

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: P675402

Luminaire Tested: **CCW-SA-1D-735-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675402
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-735-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

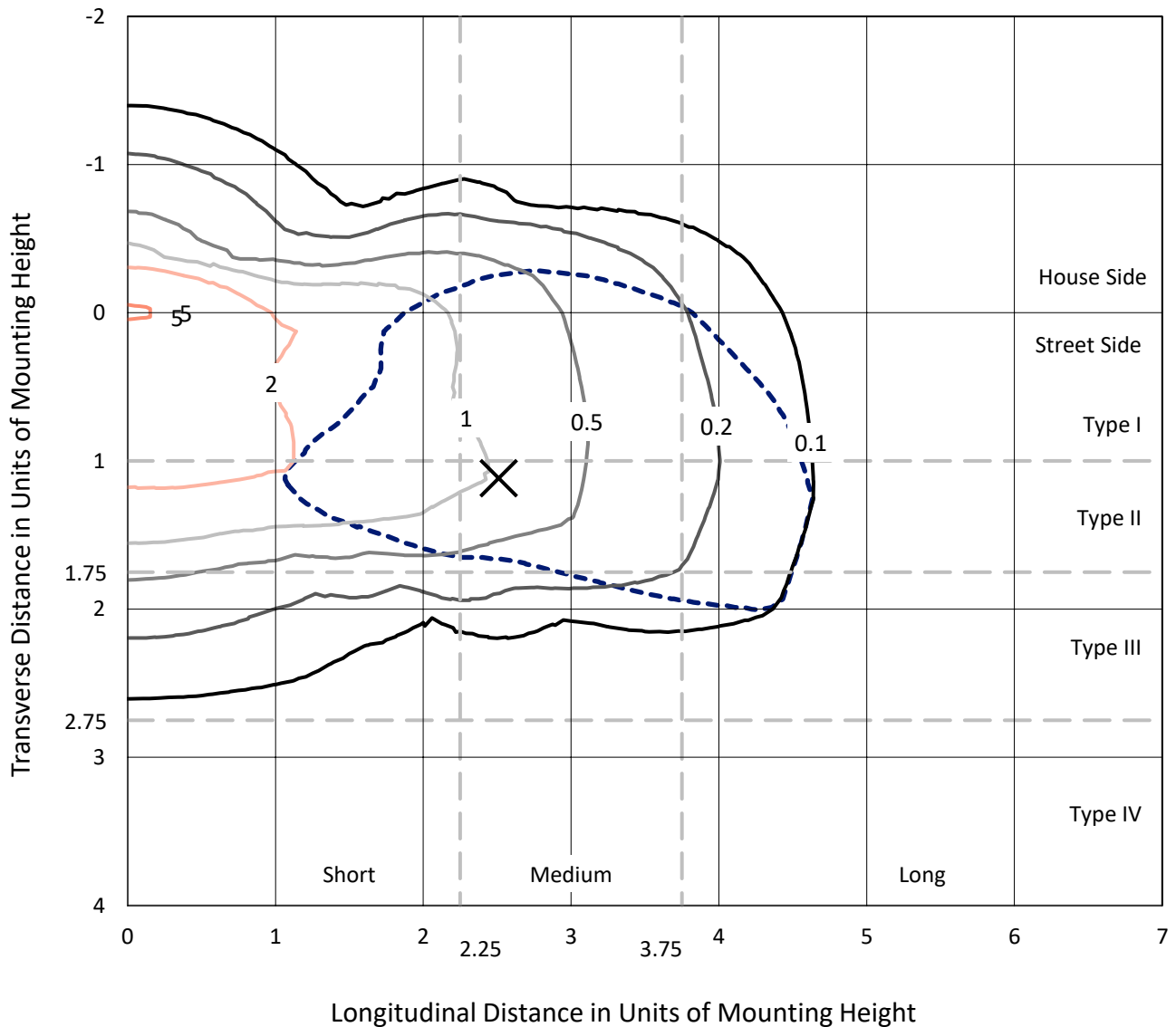
Lumens per Lamp: N/A
Luminaire Lumens: 5443.8 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

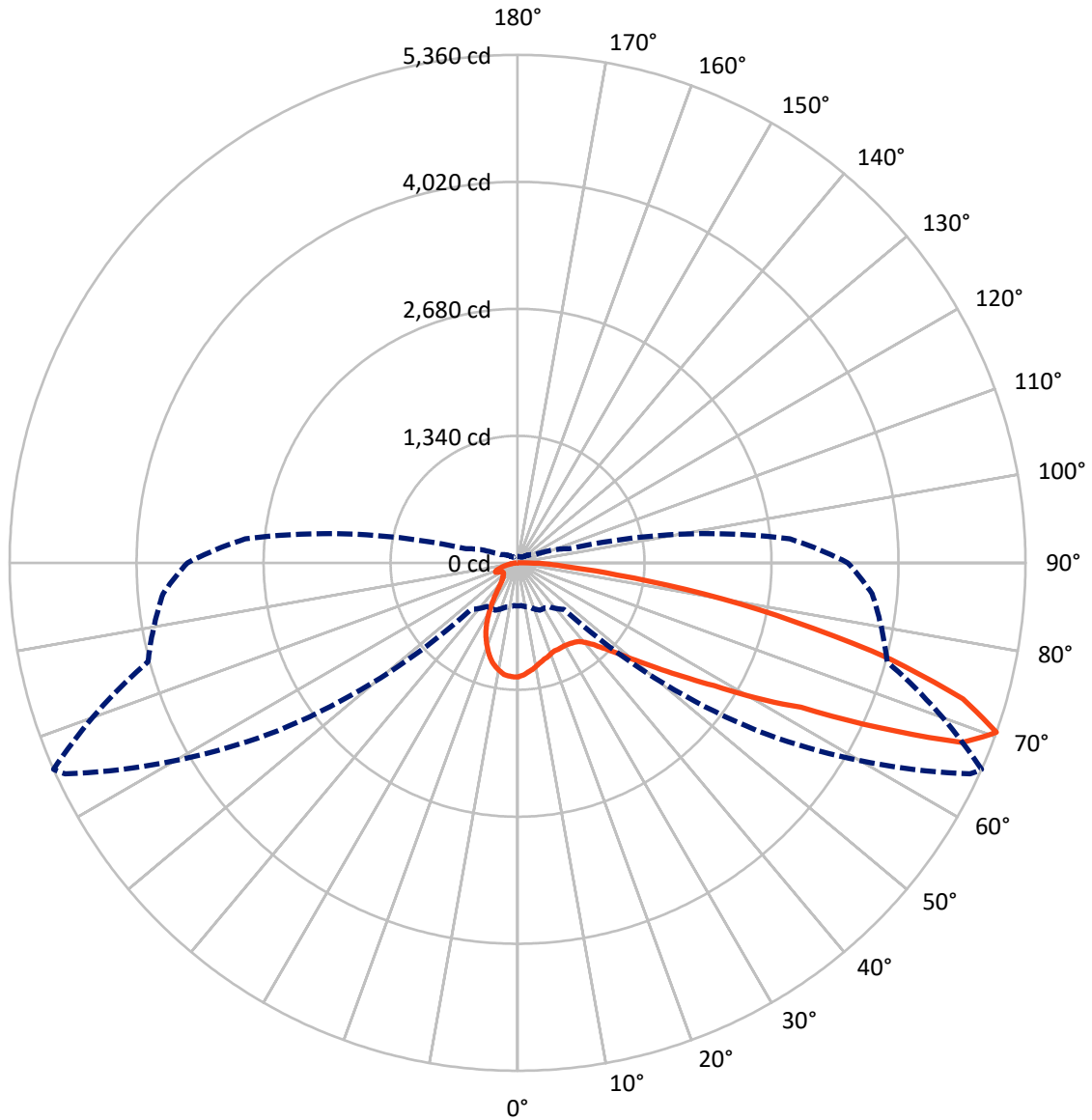
× Max cd
 - - - 1/2 Max cd



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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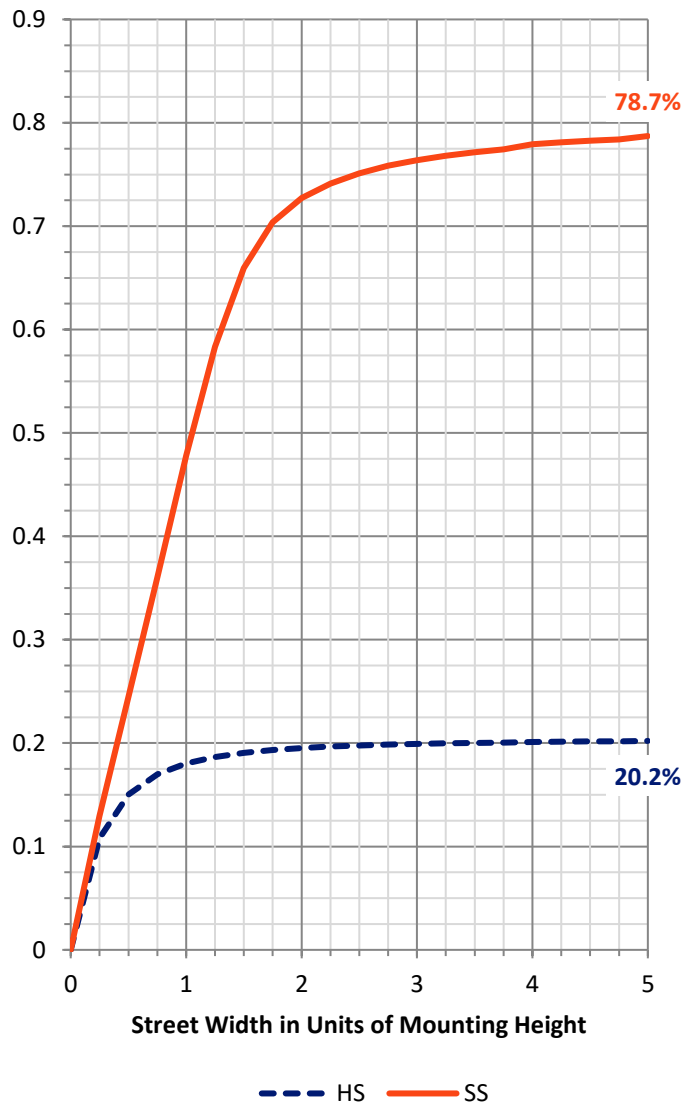
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1114.3	0.0	1114.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4329.5	0.0	4329.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	5443.8	0.0	5443.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	2.0
10°-20°	261.8	4.8
20°-30°	359.5	6.6
30°-40°	482.0	8.9
40°-50°	699.4	12.8
50°-60°	1063.1	19.5
60°-70°	1313.0	24.1
70°-80°	976.4	17.9
80°-90°	182.1	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°	5443.8	100.0
0°-180°	5443.8	100.0

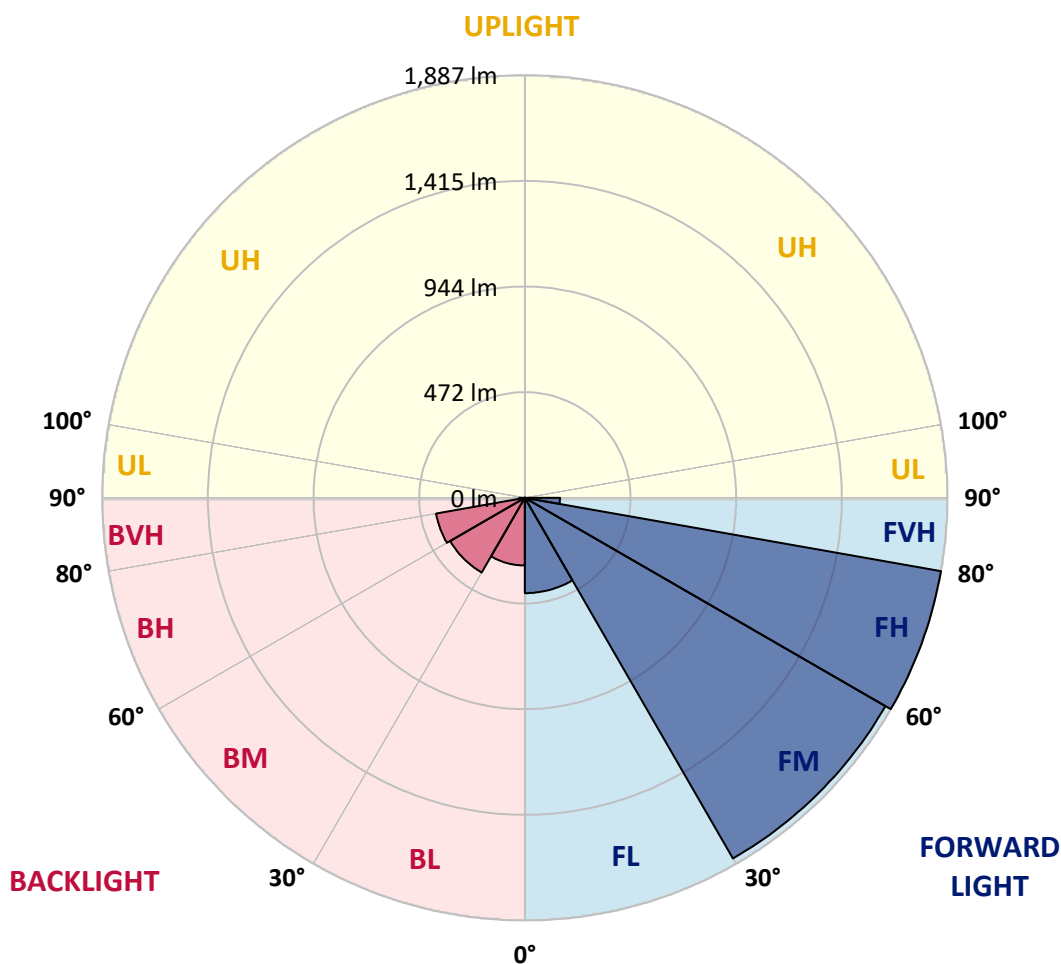


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.7	7.8			
FM (30°-60°)	1859.7	34.2			
FH (60°-80°)	1887.2	34.7			G2/5000
FVH (80°-90°)	157.0	2.9			G2/225
BL (0°-30°)	302.0	5.5	B1/500		
BM (30°-60°)	384.9	7.1	B1/1000		
BH (60°-80°)	402.2	7.4	B1/500		G1/500
BVH (80°-90°)	25.1	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°	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7
2.5°	1144.0	1150.1	1152.1	1156.1	1166.3	1174.4	1186.5	1192.6	1186.5	1194.6	1194.6
5°	1065.0	1056.9	1077.2	1085.3	1097.4	1113.6	1142.0	1164.2	1158.2	1182.5	1202.7
7.5°	998.2	998.2	1004.3	1022.5	1036.7	1061.0	1091.3	1125.8	1135.9	1168.3	1198.6
10°	937.5	945.6	945.6	973.9	982.0	1010.3	1061.0	1103.5	1105.5	1160.2	1202.7
12.5°	905.1	901.0	921.3	929.4	953.7	982.0	1022.5	1075.1	1077.2	1135.9	1194.6
15°	878.7	882.8	892.9	913.2	935.4	957.7	996.2	1044.8	1054.9	1123.7	1190.5
17.5°	880.8	882.8	882.8	897.0	915.2	941.5	978.0	1034.6	1040.7	1107.5	1184.5
20°	892.9	884.8	890.9	897.0	909.1	933.4	963.8	1012.4	1018.4	1105.5	1198.6
22.5°	919.2	913.2	911.1	909.1	907.1	921.3	959.7	1000.2	1006.3	1095.4	1204.7
25°	961.8	959.7	945.6	931.4	921.3	921.3	951.6	1010.3	1008.3	1095.4	1208.8
27.5°	1012.4	1012.4	1010.3	984.0	953.7	937.5	957.7	1006.3	1004.3	1095.4	1218.9
30°	1081.2	1081.2	1075.1	1050.8	996.2	949.6	961.8	1002.2	1008.3	1087.3	1210.8
32.5°	1156.1	1154.1	1160.2	1137.9	1081.2	1006.3	986.1	1010.3	1016.4	1095.4	1212.8
35°	1210.8	1222.9	1243.2	1222.9	1166.3	1065.0	1020.5	1026.5	1030.6	1097.4	1220.9
37.5°	1273.6	1287.7	1316.1	1332.3	1271.5	1154.1	1075.1	1052.9	1052.9	1123.7	1222.9
40°	1364.7	1350.5	1399.1	1427.4	1403.1	1263.4	1160.2	1101.5	1103.5	1158.2	1249.3
42.5°	1431.5	1445.7	1496.3	1546.9	1516.5	1397.1	1253.3	1180.4	1180.4	1208.8	1289.8
45°	1506.4	1522.6	1593.5	1654.2	1676.5	1557.0	1380.9	1293.8	1289.8	1308.0	1362.7
47.5°	1589.4	1611.7	1692.7	1763.6	1822.3	1723.1	1544.9	1431.5	1429.5	1443.6	1484.1
50°	1684.6	1692.7	1759.5	1889.1	2006.5	1943.8	1745.3	1625.9	1615.7	1621.8	1676.5
52.5°	1712.9	1706.9	1783.8	1923.5	2138.1	2213.0	2018.7	1846.6	1842.5	1828.3	1899.2
55°	1609.7	1629.9	1704.8	1883.0	2245.4	2530.9	2318.3	2148.3	2111.8	2073.3	2158.4
57.5°	1403.1	1405.2	1490.2	1700.8	2162.4	2794.1	2826.5	2443.9	2445.9	2342.6	2439.8
60°	1091.3	1085.3	1152.1	1342.4	1925.5	2875.1	3381.3	2915.6	2895.4	2611.9	2701.0
62.5°	787.6	775.5	789.7	901.0	1439.6	2751.6	3926.0	3444.1	3359.1	2887.3	2956.1
65°	647.9	654.0	660.1	666.1	807.9	2269.7	4094.0	4306.6	4193.2	3209.2	3237.6
67.5°	536.6	540.6	566.9	603.4	599.3	1340.4	3899.7	5104.4	5061.9	3608.1	3480.5
70°	455.6	453.5	483.9	550.7	560.9	696.5	3087.7	5268.4	5359.5	4037.3	3755.9
72.5°	364.5	368.5	394.8	483.9	550.7	587.2	1777.7	4916.1	4914.1	4367.4	3608.1
75°	261.2	261.2	297.6	400.9	532.5	581.1	984.0	3990.8	4065.7	4104.2	3130.3
77.5°	172.1	180.2	208.5	299.7	500.1	569.0	623.6	2901.5	2994.6	3069.5	2395.3
80°	117.4	121.5	139.7	208.5	423.2	573.0	510.2	1951.9	1988.3	1694.7	971.9
82.5°	70.9	72.9	93.1	145.8	303.7	544.7	479.9	1077.2	1054.9	512.3	279.4
85°	38.5	40.5	58.7	97.2	200.4	475.8	471.8	528.5	492.0	188.3	117.4
87.5°	14.2	14.2	26.3	48.6	115.4	326.0	411.0	313.8	293.6	95.2	54.7
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°	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7
2.5°	1204.7	1204.7	1204.7	1204.7	1202.7	1194.6	1200.7	1198.6	1186.5	1188.5	1180.4
5°	1200.7	1210.8	1204.7	1196.6	1186.5	1162.2	1154.1	1148.0	1131.8	1125.8	1131.8
7.5°	1210.8	1202.7	1198.6	1184.5	1144.0	1121.7	1093.4	1058.9	1034.6	1028.6	1034.6
10°	1208.8	1208.8	1190.5	1150.1	1111.6	1046.8	1010.3	949.6	915.2	905.1	907.1
12.5°	1200.7	1206.7	1178.4	1113.6	1040.7	961.8	894.9	830.1	769.4	745.1	741.1
15°	1208.8	1202.7	1152.1	1069.1	967.8	858.5	761.3	666.1	609.4	573.0	564.9
17.5°	1196.6	1190.5	1117.7	1008.3	872.7	733.0	611.5	508.2	451.5	437.3	437.3
20°	1210.8	1172.3	1077.2	935.4	773.5	595.3	457.6	380.7	366.5	366.5	370.5
22.5°	1208.8	1168.3	1042.7	864.6	654.0	449.5	340.2	317.9	319.9	336.1	334.1
25°	1196.6	1160.2	994.1	785.6	528.5	338.1	281.4	275.4	289.5	307.8	305.7
27.5°	1194.6	1137.9	949.6	692.5	402.9	267.3	245.0	245.0	259.2	275.4	273.3
30°	1182.5	1119.7	894.9	587.2	303.7	232.8	224.7	224.7	230.8	238.9	238.9
32.5°	1180.4	1095.4	834.2	477.8	243.0	210.6	206.5	208.5	208.5	212.6	210.6
35°	1164.2	1063.0	771.4	370.5	210.6	198.4	194.4	192.4	192.4	190.3	190.3
37.5°	1158.2	1042.7	706.6	287.5	196.4	188.3	184.3	178.2	176.2	176.2	174.1
40°	1164.2	1022.5	643.9	232.8	184.3	180.2	174.1	166.0	164.0	164.0	164.0
42.5°	1186.5	1020.5	579.1	202.5	178.2	172.1	164.0	155.9	153.9	155.9	153.9
45°	1237.1	1036.7	516.3	188.3	170.1	164.0	153.9	147.8	145.8	147.8	147.8
47.5°	1320.1	1081.2	459.6	180.2	164.0	155.9	145.8	139.7	139.7	139.7	139.7
50°	1457.8	1166.3	404.9	174.1	160.0	149.8	139.7	131.6	129.6	129.6	131.6
52.5°	1664.3	1312.0	360.4	170.1	153.9	141.7	131.6	125.5	121.5	119.5	121.5
55°	1913.4	1524.6	346.2	166.0	145.8	135.7	125.5	117.4	113.4	113.4	111.4
57.5°	2180.7	1759.5	370.5	162.0	139.7	127.6	117.4	109.3	105.3	103.3	103.3
60°	2470.2	2036.9	459.6	160.0	133.6	119.5	109.3	103.3	97.2	95.2	95.2
62.5°	2733.4	2288.0	619.6	157.9	129.6	111.4	101.2	93.1	89.1	87.1	87.1
65°	3033.1	2567.4	775.5	166.0	127.6	105.3	93.1	85.0	81.0	79.0	79.0
67.5°	3294.3	2810.3	866.6	186.3	133.6	97.2	83.0	76.9	74.9	72.9	72.9
70°	3484.6	2885.3	581.1	204.5	143.8	91.1	74.9	70.9	66.8	66.8	66.8
72.5°	3229.5	2575.5	344.2	192.4	135.7	85.0	66.8	62.8	60.7	60.7	58.7
75°	2761.8	2192.8	265.2	155.9	109.3	72.9	58.7	54.7	52.6	52.6	50.6
77.5°	2038.9	1571.2	196.4	123.5	85.0	58.7	50.6	48.6	46.6	44.5	44.5
80°	797.7	688.4	133.6	91.1	62.8	46.6	42.5	40.5	38.5	36.4	36.4
82.5°	247.0	208.5	76.9	60.7	44.5	36.4	34.4	32.4	30.4	28.3	28.3
85°	107.3	103.3	50.6	38.5	30.4	24.3	24.3	22.3	20.2	18.2	18.2
87.5°	52.6	50.6	28.3	18.2	16.2	12.1	12.1	10.1	8.1	8.1	8.1
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)