

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: P675458

Luminaire Tested: **CCW-SA-1E-830-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675458
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-830-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL2 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

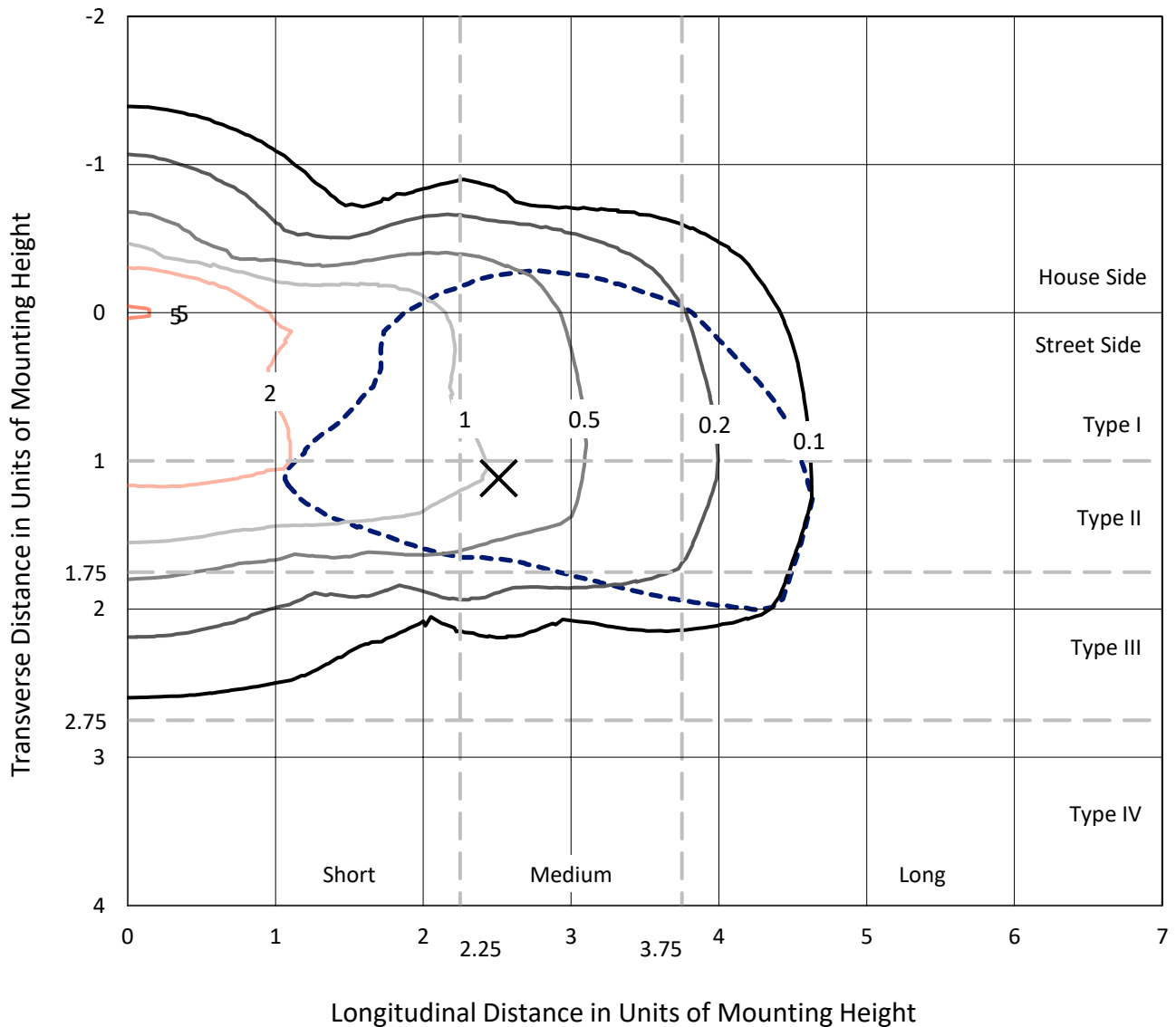
Lumens per Lamp: N/A
Luminaire Lumens: 5376.7 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

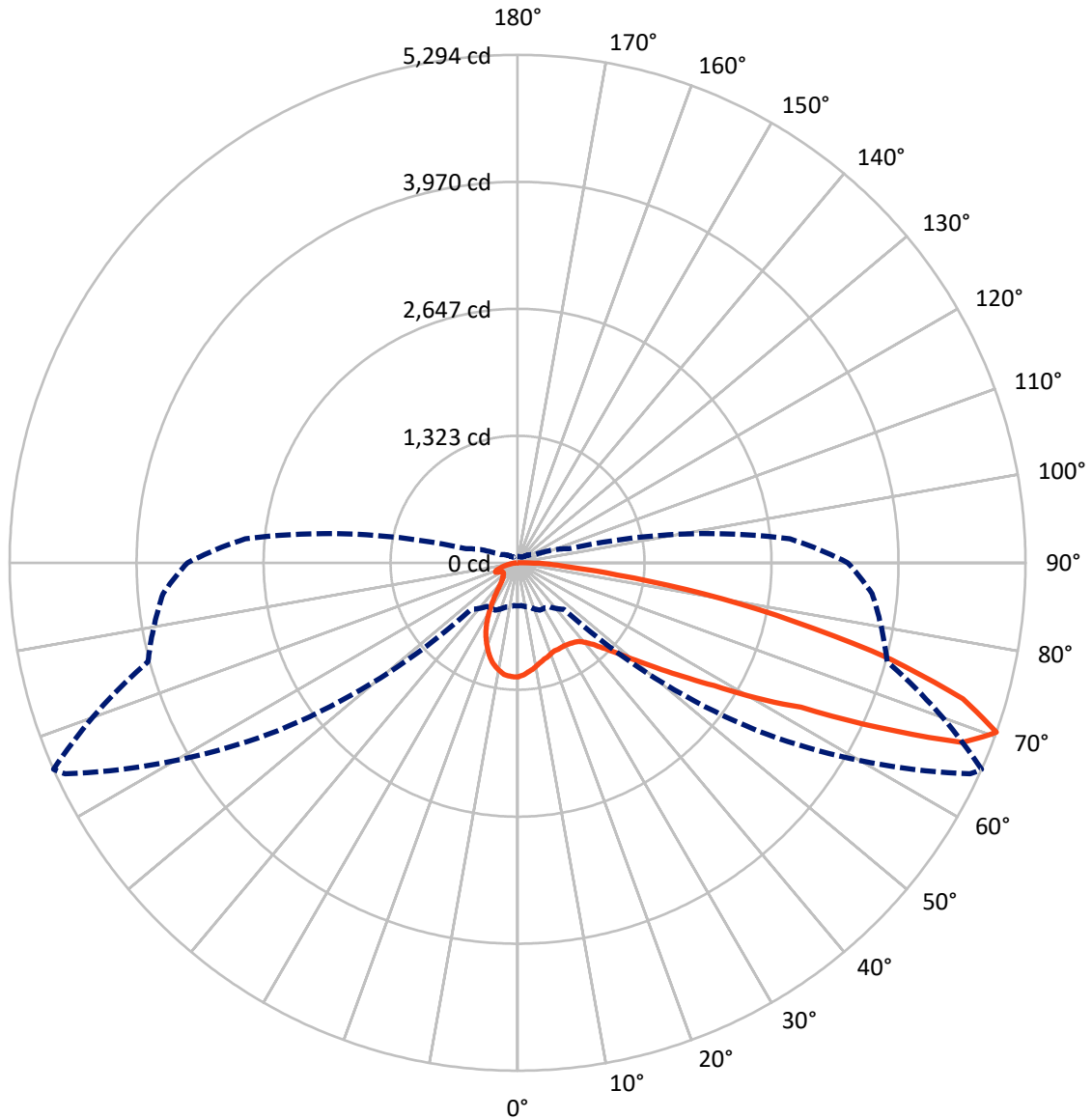
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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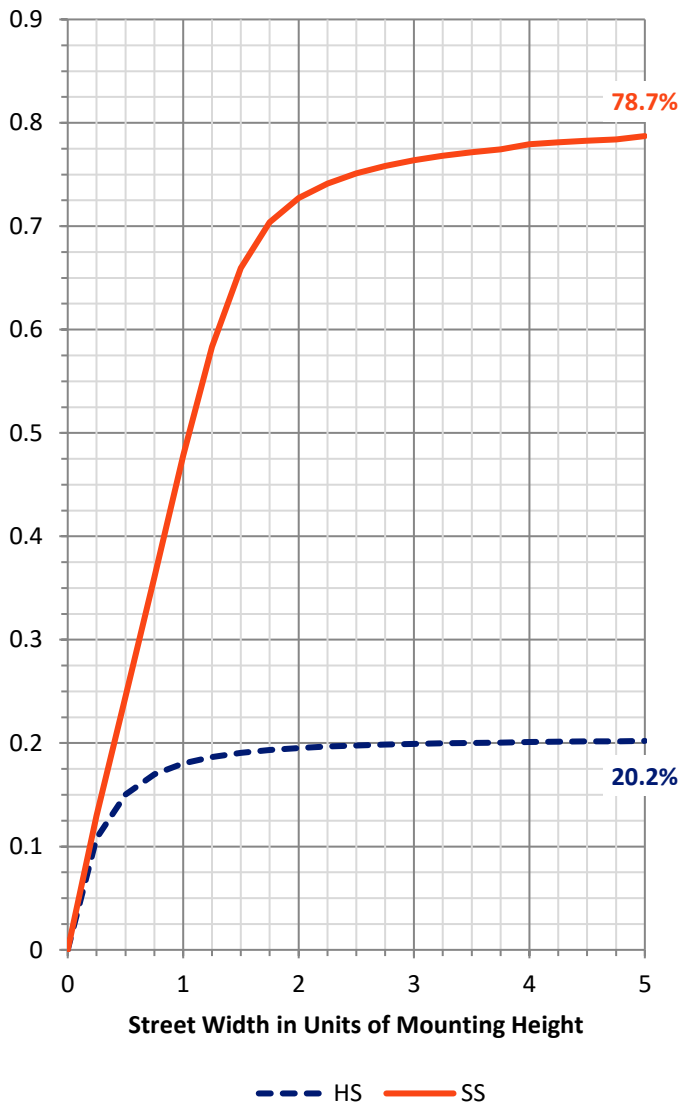
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.6	0.0	1100.6
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4276.2	0.0	4276.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	5376.7	0.0	5376.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	2.0
10°-20°	258.6	4.8
20°-30°	355.1	6.6
30°-40°	476.1	8.9
40°-50°	690.8	12.8
50°-60°	1050.0	19.5
60°-70°	1296.8	24.1
70°-80°	964.4	17.9
80°-90°	179.9	3.3
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°	5376.7	100.0
0°-180°	5376.7	100.0

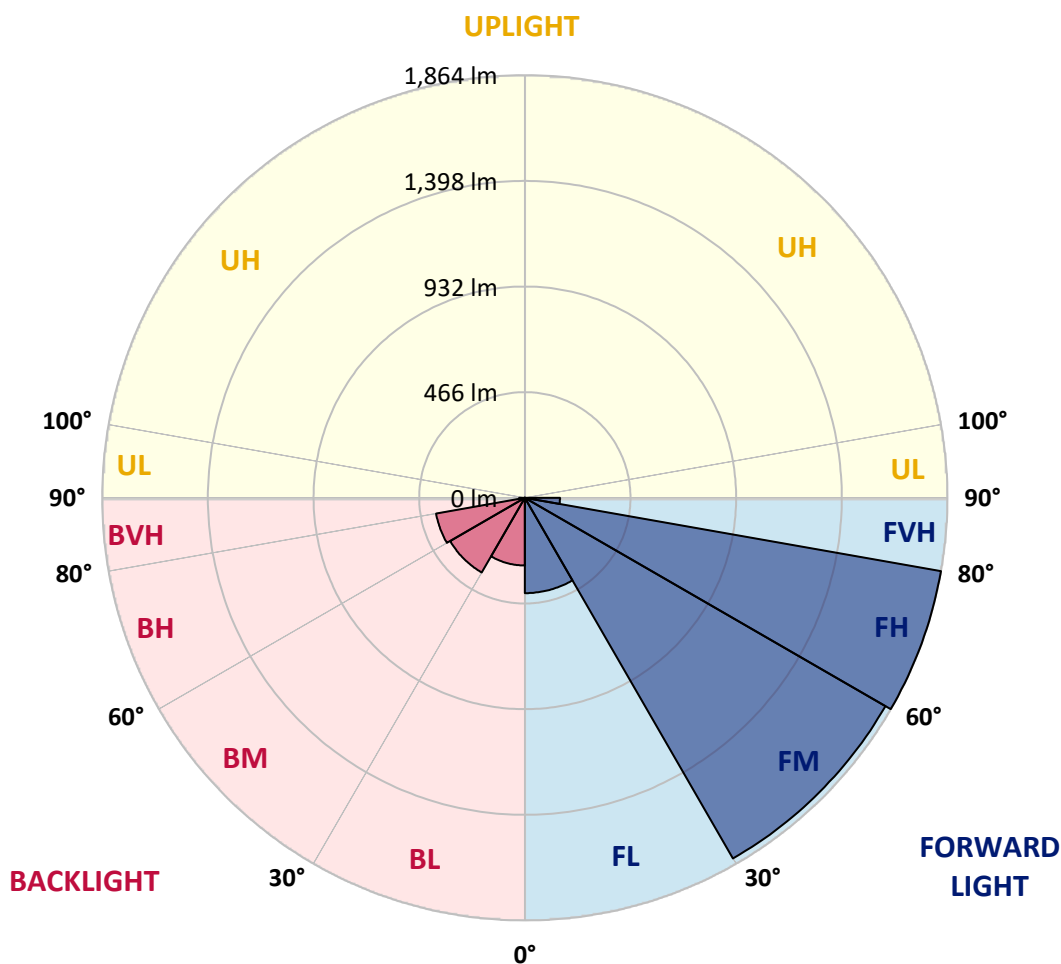


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.4	7.8			
FM (30°-60°)	1836.8	34.2			
FH (60°-80°)	1863.9	34.7			G2/5000
FVH (80°-90°)	155.1	2.9			G2/225
BL (0°-30°)	298.3	5.5	B1/500		
BM (30°-60°)	380.2	7.1	B1/1000		
BH (60°-80°)	397.3	7.4	B1/500		G1/500
BVH (80°-90°)	24.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9
2.5°	1129.9	1135.9	1137.9	1141.9	1151.9	1159.9	1171.9	1177.9	1171.9	1179.9	1179.9
5°	1051.9	1043.9	1063.9	1071.9	1083.9	1099.9	1127.9	1149.9	1143.9	1167.9	1187.9
7.5°	985.9	985.9	991.9	1009.9	1023.9	1047.9	1077.9	1111.9	1121.9	1153.9	1183.9
10°	925.9	933.9	933.9	961.9	969.9	997.9	1047.9	1089.9	1091.9	1145.9	1187.9
12.5°	893.9	889.9	909.9	917.9	941.9	969.9	1009.9	1061.9	1063.9	1121.9	1179.9
15°	867.9	871.9	881.9	901.9	923.9	945.9	983.9	1031.9	1041.9	1109.9	1175.9
17.5°	869.9	871.9	871.9	885.9	903.9	929.9	965.9	1021.9	1027.9	1093.9	1169.9
20°	881.9	873.9	879.9	885.9	897.9	921.9	951.9	999.9	1005.9	1091.9	1183.9
22.5°	907.9	901.9	899.9	897.9	895.9	909.9	947.9	987.9	993.9	1081.9	1189.9
25°	949.9	947.9	933.9	919.9	909.9	909.9	939.9	997.9	995.9	1081.9	1193.9
27.5°	999.9	999.9	997.9	971.9	941.9	925.9	945.9	993.9	991.9	1081.9	1203.9
30°	1067.9	1067.9	1061.9	1037.9	983.9	937.9	949.9	989.9	995.9	1073.9	1195.9
32.5°	1141.9	1139.9	1145.9	1123.9	1067.9	993.9	973.9	997.9	1003.9	1081.9	1197.9
35°	1195.9	1207.9	1227.9	1207.9	1151.9	1051.9	1007.9	1013.9	1017.9	1083.9	1205.9
37.5°	1257.9	1271.9	1299.9	1315.9	1255.9	1139.9	1061.9	1039.9	1039.9	1109.9	1207.9
40°	1347.9	1333.9	1381.9	1409.9	1385.9	1247.9	1145.9	1087.9	1089.9	1143.9	1233.9
42.5°	1413.9	1427.9	1477.8	1527.8	1497.8	1379.9	1237.9	1165.9	1165.9	1193.9	1273.9
45°	1487.8	1503.8	1573.8	1633.8	1655.8	1537.8	1363.9	1277.9	1273.9	1291.9	1345.9
47.5°	1569.8	1591.8	1671.8	1741.8	1799.8	1701.8	1525.8	1413.9	1411.9	1425.9	1465.8
50°	1663.8	1671.8	1737.8	1865.8	1981.8	1919.8	1723.8	1605.8	1595.8	1601.8	1655.8
52.5°	1691.8	1685.8	1761.8	1899.8	2111.8	2185.8	1993.8	1823.8	1819.8	1805.8	1875.8
55°	1589.8	1609.8	1683.8	1859.8	2217.8	2499.7	2289.8	2121.8	2085.8	2047.8	2131.8
57.5°	1385.9	1387.9	1471.8	1679.8	2135.8	2759.7	2791.7	2413.8	2415.8	2313.8	2409.8
60°	1077.9	1071.9	1137.9	1325.9	1901.8	2839.7	3339.7	2879.7	2859.7	2579.7	2667.7
62.5°	777.9	765.9	779.9	889.9	1421.9	2717.7	3877.6	3401.6	3317.7	2851.7	2919.7
65°	639.9	645.9	651.9	657.9	797.9	2241.8	4043.6	4253.6	4141.6	3169.7	3197.7
67.5°	529.9	533.9	559.9	595.9	591.9	1323.9	3851.6	5041.5	4999.5	3563.6	3437.6
70°	450.0	448.0	478.0	543.9	553.9	687.9	3049.7	5203.5	5293.5	3987.6	3709.6
72.5°	360.0	364.0	390.0	478.0	543.9	579.9	1755.8	4855.5	4853.5	4313.6	3563.6
75°	258.0	258.0	294.0	396.0	525.9	573.9	971.9	3941.6	4015.6	4053.6	3091.7
77.5°	170.0	178.0	206.0	296.0	493.9	561.9	615.9	2865.7	2957.7	3031.7	2365.8
80°	116.0	120.0	138.0	206.0	418.0	565.9	503.9	1927.8	1963.8	1673.8	959.9
82.5°	70.0	72.0	92.0	144.0	300.0	537.9	474.0	1063.9	1041.9	505.9	276.0
85°	38.0	40.0	58.0	96.0	198.0	470.0	466.0	521.9	485.9	186.0	116.0
87.5°	14.0	14.0	26.0	48.0	114.0	322.0	406.0	310.0	290.0	94.0	54.0
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°	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9	1187.9
2.5°	1189.9	1189.9	1189.9	1189.9	1187.9	1179.9	1185.9	1183.9	1171.9	1173.9	1165.9
5°	1185.9	1195.9	1189.9	1181.9	1171.9	1147.9	1139.9	1133.9	1117.9	1111.9	1117.9
7.5°	1195.9	1187.9	1183.9	1169.9	1129.9	1107.9	1079.9	1045.9	1021.9	1015.9	1021.9
10°	1193.9	1193.9	1175.9	1135.9	1097.9	1033.9	997.9	937.9	903.9	893.9	895.9
12.5°	1185.9	1191.9	1163.9	1099.9	1027.9	949.9	883.9	819.9	759.9	735.9	731.9
15°	1193.9	1187.9	1137.9	1055.9	955.9	847.9	751.9	657.9	601.9	565.9	557.9
17.5°	1181.9	1175.9	1103.9	995.9	861.9	723.9	603.9	501.9	446.0	432.0	432.0
20°	1195.9	1157.9	1063.9	923.9	763.9	587.9	452.0	376.0	362.0	362.0	366.0
22.5°	1193.9	1153.9	1029.9	853.9	645.9	444.0	336.0	314.0	316.0	332.0	330.0
25°	1181.9	1145.9	981.9	775.9	521.9	334.0	278.0	272.0	286.0	304.0	302.0
27.5°	1179.9	1123.9	937.9	683.9	398.0	264.0	242.0	242.0	256.0	272.0	270.0
30°	1167.9	1105.9	883.9	579.9	300.0	230.0	222.0	222.0	228.0	236.0	236.0
32.5°	1165.9	1081.9	823.9	472.0	240.0	208.0	204.0	206.0	206.0	210.0	208.0
35°	1149.9	1049.9	761.9	366.0	208.0	196.0	192.0	190.0	190.0	188.0	188.0
37.5°	1143.9	1029.9	697.9	284.0	194.0	186.0	182.0	176.0	174.0	174.0	172.0
40°	1149.9	1009.9	635.9	230.0	182.0	178.0	172.0	164.0	162.0	162.0	162.0
42.5°	1171.9	1007.9	571.9	200.0	176.0	170.0	162.0	154.0	152.0	154.0	152.0
45°	1221.9	1023.9	509.9	186.0	168.0	162.0	152.0	146.0	144.0	146.0	146.0
47.5°	1303.9	1067.9	454.0	178.0	162.0	154.0	144.0	138.0	138.0	138.0	138.0
50°	1439.9	1151.9	400.0	172.0	158.0	148.0	138.0	130.0	128.0	128.0	130.0
52.5°	1643.8	1295.9	356.0	168.0	152.0	140.0	130.0	124.0	120.0	118.0	120.0
55°	1889.8	1505.8	342.0	164.0	144.0	134.0	124.0	116.0	112.0	112.0	110.0
57.5°	2153.8	1737.8	366.0	160.0	138.0	126.0	116.0	108.0	104.0	102.0	102.0
60°	2439.7	2011.8	454.0	158.0	132.0	118.0	108.0	102.0	96.0	94.0	94.0
62.5°	2699.7	2259.8	611.9	156.0	128.0	110.0	100.0	92.0	88.0	86.0	86.0
65°	2995.7	2535.7	765.9	164.0	126.0	104.0	92.0	84.0	80.0	78.0	78.0
67.5°	3253.7	2775.7	855.9	184.0	132.0	96.0	82.0	76.0	74.0	72.0	72.0
70°	3441.6	2849.7	573.9	202.0	142.0	90.0	74.0	70.0	66.0	66.0	66.0
72.5°	3189.7	2543.7	340.0	190.0	134.0	84.0	66.0	62.0	60.0	60.0	58.0
75°	2727.7	2165.8	262.0	154.0	108.0	72.0	58.0	54.0	52.0	52.0	50.0
77.5°	2013.8	1551.8	194.0	122.0	84.0	58.0	50.0	48.0	46.0	44.0	44.0
80°	787.9	679.9	132.0	90.0	62.0	46.0	42.0	40.0	38.0	36.0	36.0
82.5°	244.0	206.0	76.0	60.0	44.0	36.0	34.0	32.0	30.0	28.0	28.0
85°	106.0	102.0	50.0	38.0	30.0	24.0	24.0	22.0	20.0	18.0	18.0
87.5°	52.0	50.0	28.0	18.0	16.0	12.0	12.0	10.0	8.0	8.0	8.0
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)