

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: P674626

Luminaire Tested: **CCP-SA-1C-840-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674626
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-840-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

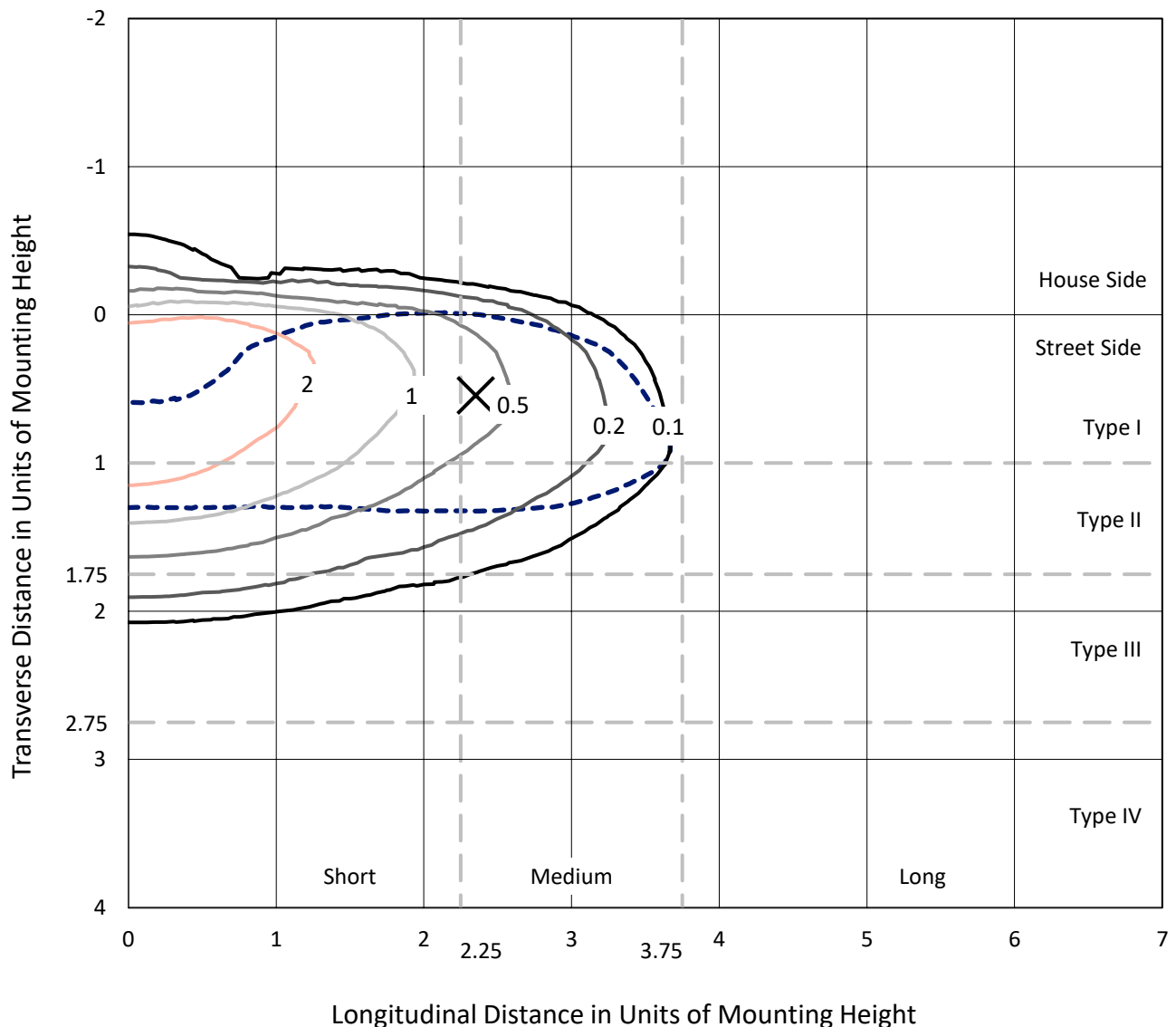
Lumens per Lamp: N/A
Luminaire Lumens: 3121.3 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

REPORT NUMBER: P674626
 CATALOG NUMBER: CCP-SA-1C-840-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

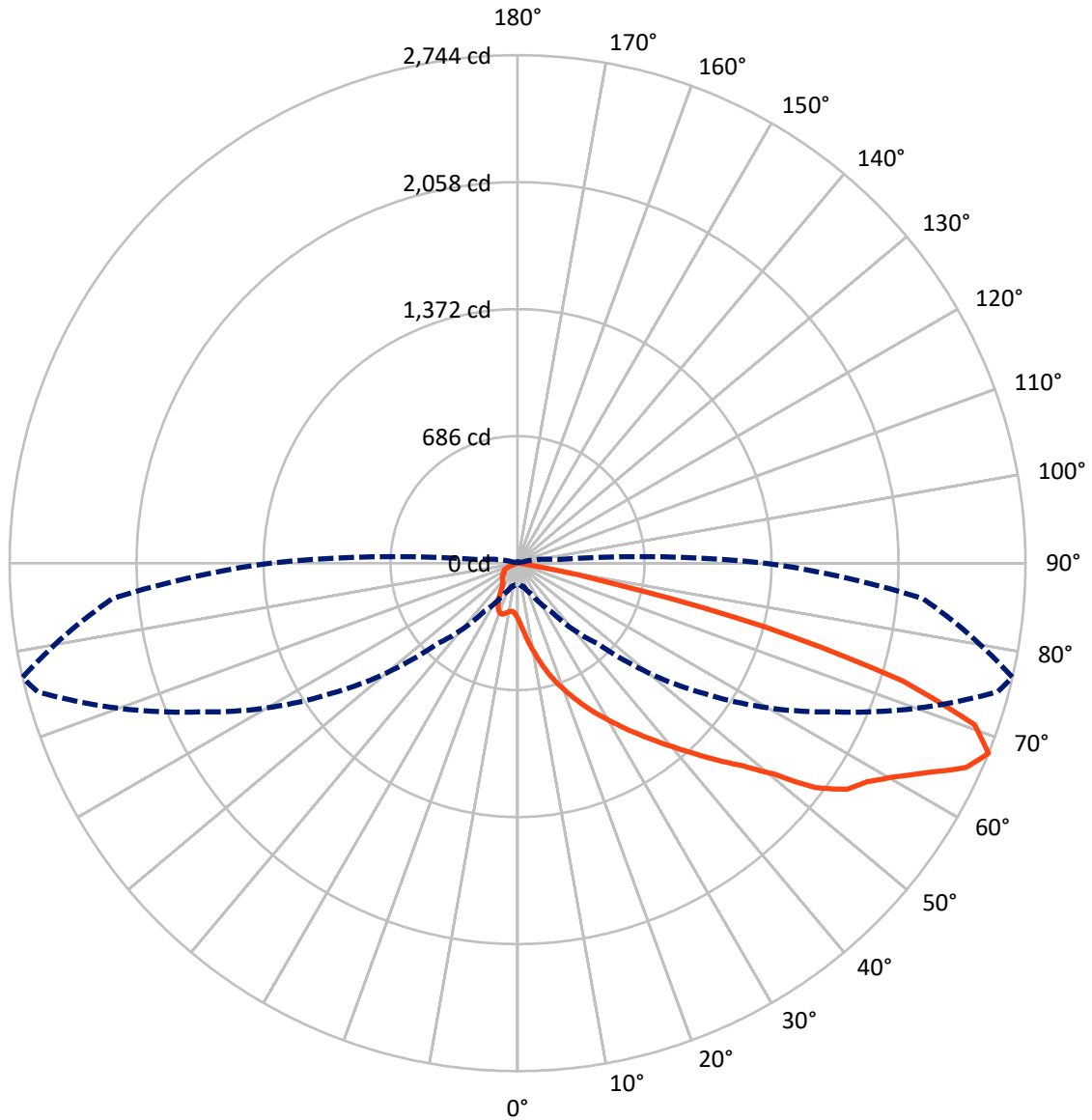
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P674626
CATALOG NUMBER: CCP-SA-1C-840-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674626
 CATALOG NUMBER: CCP-SA-1C-840-U-T2R-HSS

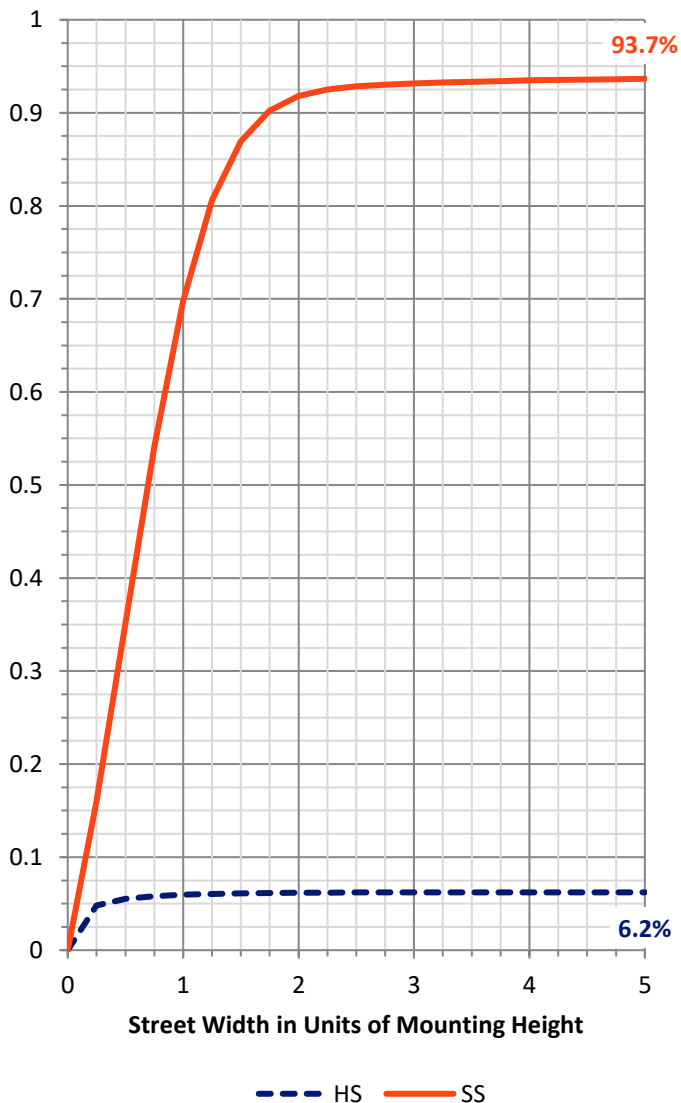
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	195.0	0.0	195.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2926.2	0.0	2926.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	3121.3	0.0	3121.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	1.1
10°-20°	129.9	4.2
20°-30°	253.8	8.1
30°-40°	443.8	14.2
40°-50°	647.2	20.7
50°-60°	756.8	24.2
60°-70°	613.5	19.7
70°-80°	230.5	7.4
80°-90°	10.5	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°	3121.3	100.0
0°-180°	3121.3	100.0



REPORT NUMBER: P674626

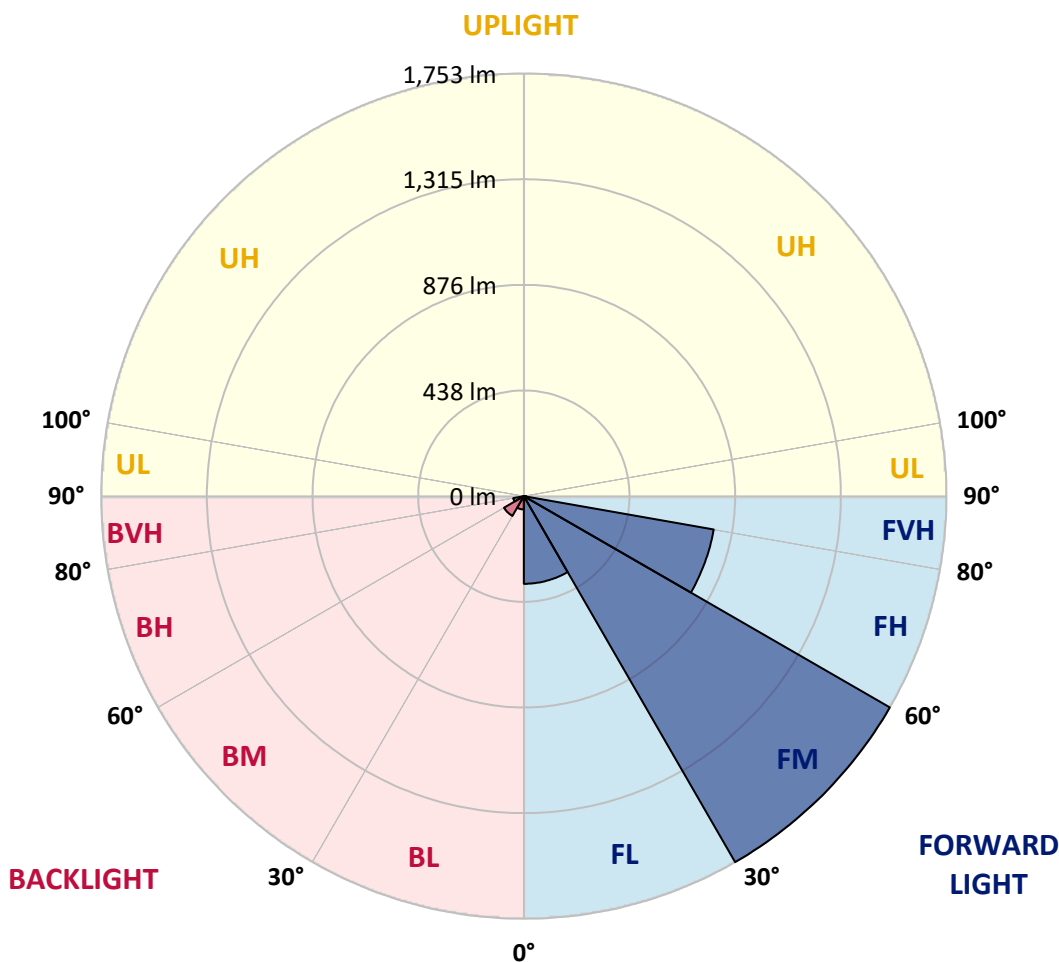
CATALOG NUMBER: CCP-SA-1C-840-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.6	11.6			
FM (30°-60°)	1753.0	56.2			
FH (60°-80°)	799.8	25.6			G1/1800
FVH (80°-90°)	9.9	0.3			G0/10
BL (0°-30°)	55.3	1.8	B0/110		
BM (30°-60°)	94.9	3.0	B0/220		
BH (60°-80°)	44.2	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





REPORT NUMBER: P674626
 CATALOG NUMBER: CCP-SA-1C-840-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0
2.5°	448.9	432.5	435.6	428.9	420.1	399.8	378.4	357.0	337.8	333.6	314.5
5°	574.8	569.7	564.4	559.9	541.6	516.2	477.6	428.6	384.3	376.7	337.0
7.5°	672.6	665.0	669.8	656.0	636.8	612.3	563.3	510.8	442.7	431.4	369.7
10°	744.7	740.5	742.7	736.3	727.0	702.5	654.0	588.3	509.4	488.0	406.3
12.5°	798.8	799.7	809.5	810.1	802.5	782.5	731.2	662.7	570.0	550.9	446.9
15°	838.3	839.1	851.2	864.2	872.9	862.5	816.0	739.4	641.3	615.1	489.4
17.5°	844.7	845.3	866.7	892.9	920.0	929.0	893.2	815.4	706.4	676.5	538.2
20°	849.0	853.8	872.9	903.1	945.9	973.8	954.4	888.4	769.5	734.9	586.1
22.5°	900.3	900.3	911.5	932.9	967.0	1010.7	1006.8	955.5	830.9	796.6	633.7
25°	1009.0	1009.0	998.0	992.4	1010.7	1045.1	1054.9	1027.1	901.1	860.5	683.9
27.5°	1153.0	1153.0	1135.8	1094.4	1078.6	1093.0	1103.4	1089.3	965.9	925.9	736.8
30°	1302.3	1307.4	1277.5	1224.9	1169.6	1158.6	1148.5	1145.4	1034.9	989.9	790.6
32.5°	1452.2	1451.7	1414.5	1348.8	1276.7	1237.8	1204.8	1201.2	1108.2	1064.0	841.6
35°	1572.0	1572.3	1533.1	1465.8	1382.4	1332.8	1279.8	1262.6	1188.5	1139.2	902.5
37.5°	1675.7	1669.8	1627.5	1563.5	1485.8	1434.5	1368.6	1323.8	1271.6	1221.5	963.4
40°	1735.1	1727.3	1686.1	1625.3	1566.4	1527.2	1469.2	1397.6	1362.9	1308.8	1032.7
42.5°	1743.9	1737.1	1709.8	1673.2	1625.0	1590.6	1575.1	1481.0	1458.7	1409.7	1115.5
45°	1719.4	1708.4	1699.4	1680.2	1666.7	1650.0	1671.2	1569.7	1568.6	1519.9	1197.5
47.5°	1658.5	1643.6	1645.8	1667.0	1682.2	1697.1	1763.0	1686.1	1679.4	1633.7	1305.2
50°	1554.5	1547.2	1572.0	1613.7	1674.0	1733.7	1854.6	1805.0	1831.8	1789.0	1453.7
52.5°	1343.2	1352.2	1426.3	1526.6	1630.9	1750.9	1940.6	1982.5	2051.0	2015.8	1603.0
55°	1089.6	1086.2	1185.1	1363.2	1529.7	1739.9	1978.0	2087.1	2194.7	2157.8	1686.1
57.5°	877.7	883.6	950.4	1126.5	1358.1	1655.1	1986.8	2141.7	2252.5	2228.0	1763.0
60°	658.8	664.4	725.3	878.6	1129.9	1478.2	1914.6	2160.9	2361.0	2342.4	1885.9
62.5°	419.3	426.6	487.7	636.8	863.6	1203.2	1752.6	2140.9	2474.2	2489.7	2053.5
65°	206.3	212.7	257.8	371.9	577.3	899.7	1526.6	2064.5	2618.5	2662.7	2187.9
67.5°	114.1	117.2	132.7	189.3	322.1	617.1	1226.8	1901.4	2684.7	2743.9	2197.0
70°	88.8	89.6	95.5	110.5	156.9	362.1	872.6	1629.8	2547.5	2619.1	2014.1
72.5°	74.7	75.8	78.6	83.7	98.1	188.5	548.3	1259.5	2143.4	2175.8	1558.2
75°	54.7	56.4	64.2	68.8	77.5	114.4	241.8	756.8	1416.5	1384.6	871.8
77.5°	45.9	47.3	49.3	55.8	64.0	78.1	84.8	317.3	576.5	501.3	228.8
80°	31.3	33.0	38.3	41.7	54.1	51.6	35.2	85.1	115.8	94.4	44.0
82.5°	22.3	23.7	26.5	34.1	39.2	27.3	19.2	25.9	27.9	26.5	14.4
85°	7.0	9.0	19.2	28.2	21.1	9.3	12.1	9.9	8.7	8.5	5.6
87.5°	1.4	1.4	9.6	11.3	8.5	4.8	4.2	3.1	3.9	3.9	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674626
 CATALOG NUMBER: CCP-SA-1C-840-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0
2.5°	305.4	292.8	274.4	257.3	239.8	227.4	218.7	209.9	206.5	205.1	201.5
5°	319.0	294.7	258.4	229.1	207.7	194.1	186.0	178.9	174.4	173.0	171.0
7.5°	338.4	303.5	251.3	217.5	196.1	181.5	168.2	153.0	140.9	136.1	134.1
10°	359.5	316.7	252.5	215.3	186.8	154.7	125.1	100.6	89.9	85.9	83.1
12.5°	390.5	331.4	257.3	212.7	158.9	110.5	80.0	69.9	67.3	66.8	66.2
15°	421.5	351.9	265.1	195.8	118.6	75.2	66.5	62.8	61.4	60.0	60.0
17.5°	452.8	371.7	268.2	162.9	82.0	65.1	60.6	57.5	55.2	54.1	53.3
20°	488.0	392.5	259.2	122.6	65.7	59.5	54.4	50.7	48.7	47.6	46.8
22.5°	526.1	413.1	239.5	85.4	59.7	53.5	48.7	45.1	43.1	42.0	41.7
25°	561.9	430.8	207.9	64.2	53.8	47.9	43.4	40.3	38.9	37.8	37.5
27.5°	598.8	446.0	166.8	56.6	49.0	43.4	38.9	36.3	34.9	34.1	33.8
30°	634.8	456.5	124.3	51.8	44.8	39.2	35.2	33.2	31.8	31.0	30.7
32.5°	672.0	462.4	84.0	47.6	40.6	35.5	32.1	30.1	29.3	28.5	28.5
35°	707.8	461.5	60.6	43.7	37.2	32.1	29.0	27.6	27.3	26.5	26.5
37.5°	747.0	455.6	51.6	40.0	33.5	29.0	26.5	25.6	25.4	24.8	24.5
40°	791.5	442.4	47.1	37.2	30.4	26.5	24.2	23.7	23.4	22.8	22.8
42.5°	840.2	425.2	44.5	34.1	27.9	24.0	22.3	21.4	21.1	20.6	20.6
45°	896.9	408.8	42.8	31.0	25.6	22.0	20.3	19.4	19.2	18.6	18.6
47.5°	974.1	399.6	40.0	28.2	23.1	20.0	18.3	17.8	17.2	16.6	16.6
50°	1080.3	388.6	36.3	25.4	21.1	18.0	16.9	16.1	15.8	15.2	15.2
52.5°	1167.7	365.2	32.7	22.5	18.9	16.6	15.5	14.9	14.4	14.1	14.1
55°	1198.4	337.8	29.0	20.3	17.2	15.5	14.4	13.8	13.5	13.2	13.2
57.5°	1247.4	329.1	25.6	18.0	15.5	14.4	13.2	13.0	12.7	12.4	12.1
60°	1331.1	334.2	22.5	16.1	14.1	13.0	12.1	11.8	11.3	10.7	10.7
62.5°	1412.2	328.0	19.2	14.1	12.1	11.6	10.7	10.1	9.0	8.2	7.6
65°	1432.0	286.6	16.6	11.8	10.1	9.6	8.7	7.6	5.9	4.8	4.8
67.5°	1336.4	217.8	14.4	10.1	8.5	7.9	6.2	5.1	3.7	2.8	2.8
70°	1102.8	138.1	11.8	7.9	7.0	5.4	3.9	3.7	2.5	2.3	2.0
72.5°	795.7	75.5	9.9	6.5	5.1	3.4	2.8	2.3	1.7	1.1	1.1
75°	402.9	35.5	7.3	5.1	3.4	2.3	1.7	1.1	1.1	0.8	0.8
77.5°	114.1	16.3	4.8	3.4	2.3	1.4	1.1	0.8	0.8	0.6	0.6
80°	22.5	8.2	3.1	2.3	1.7	1.1	0.8	0.6	0.6	0.3	0.3
82.5°	8.2	4.2	2.3	1.7	1.4	1.1	0.6	0.3	0.3	0.0	0.0
85°	4.2	2.3	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.0	0.0
87.5°	2.3	1.7	1.4	1.4	1.1	0.8	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)