

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: P674774

Luminaire Tested: **CCP-SA-2A-840-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674774
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-840-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

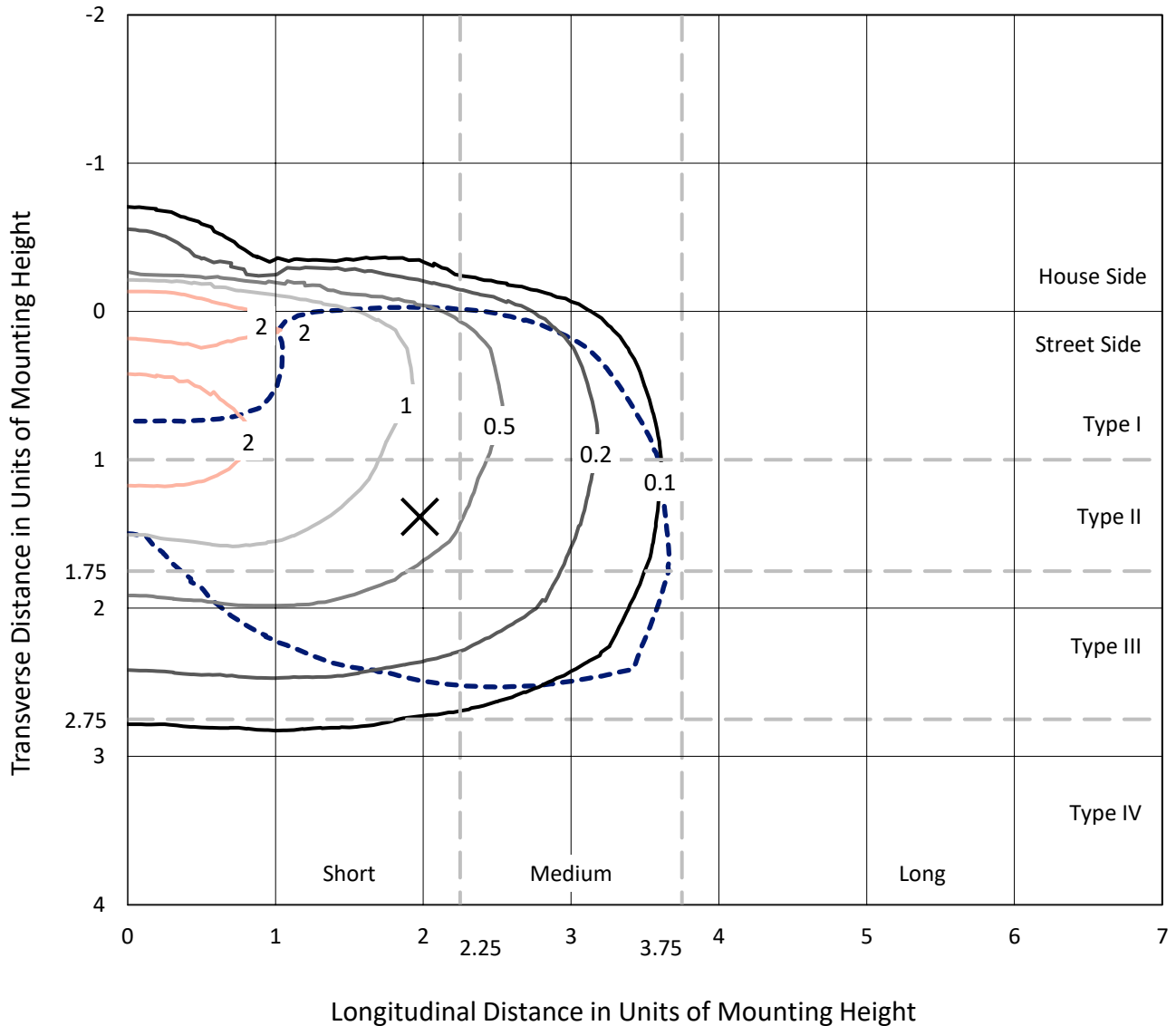
Lumens per Lamp: N/A
Luminaire Lumens: 3699.9 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

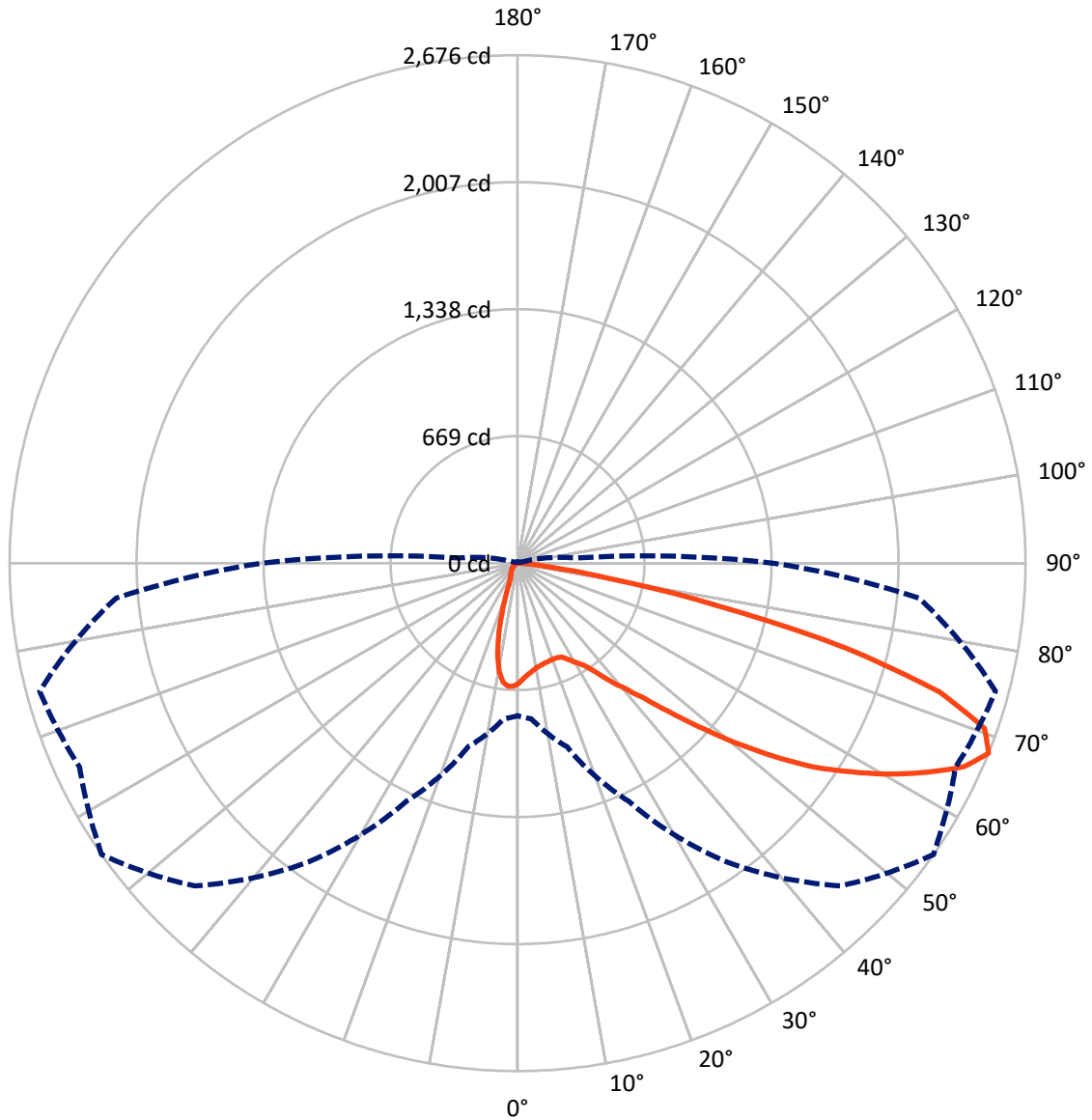
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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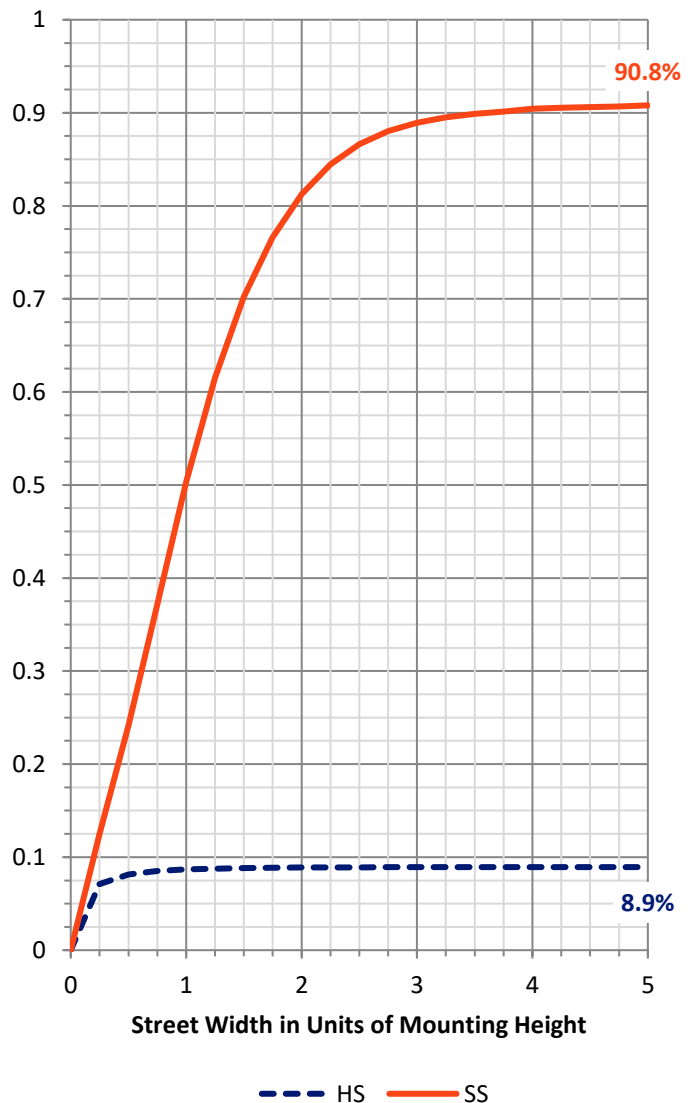
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.4	0.0	332.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3367.5	0.0	3367.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	3699.9	0.0	3699.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	1.5
10°-20°	126.7	3.4
20°-30°	203.3	5.5
30°-40°	352.6	9.5
40°-50°	587.9	15.9
50°-60°	859.6	23.2
60°-70°	1002.3	27.1
70°-80°	486.4	13.1
80°-90°	25.4	0.7
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°	3699.9	100.0
0°-180°	3699.9	100.0



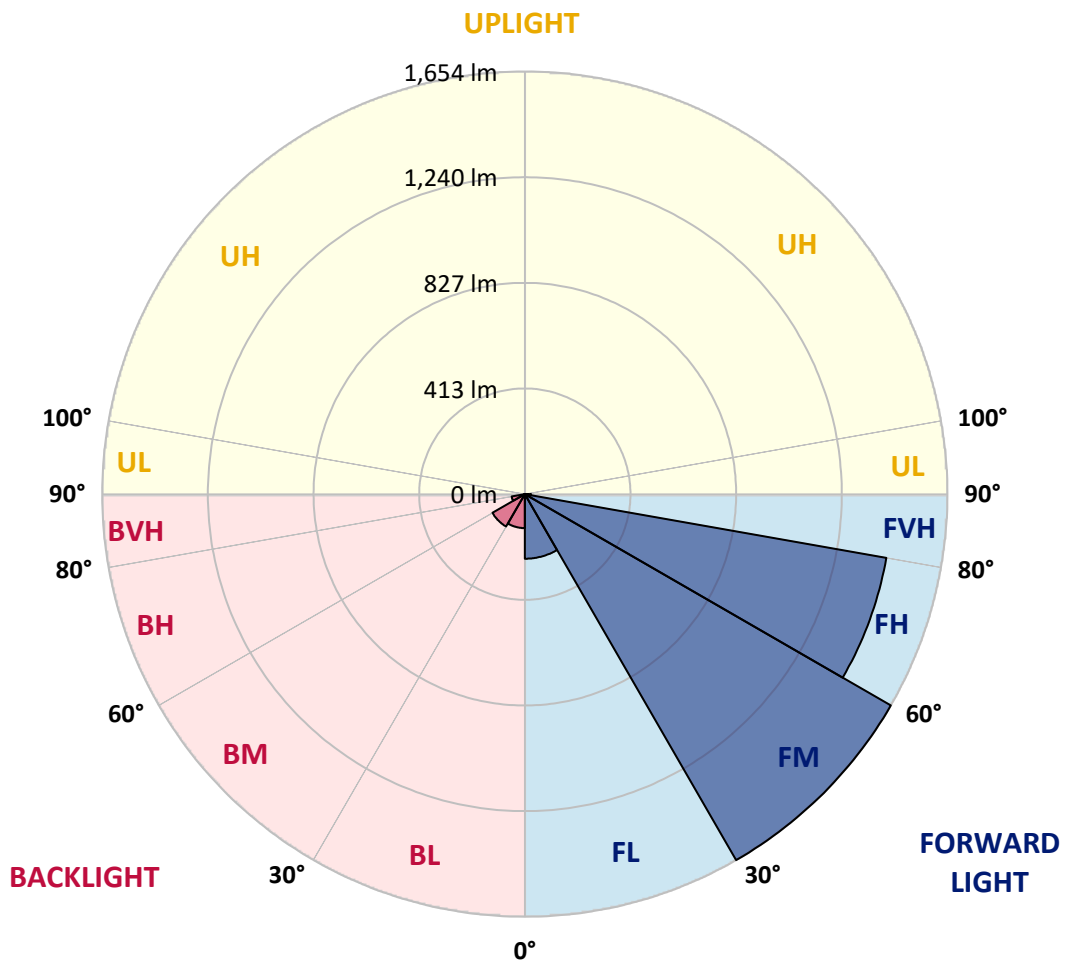
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.7	6.8			
FM (30°-60°)	1653.7	44.7			
FH (60°-80°)	1436.3	38.8			G1/1800
FVH (80°-90°)	24.7	0.7			G1/100
BL (0°-30°)	132.9	3.6	B1/500		
BM (30°-60°)	146.3	4.0	B0/220		
BH (60°-80°)	52.4	1.4	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1
2.5°	585.3	589.1	593.8	595.5	601.3	609.5	607.1	605.4	614.6	627.2	631.3
5°	548.8	549.2	556.7	562.1	572.0	579.8	588.4	587.7	604.4	625.9	639.5
7.5°	513.0	513.7	521.6	530.1	544.4	559.7	572.7	572.0	598.9	627.6	653.5
10°	466.0	469.4	478.9	493.9	516.4	540.6	558.7	560.4	592.8	634.1	672.6
12.5°	428.2	429.9	440.4	459.9	486.4	518.1	551.9	550.9	594.2	646.0	697.5
15°	412.1	411.1	417.6	431.9	462.2	502.1	545.1	547.5	598.9	659.6	723.4
17.5°	415.9	414.9	418.3	423.4	444.9	488.8	541.3	545.4	606.4	673.9	747.6
20°	457.5	450.3	444.2	438.7	441.8	477.9	538.9	543.4	610.9	684.8	773.1
22.5°	537.6	528.7	512.4	482.0	461.9	478.6	539.6	545.4	620.8	702.6	804.2
25°	668.1	659.6	624.5	562.5	509.3	503.1	548.8	555.0	643.6	729.5	837.2
27.5°	841.0	821.9	779.3	690.3	587.7	542.4	576.4	583.3	676.0	750.3	859.7
30°	984.5	980.1	939.1	830.1	695.8	600.0	607.5	611.2	690.6	762.9	882.2
32.5°	1133.5	1124.2	1086.7	980.7	821.2	682.1	642.2	643.9	709.7	781.7	914.9
35°	1263.0	1254.5	1223.1	1120.2	967.8	792.6	699.8	696.1	749.3	822.9	959.3
37.5°	1383.0	1382.0	1354.3	1249.4	1099.4	907.1	784.7	781.7	811.0	868.2	1019.3
40°	1500.2	1497.5	1474.0	1378.2	1228.9	1021.3	865.5	857.7	863.5	931.6	1098.3
42.5°	1572.2	1578.0	1586.1	1525.5	1382.6	1155.3	967.8	963.0	962.0	1030.8	1202.3
45°	1611.0	1621.3	1669.3	1663.9	1545.6	1322.0	1113.3	1101.1	1097.0	1167.2	1321.3
47.5°	1648.9	1653.3	1732.0	1765.1	1701.7	1495.8	1289.2	1272.2	1255.5	1333.6	1463.4
50°	1651.3	1658.4	1755.9	1836.4	1832.6	1666.9	1486.6	1471.6	1452.5	1536.0	1602.2
52.5°	1617.9	1632.2	1752.8	1881.4	1913.7	1818.0	1691.5	1679.2	1663.5	1725.9	1719.1
55°	1387.1	1411.3	1692.8	1885.4	1970.7	1947.5	1897.4	1880.3	1865.0	1909.3	1833.6
57.5°	1277.3	1290.9	1510.8	1882.4	2043.3	2067.5	2076.0	2068.2	2046.7	2101.9	1953.3
60°	1211.5	1231.3	1423.9	1848.3	2121.7	2203.2	2256.7	2241.0	2214.7	2290.8	2081.5
62.5°	1132.8	1147.1	1337.3	1750.1	2168.4	2341.2	2426.1	2411.8	2357.6	2465.0	2185.1
65°	987.6	1009.0	1199.6	1595.7	2105.7	2442.5	2585.6	2580.9	2486.8	2596.5	2213.4
67.5°	803.8	823.2	1000.8	1384.0	1922.3	2404.6	2676.0	2661.0	2545.4	2606.4	2123.7
70°	603.4	613.9	747.9	1057.4	1574.9	2202.5	2610.5	2607.4	2456.4	2459.8	1848.6
72.5°	323.8	353.2	497.4	707.7	1107.5	1783.9	2326.6	2314.3	2191.6	2014.6	1329.5
75°	113.2	121.7	264.9	397.5	601.7	1188.3	1789.0	1760.3	1639.0	1310.4	724.4
77.5°	69.5	76.4	117.6	203.2	234.2	515.8	1074.8	1037.7	959.3	566.6	247.5
80°	48.1	54.2	78.7	106.4	79.8	167.0	494.6	480.7	369.9	135.0	56.9
82.5°	26.9	32.4	59.7	52.2	32.0	43.3	171.5	158.9	98.5	36.5	19.1
85°	15.7	18.7	41.9	36.8	16.4	15.3	44.7	39.9	25.6	13.6	9.2
87.5°	8.2	10.6	30.7	24.5	9.9	5.5	10.2	9.9	6.5	4.8	6.1
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°	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1
2.5°	638.8	637.1	646.0	649.0	648.4	647.0	650.4	646.0	645.6	644.6	643.6
5°	650.4	653.1	660.3	660.3	650.8	635.1	625.5	612.6	601.7	595.2	594.2
7.5°	667.8	673.3	678.0	663.4	630.6	591.8	550.5	518.1	489.9	475.2	473.8
10°	692.3	697.5	693.7	651.8	581.6	501.1	433.9	366.5	332.7	314.3	314.3
12.5°	721.7	725.7	702.9	622.8	500.8	384.2	294.5	223.6	189.9	168.1	166.7
15°	753.4	754.4	701.5	572.3	400.9	258.1	169.1	124.1	109.8	106.7	106.0
17.5°	781.0	776.9	687.2	497.7	288.7	153.7	107.4	97.2	94.4	94.4	94.4
20°	806.9	793.2	658.6	410.8	185.1	104.7	92.4	89.7	89.7	90.0	90.0
22.5°	835.5	808.6	617.7	314.3	119.0	89.7	86.6	85.2	84.9	85.9	85.6
25°	869.3	823.6	559.1	217.1	92.0	83.5	82.2	80.8	80.8	80.8	80.8
27.5°	888.0	821.5	492.2	137.0	80.4	77.4	76.0	74.7	73.6	73.3	73.6
30°	904.4	809.6	405.0	95.8	72.6	69.2	68.2	66.5	64.4	63.7	63.7
32.5°	925.8	799.7	313.6	77.0	65.8	62.0	59.0	56.2	52.8	51.5	51.1
35°	949.7	781.7	229.8	67.8	59.7	54.9	50.1	45.7	41.2	39.9	39.5
37.5°	979.4	765.3	155.8	62.7	54.5	48.7	42.3	36.1	32.0	31.4	31.4
40°	1019.6	751.7	107.7	58.3	49.8	43.0	35.1	28.6	25.9	25.2	25.2
42.5°	1074.5	740.4	81.5	54.5	45.7	37.2	28.3	23.5	21.5	20.8	20.8
45°	1139.2	723.0	68.9	51.1	41.6	31.4	23.5	19.8	18.7	18.7	18.7
47.5°	1213.6	701.2	62.7	47.7	37.2	25.6	19.8	18.1	17.7	17.7	18.1
50°	1288.6	675.3	58.3	43.6	32.0	21.8	18.1	17.0	17.0	17.4	17.4
52.5°	1339.3	634.7	53.9	39.2	26.9	19.1	17.0	16.7	16.4	16.4	16.4
55°	1388.8	599.3	47.7	34.4	22.5	17.7	16.4	16.0	16.0	15.7	15.7
57.5°	1440.2	571.3	39.9	28.6	19.1	16.7	15.7	15.7	15.0	14.7	14.7
60°	1499.9	546.8	30.7	22.5	16.7	15.7	14.7	14.3	13.6	13.0	13.0
62.5°	1517.3	495.0	23.2	18.1	14.3	13.6	13.3	12.6	10.9	9.5	9.9
65°	1472.0	413.5	18.4	14.3	11.6	11.6	10.6	8.9	7.2	6.1	6.1
67.5°	1346.8	308.8	15.0	11.2	9.2	8.9	7.5	6.5	4.4	3.7	3.7
70°	1109.9	204.2	12.3	8.9	7.5	6.1	5.1	4.8	3.4	2.7	2.7
72.5°	777.9	110.8	10.2	7.2	5.5	4.1	3.4	3.1	2.4	2.0	1.7
75°	410.8	42.6	8.2	5.5	3.4	2.7	2.0	2.0	1.7	1.4	1.4
77.5°	140.8	18.1	5.8	3.1	2.4	1.7	1.4	1.0	1.4	1.0	1.0
80°	33.4	10.6	3.7	2.0	1.4	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	14.7	6.1	2.4	1.4	1.4	1.0	0.7	0.3	0.3	0.3	0.3
85°	9.9	3.7	1.7	1.4	1.0	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	7.8	2.4	1.4	1.4	1.0	0.7	0.3	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)