

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: P676974

Luminaire Tested: **CCW-SA-1C-730-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676974
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-730-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

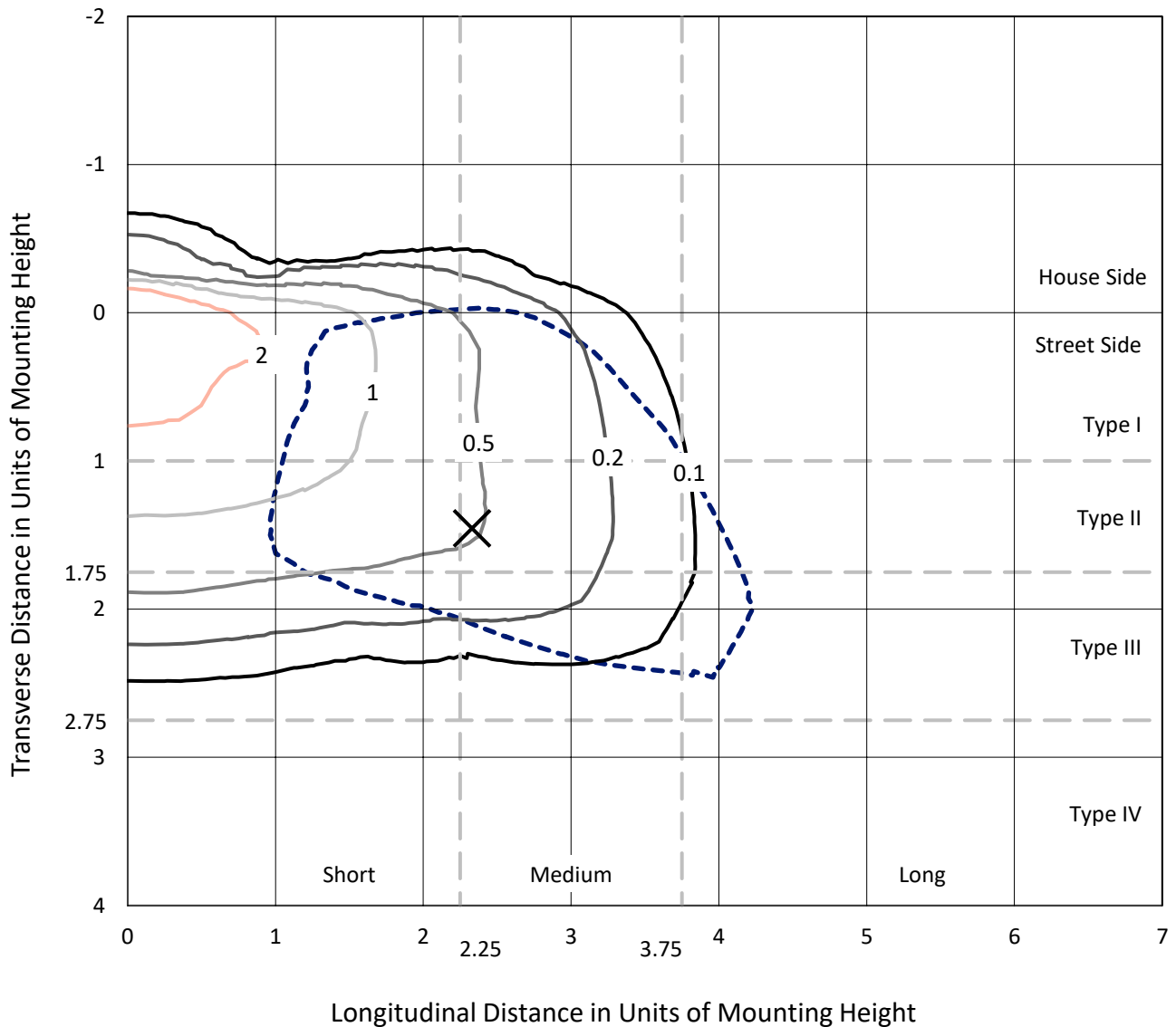
Lumens per Lamp: N/A
Luminaire Lumens: 3402.1 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

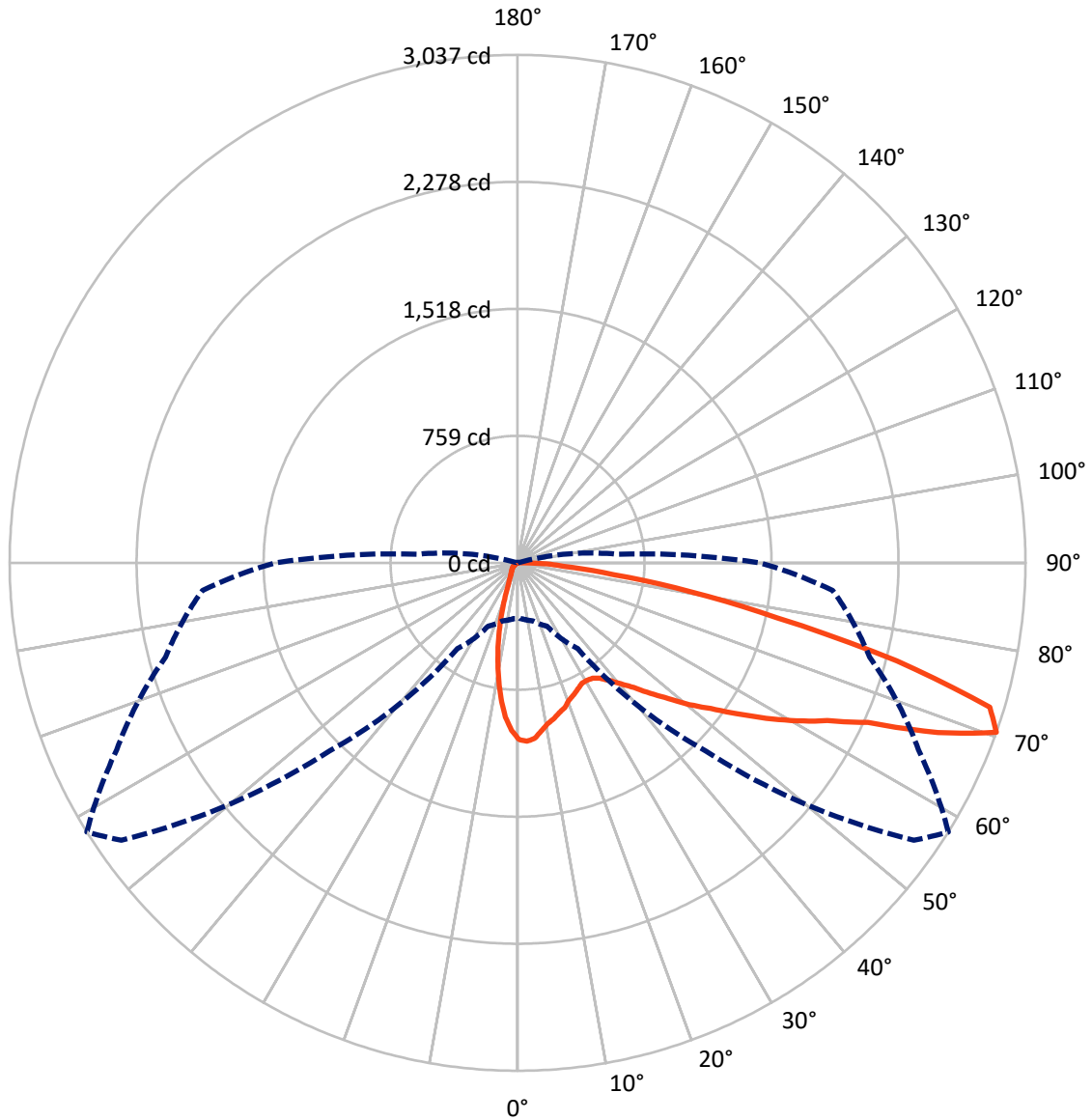
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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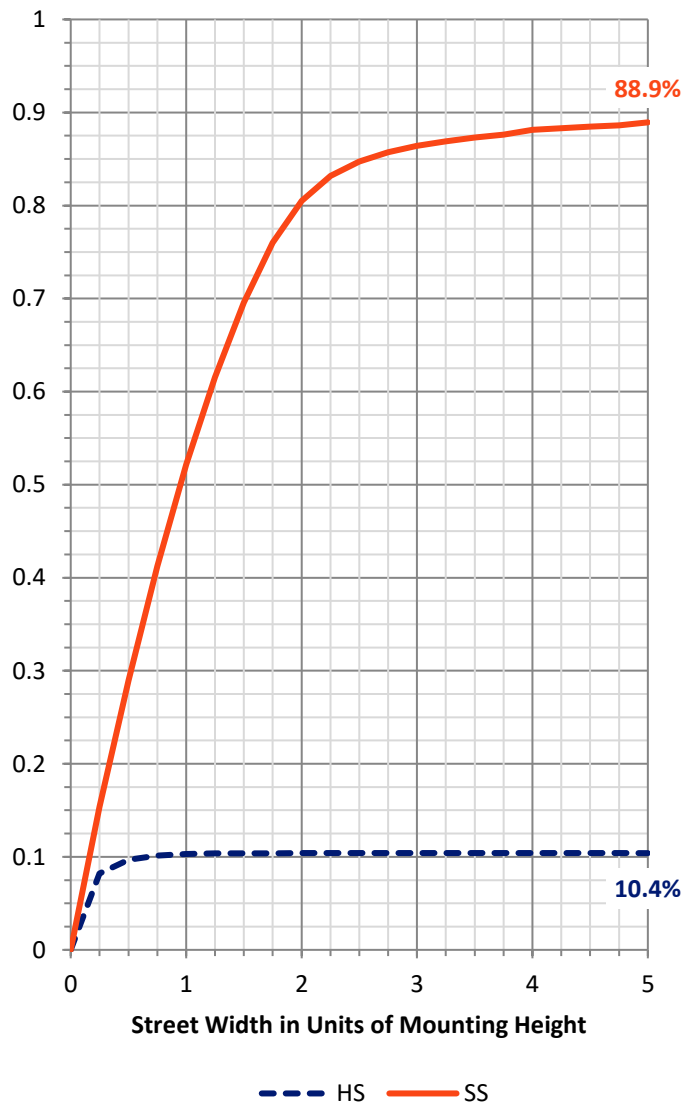
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	356.3	0.0	356.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3045.9	0.0	3045.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	3402.1	0.0	3402.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	2.5
10°-20°	179.4	5.3
20°-30°	240.2	7.1
30°-40°	324.7	9.5
40°-50°	466.0	13.7
50°-60°	686.8	20.2
60°-70°	837.7	24.6
70°-80°	511.6	15.0
80°-90°	69.5	2.0
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°	3402.1	100.0
0°-180°	3402.1	100.0

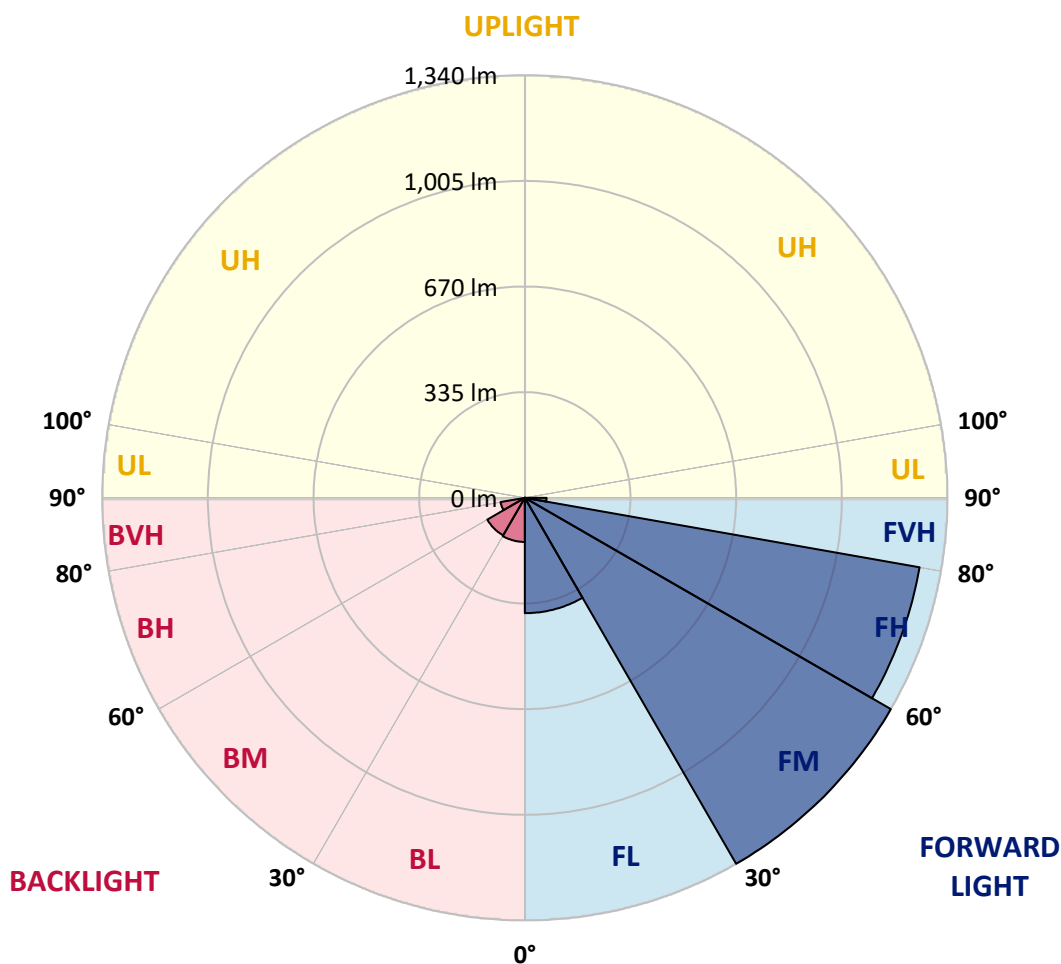


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.8	10.8			
FM (30°-60°)	1340.1	39.4			
FH (60°-80°)	1271.2	37.4			G1/1800
FVH (80°-90°)	68.8	2.0			G1/100
BL (0°-30°)	140.0	4.1	B1/500		
BM (30°-60°)	137.5	4.0	B0/220		
BH (60°-80°)	78.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1075.3	1079.3	1069.7	1080.8	1070.5	1075.3	1069.7	1068.1	1068.9	1069.7	1063.3
5°	1025.0	1034.6	1038.6	1032.2	1047.3	1045.0	1054.5	1055.3	1051.3	1047.3	1048.1
7.5°	958.8	968.4	972.4	976.4	991.5	1011.5	1024.2	1016.2	1022.6	1037.0	1015.4
10°	910.9	908.6	907.8	915.7	944.4	961.2	982.7	980.3	996.3	1009.9	992.3
12.5°	851.9	847.1	861.5	867.9	893.4	922.9	939.7	957.2	973.2	987.5	967.6
15°	808.0	812.0	817.6	831.2	849.5	888.6	913.3	930.1	958.8	966.0	958.0
17.5°	772.9	776.1	784.1	791.3	814.4	851.9	891.0	910.9	941.3	960.4	935.7
20°	773.7	764.2	764.2	771.4	784.1	828.8	870.3	876.6	918.1	950.8	934.1
22.5°	774.5	771.4	764.2	763.4	769.0	800.9	843.1	857.5	902.2	940.5	920.5
25°	785.7	773.7	774.5	763.4	765.8	781.7	815.2	836.8	887.8	946.0	913.3
27.5°	795.3	800.9	789.7	784.9	771.4	770.6	798.5	816.8	880.6	958.8	918.1
30°	816.8	820.8	820.8	817.6	804.9	786.5	792.9	816.0	866.3	956.4	910.1
32.5°	852.7	845.5	855.1	850.3	833.6	804.9	810.4	822.4	875.0	986.7	922.9
35°	864.7	870.3	883.0	872.7	867.1	850.3	839.2	847.9	887.8	1017.0	942.1
37.5°	901.4	893.4	902.2	925.3	930.9	900.6	879.0	891.8	935.7	1052.9	959.6
40°	904.6	910.9	926.9	972.4	977.9	965.2	947.6	950.8	983.5	1099.2	1003.5
42.5°	920.5	927.7	960.4	998.7	1029.0	1031.4	1018.6	1018.6	1046.5	1173.4	1052.1
45°	951.6	939.7	981.9	1046.5	1090.4	1099.2	1115.9	1112.0	1134.3	1251.5	1143.1
47.5°	963.6	967.6	1013.8	1092.0	1142.3	1183.0	1210.9	1211.7	1222.8	1351.3	1261.1
50°	1002.7	1001.9	1057.7	1130.3	1204.5	1278.7	1332.9	1332.9	1332.1	1448.6	1362.4
52.5°	1054.5	1052.9	1096.0	1182.2	1278.7	1372.0	1443.8	1446.2	1464.5	1568.2	1478.9
55°	1139.1	1131.9	1173.4	1237.2	1352.9	1466.1	1590.6	1591.4	1577.0	1653.6	1562.6
57.5°	1210.1	1209.3	1243.6	1305.0	1435.8	1587.4	1731.7	1753.3	1707.8	1741.3	1629.6
60°	1191.7	1202.1	1273.1	1364.0	1523.6	1738.9	1884.1	1917.6	1845.0	1801.1	1679.9
62.5°	1077.7	1101.6	1179.0	1324.1	1597.7	1959.1	2093.9	2078.7	1916.8	1852.2	1741.3
65°	775.3	799.3	895.0	1112.8	1511.6	2114.6	2369.9	2301.3	2044.4	1928.0	1823.5
67.5°	456.3	465.8	525.7	709.9	1130.3	2030.1	2704.9	2710.5	2295.7	2044.4	1965.5
70°	329.4	336.6	359.8	418.8	626.2	1591.4	2891.6	3036.7	2644.3	2178.4	1890.5
72.5°	252.9	252.9	291.9	348.6	398.8	953.2	2661.0	2952.2	2720.1	2050.0	1523.6
75°	181.9	186.7	228.9	299.9	367.7	478.6	1960.7	2342.8	2305.3	1661.6	1064.1
77.5°	104.5	106.9	161.1	251.3	345.4	328.6	1211.7	1588.2	1632.8	1040.2	461.1
80°	53.4	55.0	90.1	198.6	312.7	286.4	722.7	1045.8	887.0	302.3	106.9
82.5°	26.3	26.3	40.7	126.8	265.6	253.7	425.2	577.5	314.3	69.4	44.7
85°	8.8	9.6	18.3	71.8	192.2	153.2	260.0	274.4	105.3	26.3	24.7
87.5°	2.4	3.2	4.8	26.3	83.8	100.5	154.7	175.5	43.1	10.4	12.0
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°	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1	1056.1
2.5°	1039.4	1033.8	1027.4	1011.5	998.7	981.9	970.8	962.0	945.2	948.4	941.3
5°	1029.0	1018.6	981.9	946.8	914.9	866.3	832.8	811.2	793.7	776.1	788.9
7.5°	1010.7	985.9	928.5	863.1	795.3	731.5	667.7	629.4	601.4	575.9	575.1
10°	979.5	939.7	849.5	764.2	659.7	575.9	494.6	430.7	389.3	359.0	358.2
12.5°	944.4	903.0	789.7	650.9	530.5	412.4	315.1	247.3	208.2	184.3	181.1
15°	922.1	861.5	714.7	550.4	401.2	268.8	174.7	132.4	117.3	111.7	111.7
17.5°	893.4	824.0	640.5	445.9	278.4	155.5	113.3	102.1	101.3	99.7	98.1
20°	881.4	795.3	574.3	355.8	176.3	110.1	97.3	94.9	94.9	93.3	91.7
22.5°	849.5	753.8	504.1	260.8	117.3	96.5	91.7	88.5	86.9	85.4	86.9
25°	835.2	724.3	437.9	180.3	95.7	86.1	83.8	80.6	78.2	77.4	77.4
27.5°	825.6	694.8	373.3	125.2	84.6	79.0	74.2	71.8	68.6	65.4	65.4
30°	818.4	671.6	311.1	92.5	75.8	70.2	66.2	60.6	56.6	53.4	53.4
32.5°	808.8	644.5	248.9	79.0	68.6	63.0	55.8	51.1	45.5	43.1	43.1
35°	812.0	626.2	195.4	70.2	61.4	54.2	47.9	41.5	35.9	33.5	32.7
37.5°	818.4	612.6	148.4	63.0	55.0	47.1	39.9	32.7	29.5	26.3	26.3
40°	845.5	608.6	109.3	58.2	50.3	41.5	33.5	27.1	23.9	21.5	20.7
42.5°	891.0	614.2	84.6	52.6	45.5	35.1	27.9	22.3	19.1	16.8	16.0
45°	949.2	635.7	69.4	49.5	39.9	29.5	22.3	18.3	14.4	12.8	12.8
47.5°	1033.8	669.2	60.6	45.5	35.1	24.7	19.1	14.4	11.2	9.6	9.6
50°	1129.5	707.5	53.4	40.7	30.3	20.7	15.2	11.2	8.0	7.2	7.2
52.5°	1225.2	756.2	49.5	37.5	26.3	16.8	12.0	8.0	5.6	4.8	4.8
55°	1325.7	799.3	44.7	35.1	21.5	13.6	8.8	4.8	3.2	2.4	2.4
57.5°	1395.9	816.0	39.1	30.3	16.8	10.4	6.4	3.2	1.6	0.8	0.8
60°	1446.2	818.4	33.5	24.7	12.8	8.0	4.0	1.6	0.8	0.0	0.0
62.5°	1488.5	823.2	28.7	19.1	9.6	5.6	2.4	0.8	0.0	0.0	0.0
65°	1572.2	819.2	23.1	15.2	6.4	3.2	1.6	0.0	0.0	0.0	0.0
67.5°	1638.4	779.3	18.3	10.4	4.0	1.6	0.8	0.0	0.0	0.0	0.0
70°	1449.4	594.3	14.4	7.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0
72.5°	1138.3	396.4	9.6	4.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0
75°	746.6	197.0	7.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	290.4	51.8	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	70.2	17.5	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.3	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.3	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)