

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: P674594

Luminaire Tested: **CCP-SA-1D-827-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674594
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-827-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

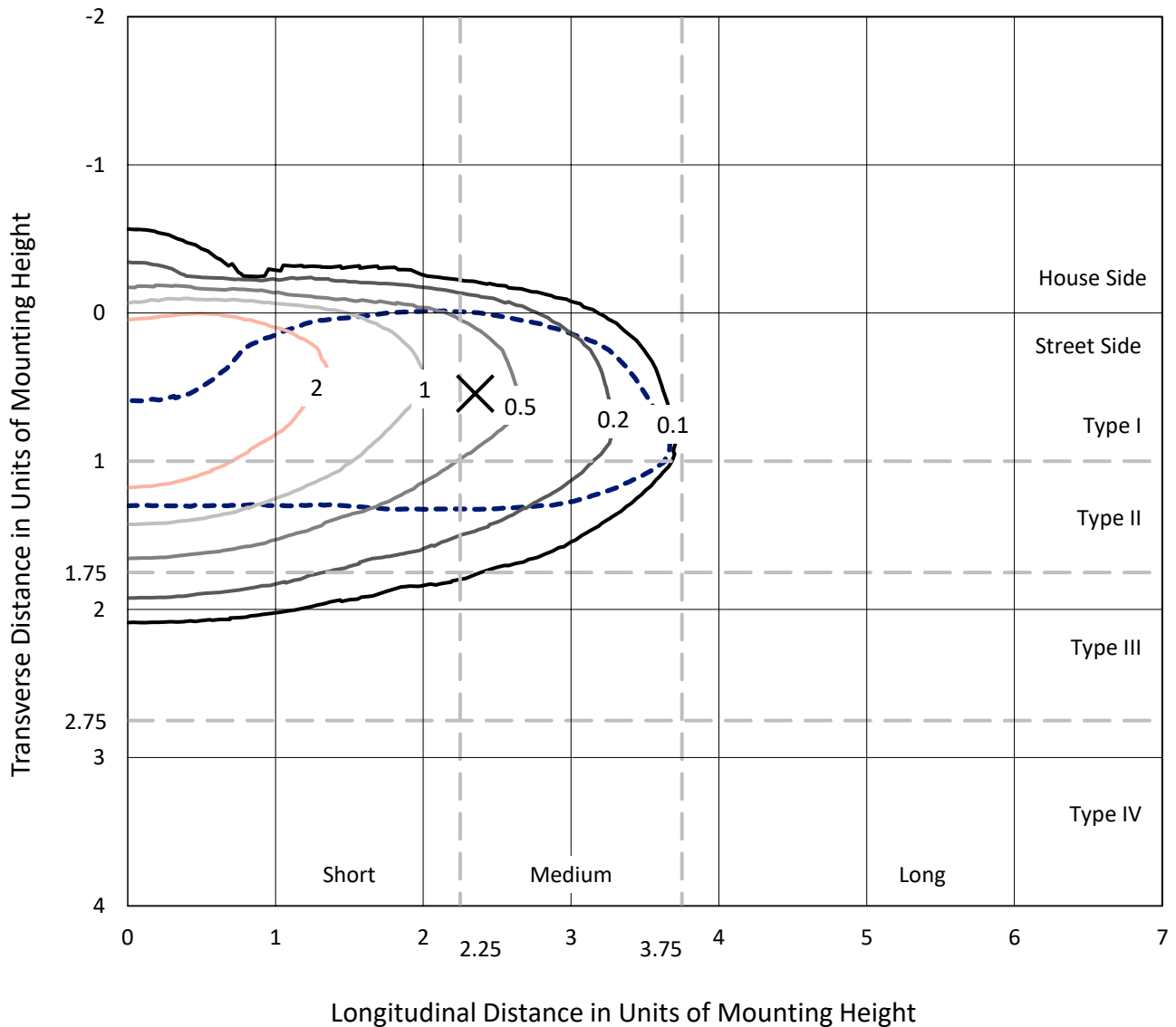
Lumens per Lamp: N/A
Luminaire Lumens: 3319.5 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

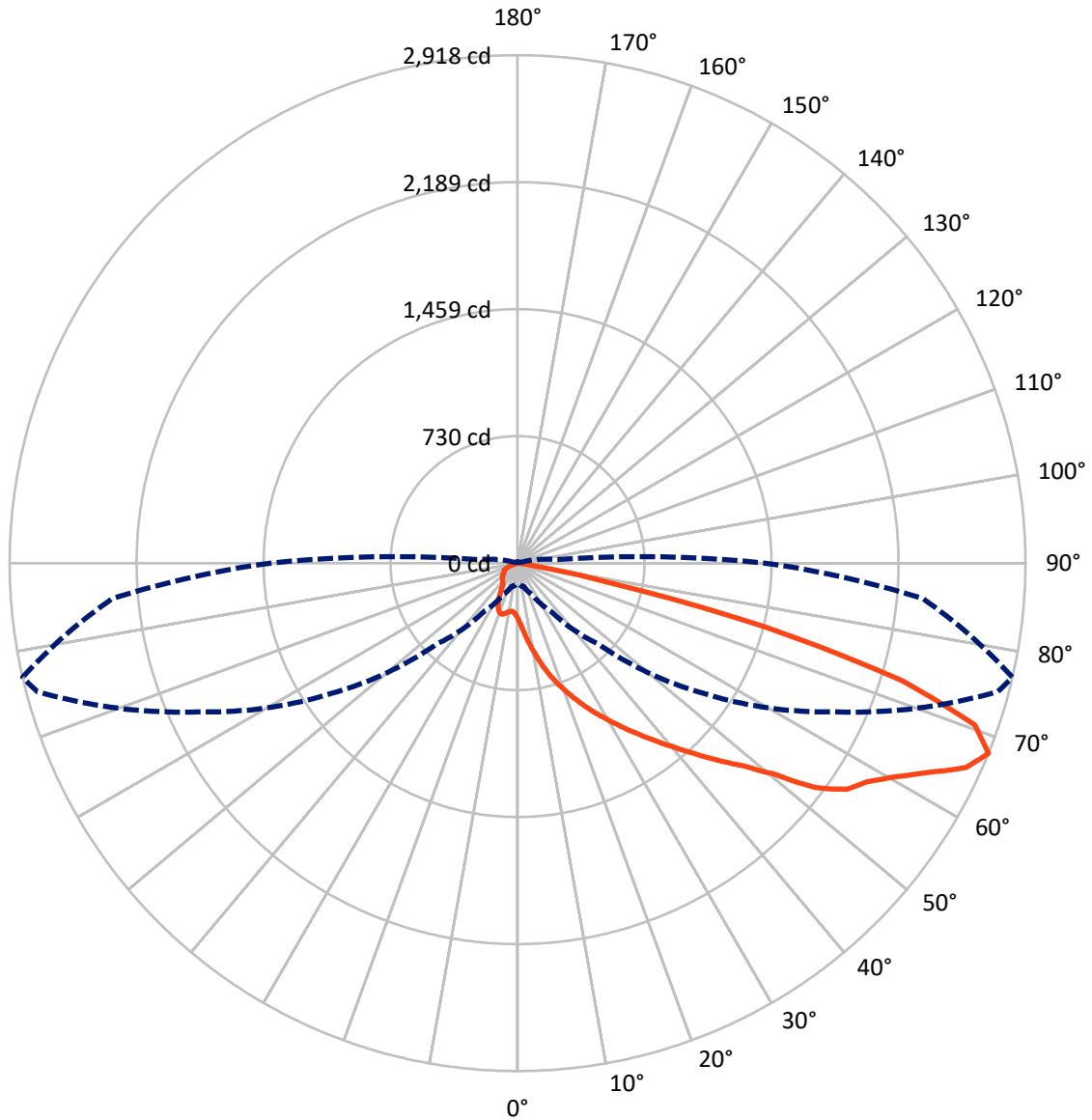
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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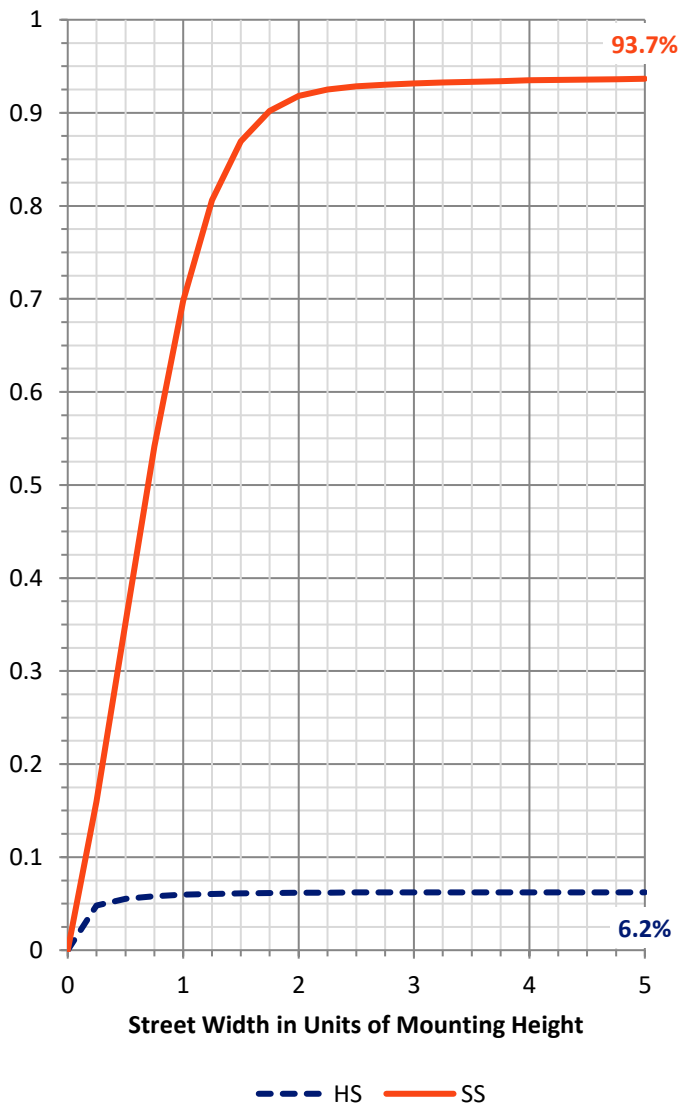
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	207.5	0.0	207.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3112.0	0.0	3112.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	3319.5	0.0	3319.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	1.1
10°-20°	138.2	4.2
20°-30°	270.0	8.1
30°-40°	472.0	14.2
40°-50°	688.3	20.7
50°-60°	804.9	24.2
60°-70°	652.5	19.7
70°-80°	245.1	7.4
80°-90°	11.2	0.3
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°	3319.5	100.0
0°-180°	3319.5	100.0

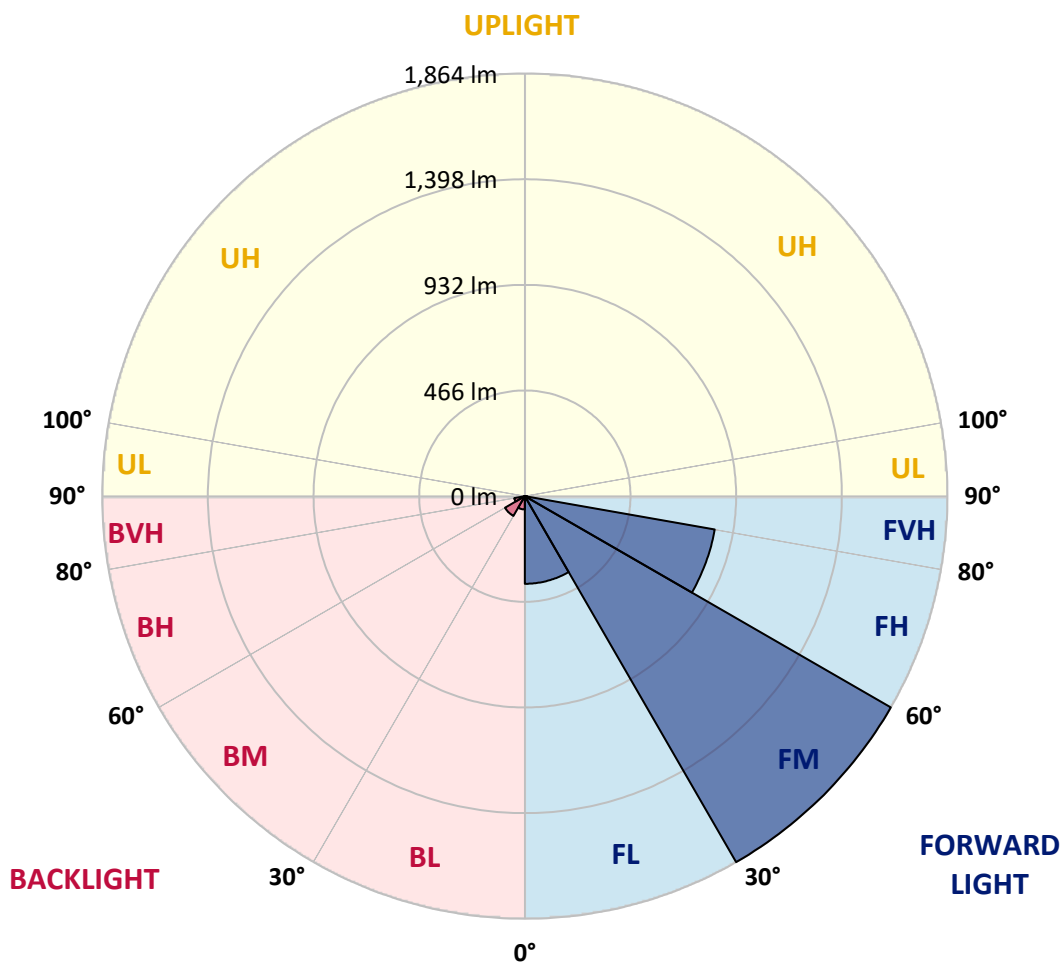


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.7	11.6			
FM (30°-60°)	1864.3	56.2			
FH (60°-80°)	850.5	25.6			G1/1800
FVH (80°-90°)	10.5	0.3			G1/100
BL (0°-30°)	58.8	1.8	B0/110		
BM (30°-60°)	100.9	3.0	B0/220		
BH (60°-80°)	47.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9
2.5°	477.4	460.0	463.3	456.1	446.8	425.2	402.4	379.7	359.3	354.8	334.4
5°	611.3	605.9	600.2	595.4	575.9	549.0	507.9	455.8	408.7	400.6	358.4
7.5°	715.3	707.2	712.3	697.6	677.2	651.2	599.0	543.3	470.8	458.8	393.2
10°	792.0	787.5	789.9	783.0	773.1	747.1	695.5	625.7	541.8	519.0	432.1
12.5°	849.5	850.4	860.9	861.5	853.4	832.2	777.6	704.8	606.2	585.8	475.3
15°	891.5	892.4	905.3	919.1	928.3	917.3	867.8	786.3	682.0	654.2	520.5
17.5°	898.4	899.0	921.8	949.6	978.4	988.0	949.9	867.2	751.2	719.5	572.4
20°	902.9	908.0	928.3	960.4	1006.0	1035.6	1014.9	944.8	818.4	781.5	623.3
22.5°	957.4	957.4	969.4	992.2	1028.4	1074.9	1070.7	1016.1	883.7	847.1	673.9
25°	1073.1	1073.1	1061.4	1055.4	1074.9	1111.4	1121.9	1092.3	958.3	915.2	727.3
27.5°	1226.2	1226.2	1207.9	1163.9	1147.1	1162.4	1173.5	1158.5	1027.2	984.7	783.6
30°	1385.0	1390.4	1358.7	1302.6	1243.9	1232.2	1221.4	1218.1	1100.7	1052.7	840.8
32.5°	1544.4	1543.8	1504.3	1434.5	1357.8	1316.4	1281.3	1277.5	1178.6	1131.5	895.1
35°	1671.8	1672.1	1630.5	1558.8	1470.1	1417.4	1361.1	1342.8	1264.0	1211.5	959.8
37.5°	1782.1	1775.8	1730.8	1662.8	1580.1	1525.6	1455.4	1407.8	1352.4	1299.0	1024.5
40°	1845.3	1836.9	1793.2	1728.4	1665.8	1624.2	1562.4	1486.3	1449.5	1391.9	1098.3
42.5°	1854.6	1847.4	1818.3	1779.4	1728.1	1691.6	1675.1	1575.0	1551.3	1499.2	1186.4
45°	1828.5	1816.8	1807.2	1786.9	1772.5	1754.8	1777.3	1669.4	1668.2	1616.4	1273.6
47.5°	1763.8	1747.9	1750.3	1772.8	1789.0	1804.9	1875.0	1793.2	1786.0	1737.4	1388.0
50°	1653.2	1645.4	1671.8	1716.2	1780.3	1843.8	1972.4	1919.6	1948.1	1902.5	1545.9
52.5°	1428.5	1438.1	1516.9	1623.6	1734.4	1862.1	2063.8	2108.4	2181.2	2143.8	1704.8
55°	1158.8	1155.2	1260.4	1449.8	1626.9	1850.4	2103.6	2219.6	2334.1	2294.8	1793.2
57.5°	933.4	939.7	1010.8	1198.0	1444.4	1760.2	2112.9	2277.7	2395.5	2369.4	1875.0
60°	700.6	706.6	771.3	934.3	1201.6	1572.0	2036.2	2298.1	2510.9	2491.1	2005.6
62.5°	445.9	453.7	518.7	677.2	918.5	1279.5	1863.9	2276.8	2631.3	2647.8	2183.9
65°	219.4	226.2	274.2	395.6	614.0	956.8	1623.6	2195.6	2784.7	2831.8	2326.9
67.5°	121.4	124.7	141.1	201.4	342.5	656.3	1304.7	2022.1	2855.2	2918.1	2336.4
70°	94.4	95.3	101.6	117.5	166.9	385.1	928.0	1733.2	2709.2	2785.3	2142.0
72.5°	79.4	80.6	83.6	89.0	104.3	200.5	583.1	1339.5	2279.5	2314.0	1657.1
75°	58.1	59.9	68.3	73.1	82.4	121.7	257.1	804.9	1506.4	1472.5	927.1
77.5°	48.8	50.3	52.4	59.3	68.0	83.0	90.2	337.4	613.1	533.1	243.3
80°	33.3	35.1	40.8	44.3	57.5	54.8	37.5	90.5	123.2	100.4	46.7
82.5°	23.7	25.2	28.2	36.3	41.7	29.1	20.4	27.6	29.7	28.2	15.3
85°	7.5	9.6	20.4	30.0	22.5	9.9	12.9	10.5	9.3	9.0	6.0
87.5°	1.5	1.5	10.2	12.0	9.0	5.1	4.5	3.3	4.2	4.2	3.3
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°	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9	317.9
2.5°	324.8	311.3	291.9	273.6	255.0	241.8	232.5	223.2	219.7	218.2	214.3
5°	339.2	313.4	274.8	243.6	220.8	206.5	197.8	190.3	185.5	184.0	181.9
7.5°	359.9	322.7	267.3	231.3	208.6	193.0	178.9	162.7	149.8	144.7	142.6
10°	382.4	336.8	268.5	228.9	198.7	164.5	133.0	107.0	95.6	91.4	88.4
12.5°	415.3	352.4	273.6	226.2	169.0	117.5	85.1	74.3	71.6	71.0	70.4
15°	448.3	374.3	282.0	208.3	126.2	80.0	70.7	66.8	65.3	63.8	63.8
17.5°	481.6	395.3	285.3	173.2	87.2	69.2	64.4	61.1	58.7	57.5	56.6
20°	519.0	417.4	275.7	130.4	69.8	63.2	57.8	53.9	51.8	50.6	49.7
22.5°	559.5	439.3	254.7	90.8	63.5	56.9	51.8	47.9	45.8	44.6	44.3
25°	597.5	458.2	221.1	68.3	57.2	50.9	46.1	42.9	41.4	40.2	39.9
27.5°	636.8	474.4	177.4	60.2	52.1	46.1	41.4	38.7	37.2	36.3	36.0
30°	675.1	485.4	132.2	55.1	47.6	41.7	37.5	35.4	33.9	33.0	32.7
32.5°	714.7	491.7	89.3	50.6	43.2	37.8	34.2	32.1	31.2	30.3	30.3
35°	752.7	490.8	64.4	46.4	39.6	34.2	30.9	29.4	29.1	28.2	28.2
37.5°	794.4	484.6	54.8	42.6	35.7	30.9	28.2	27.3	27.0	26.4	26.1
40°	841.7	470.5	50.0	39.6	32.4	28.2	25.8	25.2	24.9	24.3	24.3
42.5°	893.6	452.2	47.3	36.3	29.7	25.5	23.7	22.8	22.5	21.9	21.9
45°	953.8	434.8	45.5	33.0	27.3	23.4	21.6	20.7	20.4	19.8	19.8
47.5°	1035.9	424.9	42.6	30.0	24.6	21.3	19.5	18.9	18.3	17.7	17.7
50°	1148.9	413.2	38.7	27.0	22.5	19.2	18.0	17.1	16.8	16.2	16.2
52.5°	1241.8	388.4	34.8	24.0	20.1	17.7	16.5	15.9	15.3	15.0	15.0
55°	1274.5	359.3	30.9	21.6	18.3	16.5	15.3	14.7	14.4	14.1	14.1
57.5°	1326.6	350.0	27.3	19.2	16.5	15.3	14.1	13.8	13.5	13.2	12.9
60°	1415.6	355.4	24.0	17.1	15.0	13.8	12.9	12.6	12.0	11.4	11.4
62.5°	1501.9	348.8	20.4	15.0	12.9	12.3	11.4	10.8	9.6	8.7	8.1
65°	1522.9	304.8	17.7	12.6	10.8	10.2	9.3	8.1	6.3	5.1	5.1
67.5°	1421.3	231.6	15.3	10.8	9.0	8.4	6.6	5.4	3.9	3.0	3.0
70°	1172.9	146.8	12.6	8.4	7.5	5.7	4.2	3.9	2.7	2.4	2.1
72.5°	846.2	80.3	10.5	6.9	5.4	3.6	3.0	2.4	1.8	1.2	1.2
75°	428.5	37.8	7.8	5.4	3.6	2.4	1.8	1.2	1.2	0.9	0.9
77.5°	121.4	17.4	5.1	3.6	2.4	1.5	1.2	0.9	0.9	0.6	0.6
80°	24.0	8.7	3.3	2.4	1.8	1.2	0.9	0.6	0.6	0.3	0.3
82.5°	8.7	4.5	2.4	1.8	1.5	1.2	0.6	0.3	0.3	0.0	0.0
85°	4.5	2.4	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0	0.0
87.5°	2.4	1.8	1.5	1.5	1.2	0.9	0.6	0.3	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)