

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: P674631

Luminaire Tested: **CCP-SA-2B-840-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674631
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-840-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4767.7 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

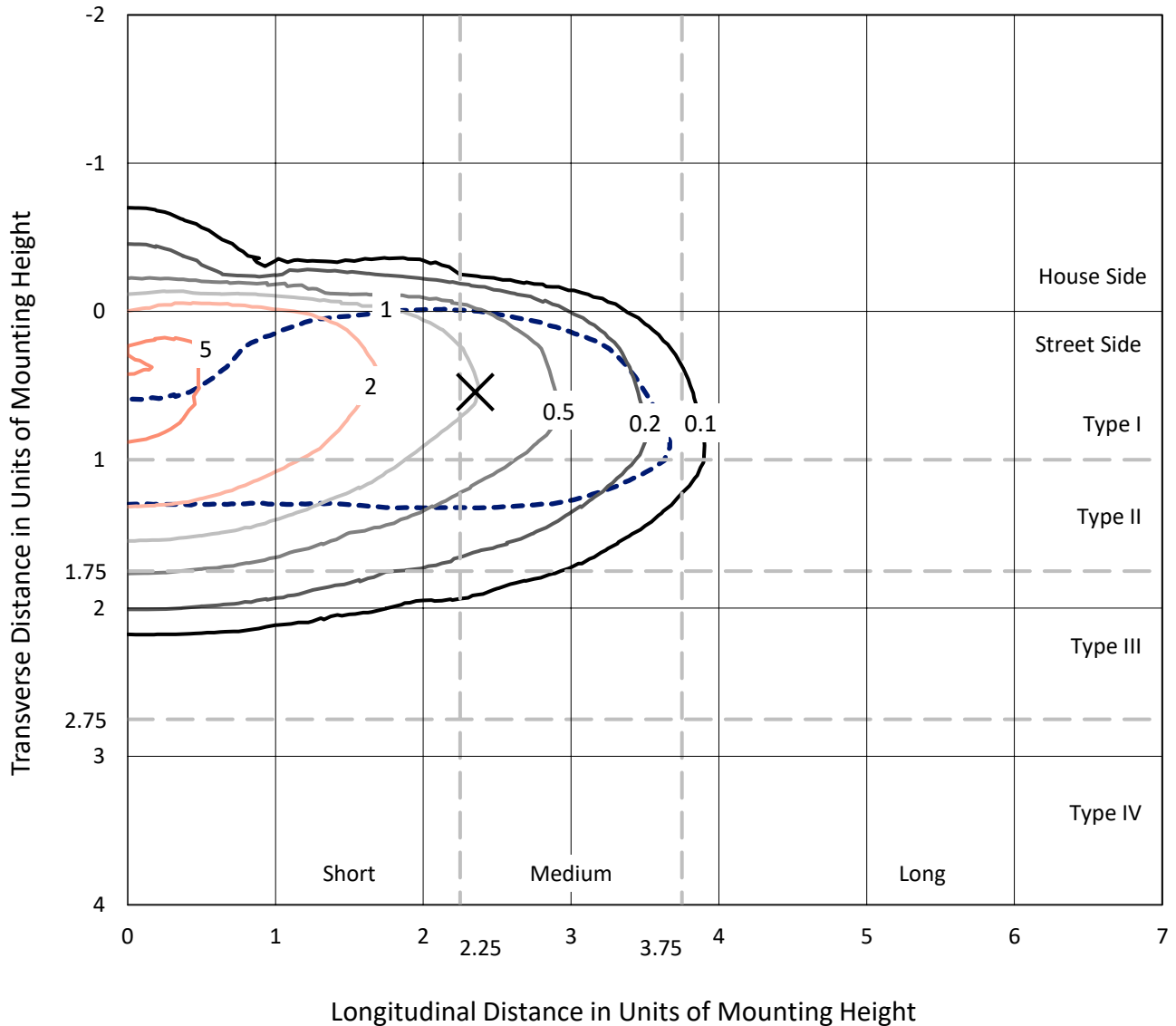
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

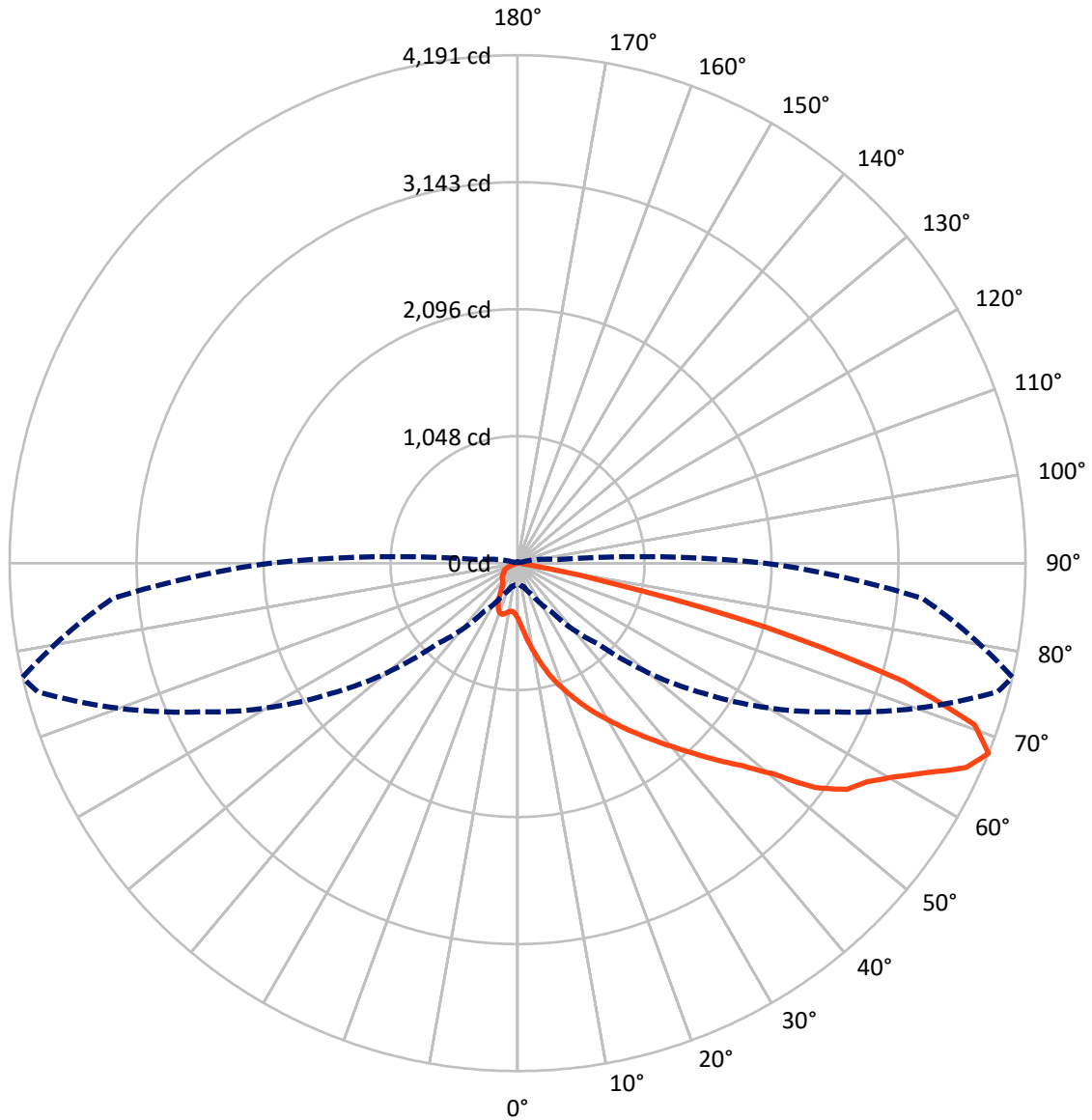
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 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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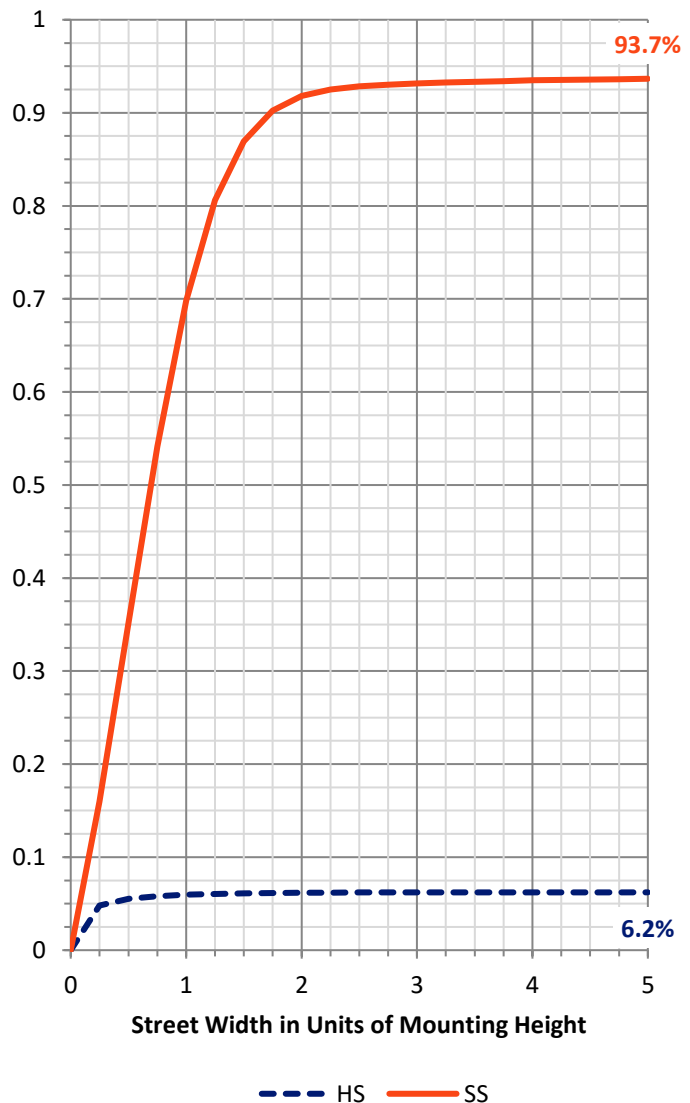
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	297.9	0.0	297.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4469.8	0.0	4469.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	4767.7	0.0	4767.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	1.1
10°-20°	198.5	4.2
20°-30°	387.7	8.1
30°-40°	677.9	14.2
40°-50°	988.7	20.7
50°-60°	1156.1	24.2
60°-70°	937.1	19.7
70°-80°	352.1	7.4
80°-90°	16.0	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°	4767.7	100.0
0°-180°	4767.7	100.0

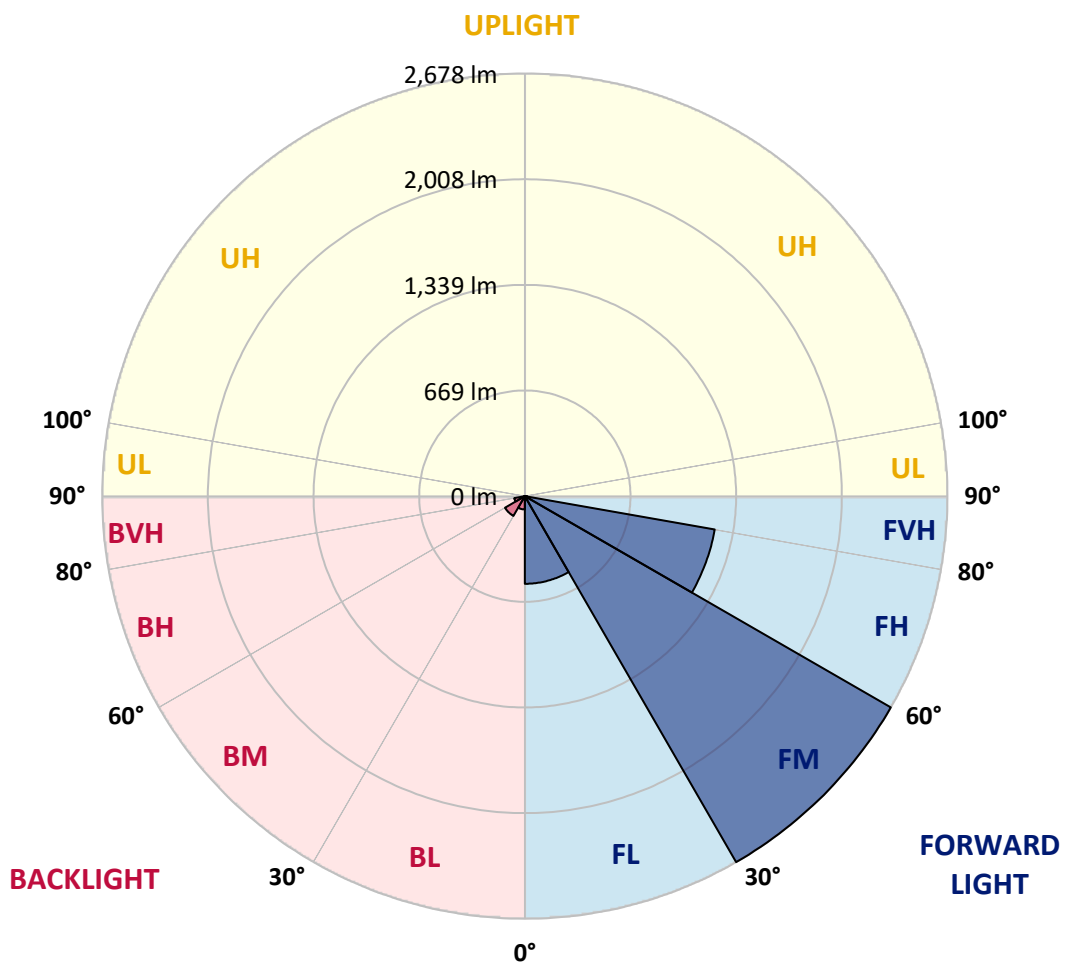


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.4	11.6			
FM (30°-60°)	2677.7	56.2			
FH (60°-80°)	1221.6	25.6			G1/1800
FVH (80°-90°)	15.1	0.3			G1/100
BL (0°-30°)	84.5	1.8	B0/110		
BM (30°-60°)	145.0	3.0	B0/220		
BH (60°-80°)	67.6	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°	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7
2.5°	685.6	660.7	665.4	655.1	641.7	610.7	578.0	545.3	516.1	509.6	480.3
5°	878.0	870.3	862.1	855.2	827.2	788.5	729.5	654.6	587.1	575.4	514.8
7.5°	1027.4	1015.8	1023.1	1002.0	972.7	935.3	860.4	780.3	676.2	658.9	564.7
10°	1137.6	1131.1	1134.5	1124.6	1110.4	1073.0	999.0	898.7	778.2	745.5	620.6
12.5°	1220.2	1221.5	1236.5	1237.4	1225.8	1195.2	1116.9	1012.3	870.7	841.4	682.6
15°	1280.4	1281.7	1300.2	1320.0	1333.4	1317.5	1246.4	1129.4	979.6	939.6	747.6
17.5°	1290.3	1291.2	1323.9	1363.9	1405.3	1419.0	1364.4	1245.6	1079.0	1033.4	822.1
20°	1296.8	1304.1	1333.4	1379.4	1444.9	1487.5	1457.8	1357.1	1175.4	1122.5	895.2
22.5°	1375.1	1375.1	1392.4	1425.1	1477.1	1543.9	1537.8	1459.5	1269.3	1216.7	968.0
25°	1541.3	1541.3	1524.5	1515.9	1543.9	1596.4	1611.4	1568.8	1376.4	1314.4	1044.6
27.5°	1761.2	1761.2	1735.0	1671.7	1647.6	1669.5	1685.5	1663.9	1475.4	1414.3	1125.5
30°	1989.3	1997.1	1951.4	1871.0	1786.6	1769.8	1754.3	1749.6	1580.9	1512.0	1207.7
32.5°	2218.3	2217.4	2160.6	2060.3	1950.2	1890.8	1840.4	1834.8	1692.8	1625.2	1285.6
35°	2401.2	2401.6	2341.8	2239.0	2111.6	2035.8	1954.9	1928.6	1815.4	1740.1	1378.6
37.5°	2559.6	2550.6	2486.0	2388.3	2269.5	2191.2	2090.5	2022.0	1942.4	1865.8	1471.5
40°	2650.4	2638.4	2575.5	2482.6	2392.6	2332.8	2244.1	2134.8	2081.9	1999.2	1577.4
42.5°	2663.8	2653.4	2611.7	2555.7	2482.1	2429.6	2406.0	2262.2	2228.2	2153.3	1704.0
45°	2626.3	2609.5	2595.8	2566.5	2545.8	2520.4	2552.7	2397.8	2396.1	2321.6	1829.2
47.5°	2533.3	2510.5	2514.0	2546.3	2569.5	2592.3	2693.0	2575.5	2565.2	2495.5	1993.6
50°	2374.5	2363.3	2401.2	2464.9	2557.0	2648.3	2832.9	2757.2	2798.0	2732.6	2220.4
52.5°	2051.7	2065.5	2178.7	2331.9	2491.2	2674.5	2964.2	3028.3	3132.9	3079.1	2448.6
55°	1664.4	1659.2	1810.3	2082.3	2336.7	2657.7	3021.4	3188.0	3352.4	3296.0	2575.5
57.5°	1340.7	1349.7	1451.7	1720.7	2074.5	2528.2	3034.8	3271.5	3440.6	3403.2	2693.0
60°	1006.3	1014.9	1107.9	1342.0	1725.9	2257.9	2924.6	3300.8	3606.3	3577.9	2880.7
62.5°	640.4	651.6	745.0	972.7	1319.2	1837.8	2677.1	3270.2	3779.4	3803.0	3136.8
65°	315.1	325.0	393.8	568.1	881.9	1374.3	2331.9	3153.6	3999.7	4067.3	3342.1
67.5°	174.3	179.0	202.7	289.2	492.0	942.6	1874.0	2904.4	4100.9	4191.3	3355.8
70°	135.6	136.9	145.9	168.7	239.7	553.1	1333.0	2489.4	3891.3	4000.6	3076.5
72.5°	114.1	115.8	120.1	127.8	149.8	287.9	837.6	1923.9	3274.1	3323.6	2380.1
75°	83.5	86.1	98.1	105.0	118.4	174.7	369.3	1156.1	2163.6	2115.0	1331.7
77.5°	70.2	72.3	75.3	85.2	97.7	119.2	129.6	484.6	880.6	765.7	349.5
80°	47.8	50.4	58.5	63.7	82.6	78.8	53.8	130.0	176.9	144.2	67.1
82.5°	34.0	36.2	40.5	52.1	59.8	41.7	29.3	39.6	42.6	40.5	22.0
85°	10.8	13.8	29.3	43.0	32.3	14.2	18.5	15.1	13.3	12.9	8.6
87.5°	2.2	2.2	14.6	17.2	12.9	7.3	6.5	4.7	6.0	6.0	4.7
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°	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7
2.5°	466.6	447.2	419.2	393.0	366.3	347.3	334.0	320.6	315.5	313.3	307.7
5°	487.2	450.2	394.7	349.9	317.2	296.5	284.1	273.3	266.4	264.3	261.3
7.5°	516.9	463.5	383.9	332.3	299.6	277.2	257.0	233.7	215.2	207.9	204.9
10°	549.2	483.8	385.6	328.8	285.4	236.3	191.1	153.7	137.3	131.3	127.0
12.5°	596.5	506.2	393.0	325.0	242.7	168.7	122.2	106.7	102.9	102.0	101.1
15°	643.9	537.6	405.0	299.1	181.2	114.9	101.6	96.0	93.8	91.7	91.7
17.5°	691.7	567.7	409.7	248.8	125.2	99.4	92.5	87.8	84.4	82.6	81.3
20°	745.5	599.6	396.0	187.2	100.3	90.8	83.1	77.5	74.5	72.7	71.4
22.5°	803.6	631.0	365.8	130.4	91.2	81.8	74.5	68.9	65.9	64.1	63.7
25°	858.2	658.1	317.6	98.1	82.2	73.2	66.3	61.5	59.4	57.7	57.2
27.5°	914.6	681.3	254.8	86.5	74.9	66.3	59.4	55.5	53.4	52.1	51.6
30°	969.7	697.3	189.8	79.2	68.4	59.8	53.8	50.8	48.6	47.3	46.9
32.5°	1026.5	706.3	128.3	72.7	62.0	54.2	49.1	46.1	44.8	43.5	43.5
35°	1081.2	705.0	92.5	66.7	56.8	49.1	44.3	42.2	41.7	40.5	40.5
37.5°	1141.0	696.0	78.8	61.1	51.2	44.3	40.5	39.2	38.7	37.9	37.4
40°	1209.0	675.7	71.9	56.8	46.5	40.5	37.0	36.2	35.7	34.9	34.9
42.5°	1283.5	649.5	68.0	52.1	42.6	36.6	34.0	32.7	32.3	31.4	31.4
45°	1370.0	624.5	65.4	47.3	39.2	33.6	31.0	29.7	29.3	28.4	28.4
47.5°	1487.9	610.3	61.1	43.0	35.3	30.6	28.0	27.1	26.3	25.4	25.4
50°	1650.2	593.5	55.5	38.7	32.3	27.5	25.8	24.5	24.1	23.2	23.2
52.5°	1783.6	557.8	49.9	34.4	28.8	25.4	23.7	22.8	22.0	21.5	21.5
55°	1830.5	516.1	44.3	31.0	26.3	23.7	22.0	21.1	20.7	20.2	20.2
57.5°	1905.4	502.7	39.2	27.5	23.7	22.0	20.2	19.8	19.4	18.9	18.5
60°	2033.2	510.5	34.4	24.5	21.5	19.8	18.5	18.1	17.2	16.4	16.4
62.5°	2157.2	501.0	29.3	21.5	18.5	17.6	16.4	15.5	13.8	12.5	11.6
65°	2187.3	437.7	25.4	18.1	15.5	14.6	13.3	11.6	9.0	7.3	7.3
67.5°	2041.4	332.7	22.0	15.5	12.9	12.1	9.5	7.7	5.6	4.3	4.3
70°	1684.6	210.9	18.1	12.1	10.8	8.2	6.0	5.6	3.9	3.4	3.0
72.5°	1215.5	115.3	15.1	9.9	7.7	5.2	4.3	3.4	2.6	1.7	1.7
75°	615.5	54.2	11.2	7.7	5.2	3.4	2.6	1.7	1.7	1.3	1.3
77.5°	174.3	25.0	7.3	5.2	3.4	2.2	1.7	1.3	1.3	0.9	0.9
80°	34.4	12.5	4.7	3.4	2.6	1.7	1.3	0.9	0.9	0.4	0.4
82.5°	12.5	6.5	3.4	2.6	2.2	1.7	0.9	0.4	0.4	0.0	0.0
85°	6.5	3.4	2.6	2.2	1.7	1.3	0.9	0.4	0.0	0.0	0.0
87.5°	3.4	2.6	2.2	2.2	1.7	1.3	0.9	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)