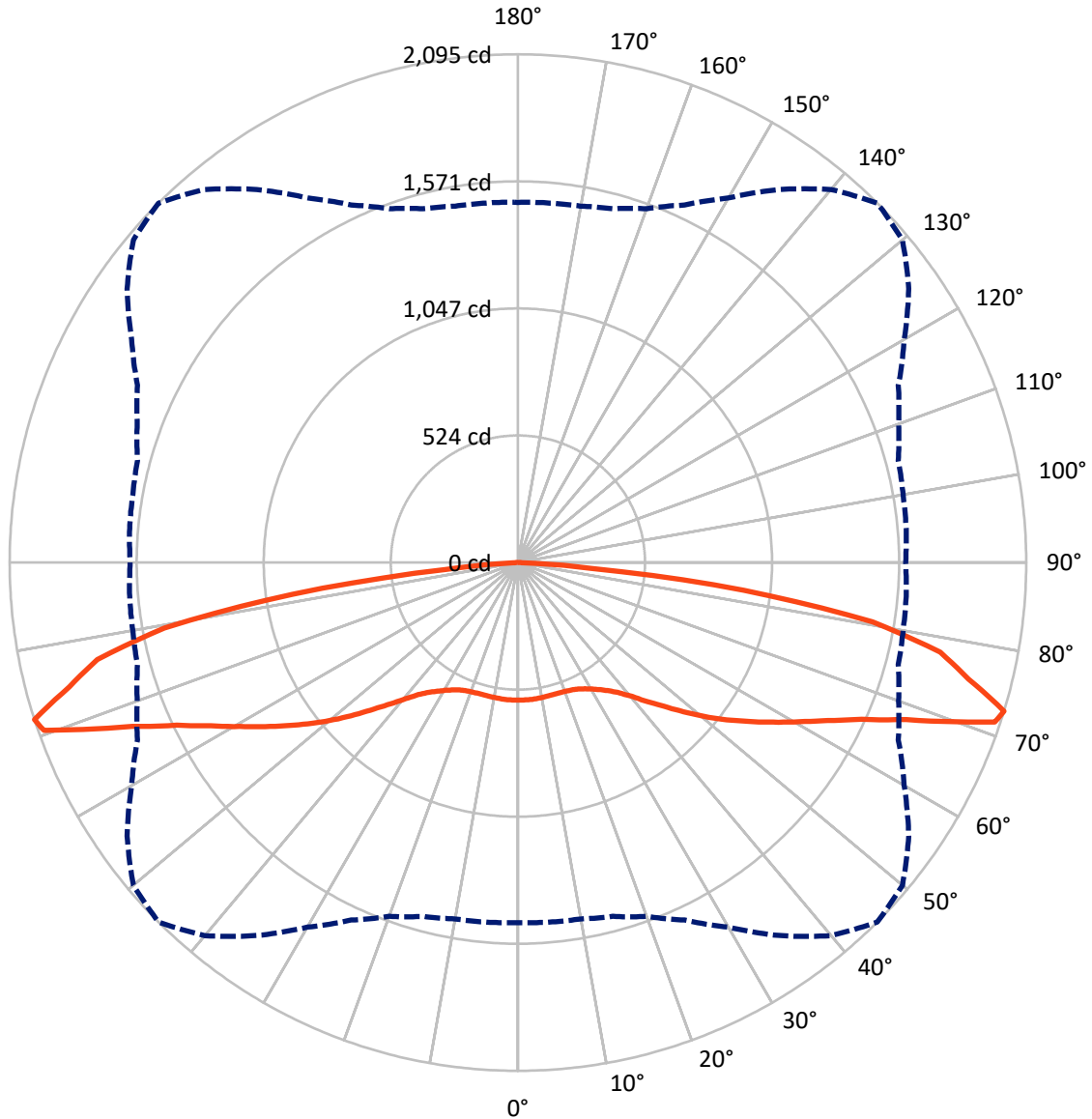
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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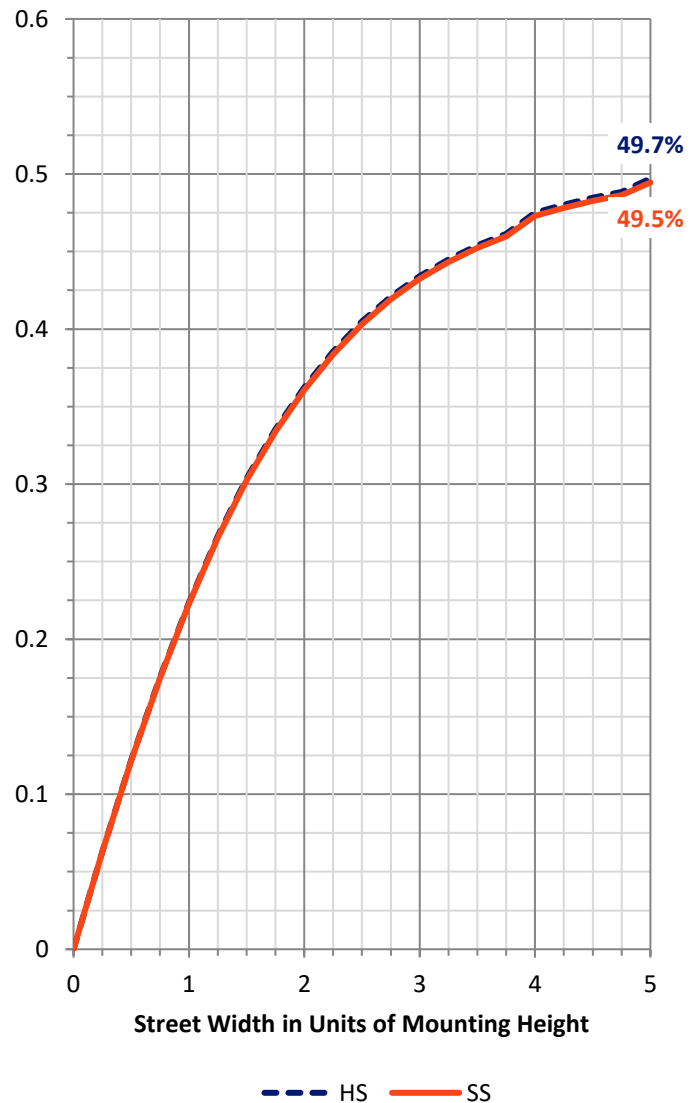
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2991.6	0.0	2991.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2991.6	0.0	2991.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5983.2	0.0	5983.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	0.9
10°-20°	159.8	2.7
20°-30°	267.6	4.5
30°-40°	408.0	6.8
40°-50°	651.5	10.9
50°-60°	1001.7	16.7
60°-70°	1458.5	24.4
70°-80°	1643.0	27.5
80°-90°	339.2	5.7
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°	5983.2	100.0
0°-180°	5983.2	100.0



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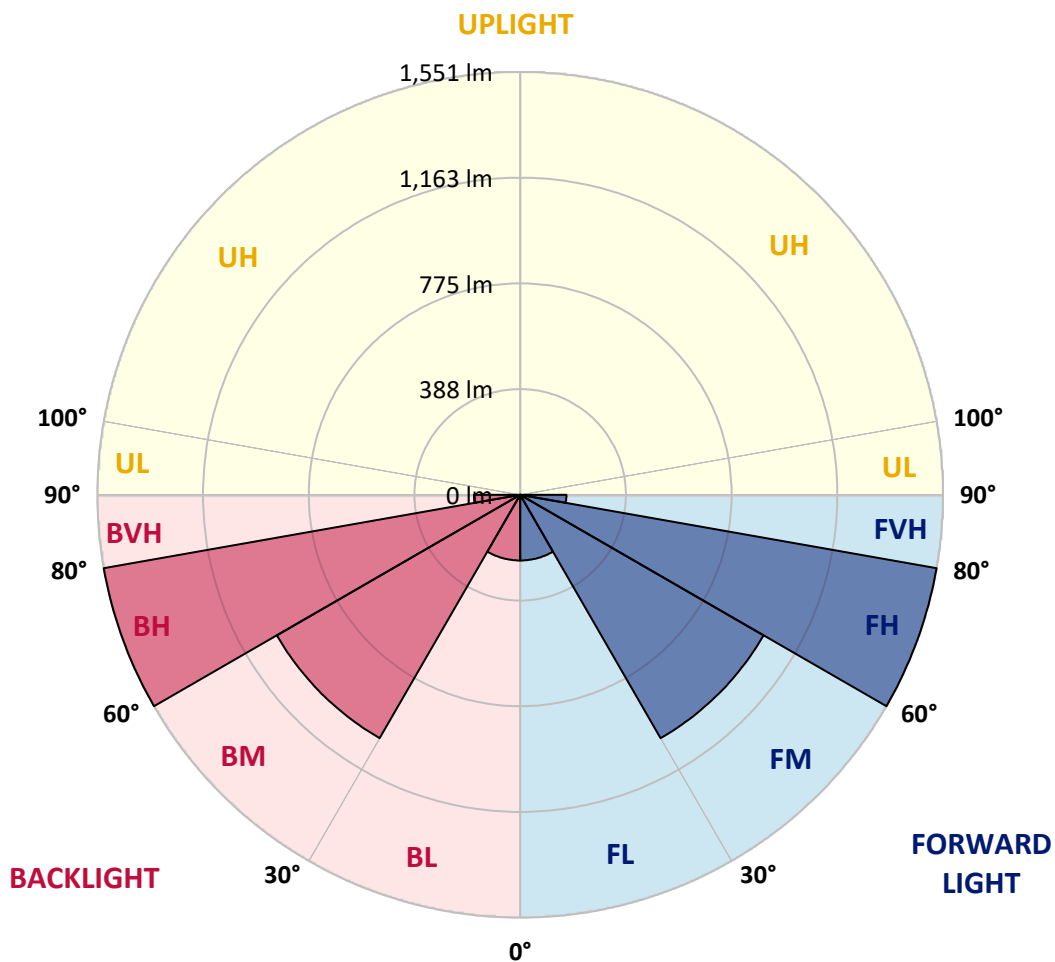
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.7	4.0			
FM	(30°-60°)	1030.6	17.2			
FH	(60°-80°)	1550.7	25.9			G1/1800
FVH	(80°-90°)	169.6	2.8			G2/225
BL	(0°-30°)	240.7	4.0	B1/500		
BM	(30°-60°)	1030.6	17.2	B2/2500		
BH	(60°-80°)	1550.7	25.9	B3/2500		G1/1800
BVH	(80°-90°)	169.6	2.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	567.8	568.2	568.0	567.7	567.8	567.7	567.4	567.2	566.1	566.8	567.7
5°	567.8	567.6	567.4	567.2	567.2	567.7	567.2	566.7	566.6	566.9	566.4
7.5°	567.5	566.9	566.6	566.4	566.6	566.8	566.3	565.7	566.1	565.7	565.0
10°	566.6	566.1	566.3	565.7	565.8	565.7	565.0	564.5	564.8	564.4	563.6
12.5°	566.9	566.2	566.0	565.7	565.5	565.3	564.5	563.8	563.9	563.6	562.8
15°	566.9	566.4	566.2	565.7	565.5	565.2	564.2	563.9	563.9	563.4	562.5
17.5°	567.2	566.9	566.9	566.1	565.8	565.6	564.5	564.1	564.6	563.6	562.9
20°	568.2	567.8	568.0	567.5	566.9	566.9	566.1	565.8	566.0	565.8	564.1
22.5°	570.0	570.0	570.3	570.2	570.0	570.2	569.6	569.6	569.7	569.7	568.3
25°	575.3	575.2	575.5	575.5	575.6	576.8	576.3	576.2	576.9	576.9	575.5
27.5°	585.4	585.1	585.4	585.7	586.5	587.9	587.6	588.1	589.3	589.0	587.8
30°	597.0	596.7	597.5	598.4	599.0	601.2	600.3	602.7	603.7	604.7	603.7
32.5°	613.9	613.9	615.4	616.0	617.4	619.6	619.8	621.8	623.2	624.7	623.7
35°	636.6	636.2	637.3	638.4	640.1	642.2	643.0	645.4	647.7	648.7	646.7
37.5°	671.0	669.3	671.3	672.0	673.3	673.8	676.0	679.2	681.5	681.2	679.8
40°	717.7	717.4	716.6	715.7	717.9	718.7	718.7	722.9	726.7	726.0	725.9
42.5°	772.2	770.8	769.9	769.9	771.2	771.5	776.4	779.4	782.2	782.8	782.1
45°	830.9	829.5	829.8	829.2	829.6	831.7	834.5	840.3	845.3	845.5	842.8
47.5°	894.0	889.6	893.0	888.1	891.1	892.7	899.7	908.2	917.0	918.5	916.2
50°	957.9	957.4	957.1	956.2	957.6	961.0	969.6	983.0	991.4	997.1	993.3
52.5°	1027.8	1025.4	1024.4	1022.8	1024.2	1030.9	1043.0	1054.6	1069.8	1076.2	1071.1
55°	1095.8	1095.1	1091.0	1090.8	1093.8	1104.3	1117.5	1131.8	1148.2	1155.4	1153.6
57.5°	1165.8	1161.2	1160.0	1158.1	1164.0	1173.9	1190.1	1215.8	1232.9	1241.0	1236.3
60°	1234.1	1230.7	1228.0	1227.4	1231.4	1245.3	1268.5	1299.4	1320.5	1331.2	1323.6
62.5°	1307.5	1305.3	1302.2	1298.6	1307.2	1324.9	1353.8	1387.9	1419.1	1432.3	1420.8
65°	1398.8	1394.2	1390.7	1386.2	1393.3	1415.5	1451.7	1499.9	1541.7	1557.1	1548.9
67.5°	1495.0	1490.8	1491.1	1488.2	1500.8	1531.7	1578.4	1643.8	1699.9	1726.1	1710.7
70°	1579.0	1581.4	1582.0	1593.4	1615.1	1662.1	1739.9	1842.3	1927.4	1967.4	1950.9
71°	1554.2	1559.5	1567.4	1579.3	1616.6	1672.3	1778.4	1902.5	2004.1	2071.8	2049.0
72.5°	1484.0	1487.2	1491.2	1509.4	1551.6	1625.3	1734.6	1876.3	2006.8	2094.5	2068.2
75°	1382.4	1385.4	1386.8	1399.5	1437.9	1502.2	1602.2	1728.0	1843.2	1917.8	1910.4
77.5°	1229.1	1229.6	1240.6	1260.2	1303.3	1376.8	1482.2	1612.6	1720.9	1778.9	1742.1
80°	882.6	876.7	888.0	913.2	966.5	1050.8	1158.7	1307.7	1427.9	1482.1	1425.1
82.5°	335.8	354.0	382.7	424.4	442.4	536.2	636.8	724.3	825.6	938.8	910.4
85°	36.0	40.6	51.0	63.2	79.8	110.4	152.5	208.2	256.6	301.7	267.8
87.5°	13.5	13.8	15.4	17.7	18.0	18.8	20.0	23.4	21.8	18.8	15.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	566.9	566.9	566.9	566.9	566.9	566.9	566.9	566.9
2.5°	566.9	567.0	566.9	567.0	567.0	566.4	566.6	566.2
5°	566.7	566.2	566.4	566.6	566.4	566.7	566.3	566.6
7.5°	566.0	565.0	565.3	565.3	565.0	565.5	565.2	565.0
10°	564.4	563.1	563.8	563.4	563.3	563.4	563.4	563.4
12.5°	563.0	562.2	562.3	562.2	562.0	562.5	562.3	562.5
15°	562.7	561.4	561.2	561.0	561.1	561.4	561.4	561.8
17.5°	562.3	560.8	560.6	560.3	560.4	561.1	561.2	561.0
20°	563.3	562.0	561.7	561.4	561.3	562.0	561.9	561.8
22.5°	567.7	566.1	566.0	564.7	564.2	564.7	564.4	564.4
25°	574.7	572.8	572.2	570.5	569.2	569.2	568.8	568.4
27.5°	587.4	584.6	584.0	582.6	580.9	581.2	580.2	580.0
30°	602.2	599.7	597.4	595.4	593.4	592.6	591.5	591.4
32.5°	621.4	618.6	616.0	613.4	610.7	609.5	607.7	606.8
35°	645.1	641.4	638.2	636.5	633.7	632.3	631.0	632.4
37.5°	678.2	673.6	672.1	670.0	668.2	666.0	666.4	666.0
40°	724.0	719.9	718.3	714.7	714.3	711.7	713.3	711.8
42.5°	780.6	773.0	772.0	769.2	768.2	766.8	767.4	766.4
45°	842.2	835.4	834.2	829.6	829.8	826.5	827.8	827.8
47.5°	911.5	904.4	898.6	895.3	894.1	892.0	893.2	893.0
50°	983.0	973.4	967.0	960.6	957.7	958.5	956.3	960.1
52.5°	1059.8	1045.5	1036.4	1030.3	1025.0	1026.1	1026.4	1027.5
55°	1139.3	1121.1	1107.9	1099.9	1095.0	1095.4	1096.8	1098.0
57.5°	1219.2	1196.5	1178.6	1166.7	1163.6	1165.0	1165.0	1164.8
60°	1302.2	1274.9	1251.8	1238.4	1235.5	1234.8	1240.8	1238.8
62.5°	1391.2	1358.4	1334.6	1317.4	1313.3	1316.1	1321.6	1320.4
65°	1509.2	1464.0	1433.2	1416.1	1409.2	1412.0	1419.4	1419.1
67.5°	1661.5	1598.2	1557.6	1535.6	1530.6	1534.0	1538.1	1542.0
70°	1889.1	1798.7	1740.6	1693.2	1672.8	1668.8	1672.9	1673.1
71°	1969.2	1865.3	1773.0	1715.0	1681.6	1667.4	1668.6	1661.5
72.5°	1966.0	1837.8	1729.8	1669.2	1622.8	1611.5	1606.0	1597.6
75°	1833.4	1718.1	1624.4	1558.2	1513.5	1500.2	1490.5	1489.9
77.5°	1662.7	1577.6	1474.3	1404.2	1349.8	1327.7	1317.8	1317.6
80°	1336.6	1209.2	1133.6	1091.4	1025.8	1006.8	986.8	979.2
82.5°	808.3	631.6	513.6	456.4	424.7	349.7	313.9	296.9
85°	188.3	133.7	92.2	60.5	43.6	34.6	26.6	23.5
87.5°	12.7	10.0	8.9	7.2	5.5	5.3	3.3	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)