

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: P674617

Luminaire Tested: **CCP-SA-1E-835-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674617
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-835-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4561.6 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

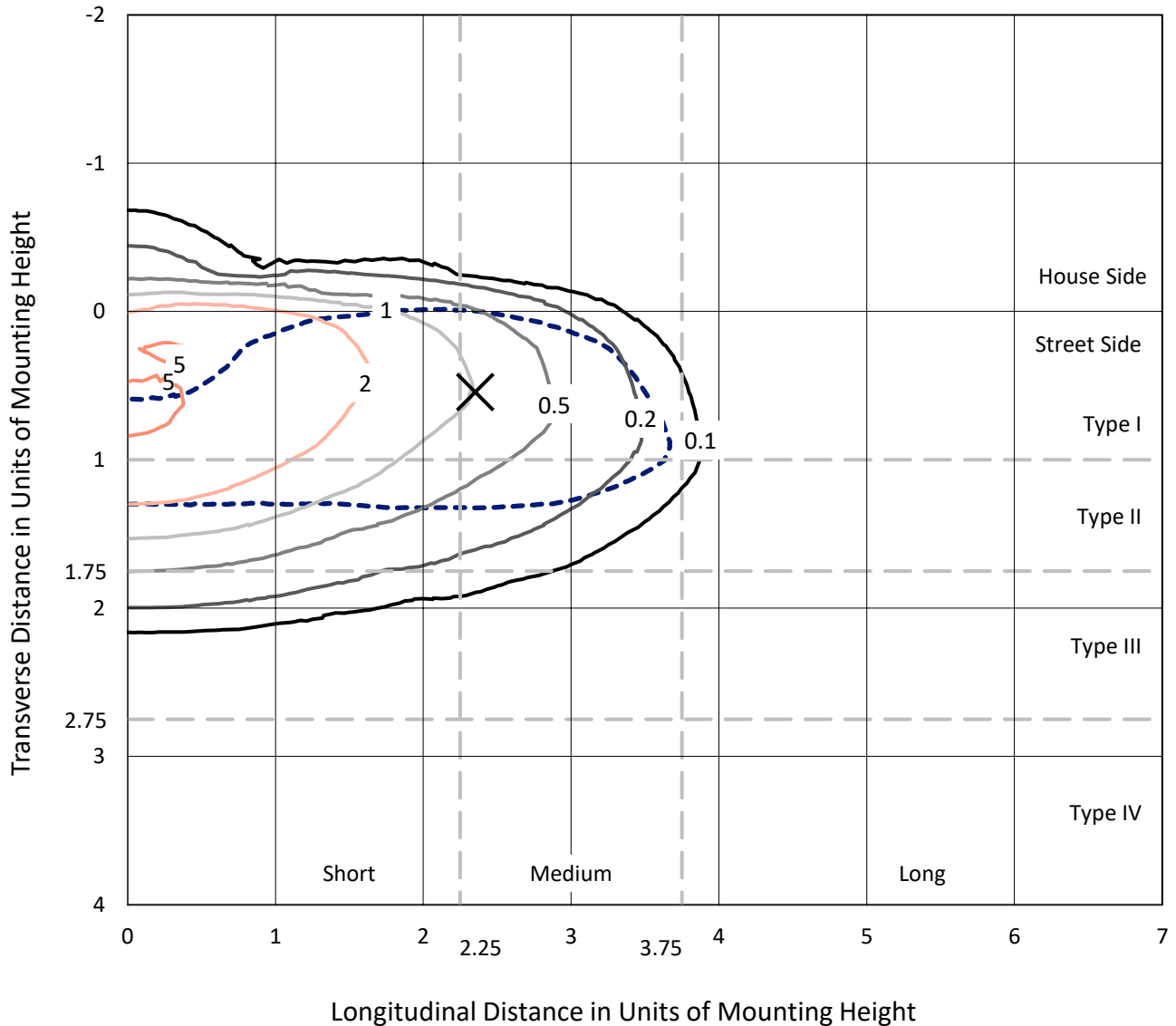
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

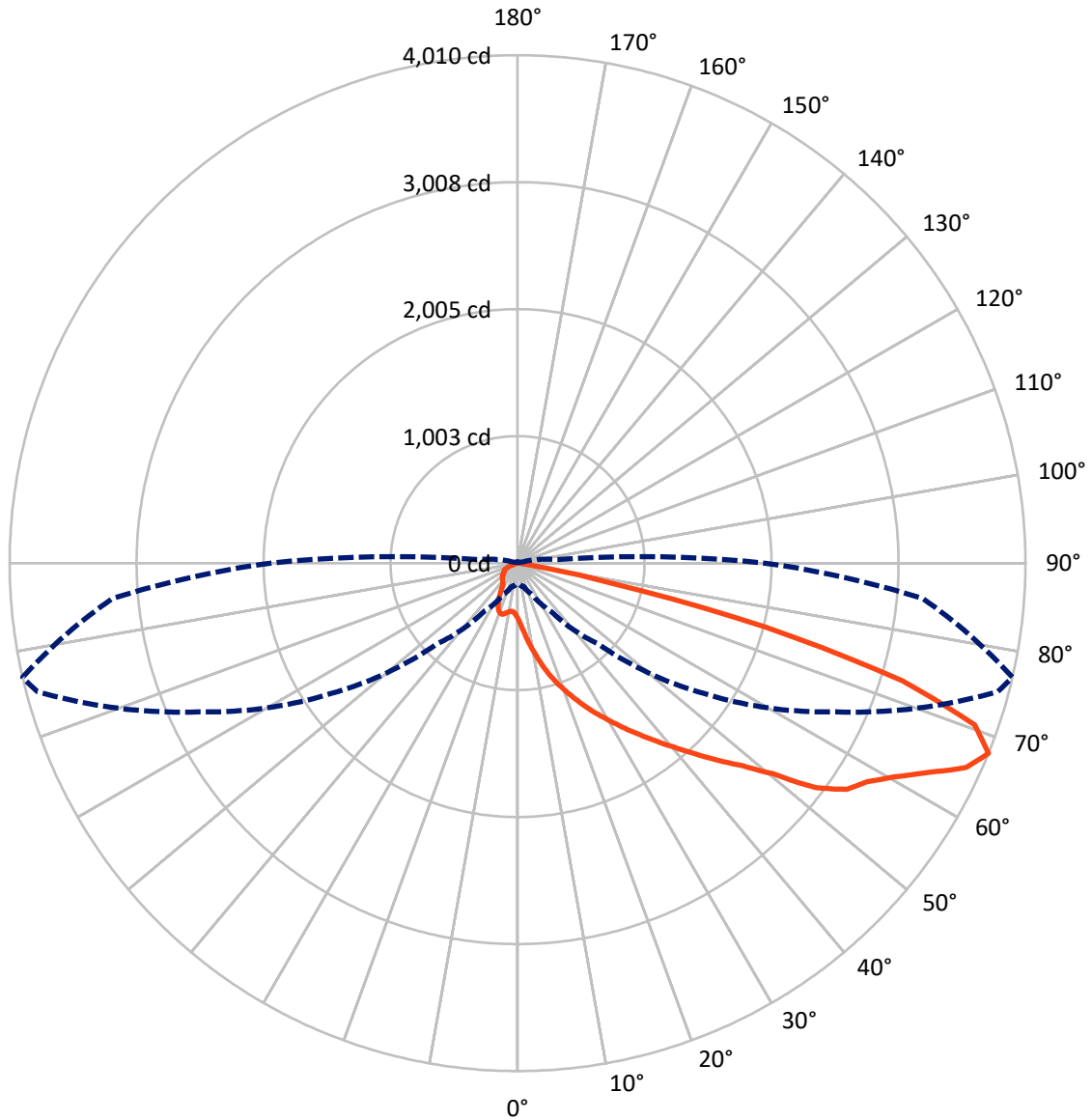
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 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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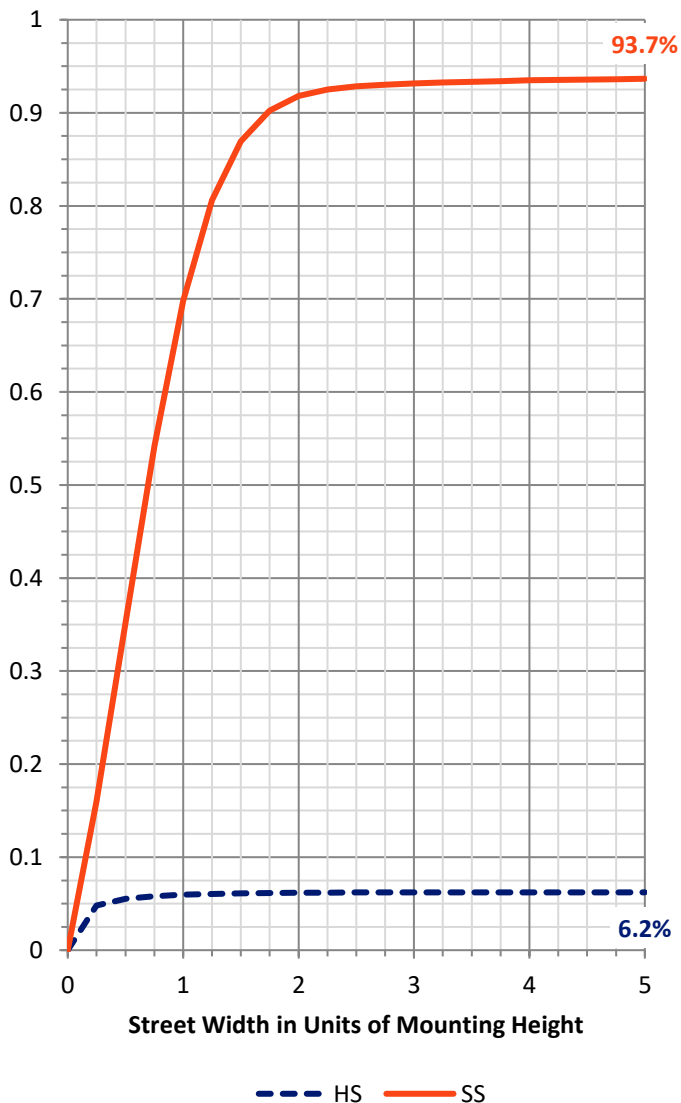
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	285.0	0.0	285.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4276.6	0.0	4276.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	4561.6	0.0	4561.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	1.1
10°-20°	189.9	4.2
20°-30°	371.0	8.1
30°-40°	648.6	14.2
40°-50°	945.9	20.7
50°-60°	1106.1	24.2
60°-70°	896.6	19.7
70°-80°	336.8	7.4
80°-90°	15.3	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°	4561.6	100.0
0°-180°	4561.6	100.0

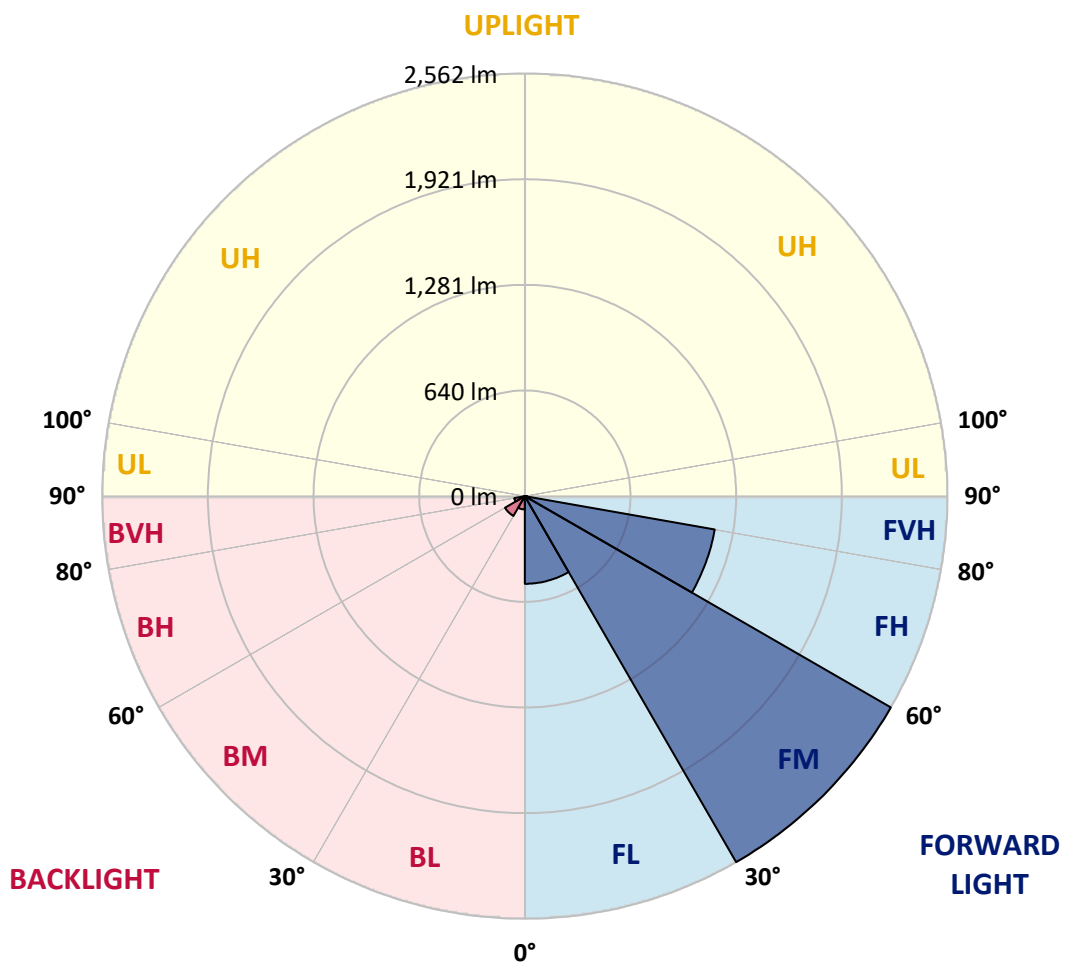


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.4	11.6			
FM (30°-60°)	2561.9	56.2			
FH (60°-80°)	1168.8	25.6			G1/1800
FVH (80°-90°)	14.4	0.3			G1/100
BL (0°-30°)	80.8	1.8	B0/110		
BM (30°-60°)	138.7	3.0	B0/220		
BH (60°-80°)	64.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9
2.5°	656.0	632.1	636.6	626.8	614.0	584.3	553.0	521.7	493.7	487.6	459.6
5°	840.1	832.7	824.8	818.2	791.5	754.4	698.0	626.3	561.7	550.6	492.5
7.5°	983.0	971.8	978.8	958.7	930.7	894.8	823.2	746.6	646.9	630.5	540.3
10°	1088.4	1082.2	1085.5	1076.0	1062.4	1026.6	955.8	859.8	744.5	713.2	593.8
12.5°	1167.4	1168.7	1183.1	1183.9	1172.8	1143.6	1068.6	968.6	833.1	805.1	653.1
15°	1225.1	1226.3	1244.0	1263.0	1275.8	1260.5	1192.6	1080.6	937.3	899.0	715.3
17.5°	1234.6	1235.4	1266.7	1305.0	1344.5	1357.7	1305.4	1191.7	1032.4	988.7	786.5
20°	1240.7	1247.8	1275.8	1319.8	1382.4	1423.2	1394.8	1298.4	1124.6	1074.0	856.5
22.5°	1315.7	1315.7	1332.2	1363.5	1413.3	1477.1	1471.4	1396.4	1214.4	1164.2	926.1
25°	1474.7	1474.7	1458.6	1450.4	1477.1	1527.4	1541.8	1501.0	1316.9	1257.6	999.4
27.5°	1685.1	1685.1	1660.0	1599.4	1576.4	1597.4	1612.6	1592.0	1411.6	1353.2	1076.9
30°	1903.3	1910.7	1867.1	1790.1	1709.4	1693.3	1678.5	1674.0	1512.5	1446.6	1155.5
32.5°	2122.4	2121.6	2067.2	1971.3	1865.9	1809.0	1760.9	1755.5	1619.6	1555.0	1230.0
35°	2297.4	2297.8	2240.6	2142.2	2020.3	1947.8	1870.4	1845.3	1737.0	1664.9	1319.0
37.5°	2449.0	2440.3	2378.5	2285.1	2171.4	2096.5	2000.1	1934.6	1858.4	1785.1	1407.9
40°	2535.9	2524.3	2464.2	2375.3	2289.2	2231.9	2147.1	2042.5	1991.9	1912.8	1509.2
42.5°	2548.6	2538.7	2498.8	2445.3	2374.8	2324.6	2302.0	2164.4	2131.9	2060.2	1630.3
45°	2512.8	2496.7	2483.6	2455.6	2435.8	2411.5	2442.4	2294.1	2292.5	2221.2	1750.1
47.5°	2423.8	2402.0	2405.3	2436.2	2458.4	2480.3	2576.6	2464.2	2454.3	2387.6	1907.5
50°	2271.9	2261.2	2297.4	2358.4	2446.5	2533.8	2710.5	2638.0	2677.1	2614.5	2124.5
52.5°	1963.0	1976.2	2084.5	2231.1	2383.5	2558.9	2836.1	2897.4	2997.5	2946.0	2342.7
55°	1592.4	1587.5	1732.0	1992.3	2235.7	2542.9	2890.8	3050.2	3207.5	3153.6	2464.2
57.5°	1282.8	1291.4	1389.0	1646.4	1984.9	2418.9	2903.6	3130.1	3291.9	3256.1	2576.6
60°	962.8	971.0	1060.0	1284.0	1651.3	2160.3	2798.2	3158.1	3450.5	3423.3	2756.2
62.5°	612.8	623.5	712.8	930.7	1262.2	1758.4	2561.4	3128.8	3616.0	3638.7	3001.2
65°	301.4	310.9	376.8	543.6	843.8	1314.9	2231.1	3017.2	3826.8	3891.5	3197.6
67.5°	166.8	171.3	194.0	276.7	470.7	901.8	1793.0	2778.8	3923.6	4010.1	3210.8
70°	129.7	131.0	139.6	161.4	229.4	529.2	1275.3	2381.8	3723.1	3827.7	2943.5
72.5°	109.1	110.8	114.9	122.3	143.3	275.5	801.4	1840.7	3132.6	3179.9	2277.2
75°	79.9	82.4	93.9	100.5	113.2	167.2	353.3	1106.1	2070.1	2023.6	1274.1
77.5°	67.1	69.2	72.1	81.5	93.5	114.1	124.0	463.7	842.5	732.6	334.4
80°	45.7	48.2	56.0	60.9	79.1	75.4	51.5	124.4	169.2	138.0	64.2
82.5°	32.5	34.6	38.7	49.8	57.2	39.9	28.0	37.9	40.8	38.7	21.0
85°	10.3	13.2	28.0	41.2	30.9	13.6	17.7	14.4	12.8	12.4	8.2
87.5°	2.1	2.1	14.0	16.5	12.4	7.0	6.2	4.5	5.8	5.8	4.5
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°	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9	436.9
2.5°	446.4	427.9	401.1	376.0	350.4	332.3	319.6	306.8	301.8	299.8	294.4
5°	466.2	430.7	377.6	334.8	303.5	283.7	271.8	261.5	254.9	252.8	250.0
7.5°	494.6	443.5	367.3	317.9	286.6	265.2	245.8	223.6	205.9	198.9	196.0
10°	525.5	462.9	369.0	314.6	273.0	226.1	182.8	147.0	131.4	125.6	121.5
12.5°	570.8	484.3	376.0	310.9	232.3	161.4	117.0	102.1	98.4	97.6	96.8
15°	616.1	514.3	387.5	286.2	173.4	110.0	97.2	91.8	89.8	87.7	87.7
17.5°	661.8	543.2	392.0	238.0	119.8	95.1	88.5	84.0	80.7	79.1	77.8
20°	713.2	573.6	378.9	179.1	95.9	86.9	79.5	74.1	71.2	69.6	68.4
22.5°	768.8	603.7	350.0	124.8	87.3	78.2	71.2	65.9	63.0	61.4	60.9
25°	821.1	629.6	303.9	93.9	78.7	70.0	63.4	58.9	56.8	55.2	54.8
27.5°	875.1	651.9	243.8	82.8	71.7	63.4	56.8	53.1	51.1	49.8	49.4
30°	927.8	667.1	181.6	75.8	65.5	57.2	51.5	48.6	46.5	45.3	44.9
32.5°	982.1	675.8	122.7	69.6	59.3	51.9	46.9	44.1	42.8	41.6	41.6
35°	1034.4	674.5	88.5	63.8	54.4	46.9	42.4	40.4	39.9	38.7	38.7
37.5°	1091.7	665.9	75.4	58.5	49.0	42.4	38.7	37.5	37.1	36.2	35.8
40°	1156.7	646.5	68.8	54.4	44.5	38.7	35.4	34.6	34.2	33.4	33.4
42.5°	1228.0	621.4	65.1	49.8	40.8	35.0	32.5	31.3	30.9	30.1	30.1
45°	1310.8	597.5	62.6	45.3	37.5	32.1	29.6	28.4	28.0	27.2	27.2
47.5°	1423.6	583.9	58.5	41.2	33.8	29.2	26.8	25.9	25.1	24.3	24.3
50°	1578.8	567.9	53.1	37.1	30.9	26.4	24.7	23.5	23.1	22.2	22.2
52.5°	1706.5	533.7	47.8	32.9	27.6	24.3	22.6	21.8	21.0	20.6	20.6
55°	1751.4	493.7	42.4	29.6	25.1	22.6	21.0	20.2	19.8	19.4	19.4
57.5°	1823.0	481.0	37.5	26.4	22.6	21.0	19.4	18.9	18.5	18.1	17.7
60°	1945.3	488.4	32.9	23.5	20.6	18.9	17.7	17.3	16.5	15.6	15.6
62.5°	2063.9	479.3	28.0	20.6	17.7	16.9	15.6	14.8	13.2	11.9	11.1
65°	2092.8	418.8	24.3	17.3	14.8	14.0	12.8	11.1	8.6	7.0	7.0
67.5°	1953.2	318.3	21.0	14.8	12.4	11.5	9.1	7.4	5.4	4.1	4.1
70°	1611.8	201.8	17.3	11.5	10.3	7.8	5.8	5.4	3.7	3.3	2.9
72.5°	1162.9	110.4	14.4	9.5	7.4	4.9	4.1	3.3	2.5	1.6	1.6
75°	588.9	51.9	10.7	7.4	4.9	3.3	2.5	1.6	1.6	1.2	1.2
77.5°	166.8	23.9	7.0	4.9	3.3	2.1	1.6	1.2	1.2	0.8	0.8
80°	32.9	11.9	4.5	3.3	2.5	1.6	1.2	0.8	0.8	0.4	0.4
82.5°	11.9	6.2	3.3	2.5	2.1	1.6	0.8	0.4	0.4	0.0	0.0
85°	6.2	3.3	2.5	2.1	1.6	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	3.3	2.5	2.1	2.1	1.6	1.2	0.8	0.4	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)