

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: P674596

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674596
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

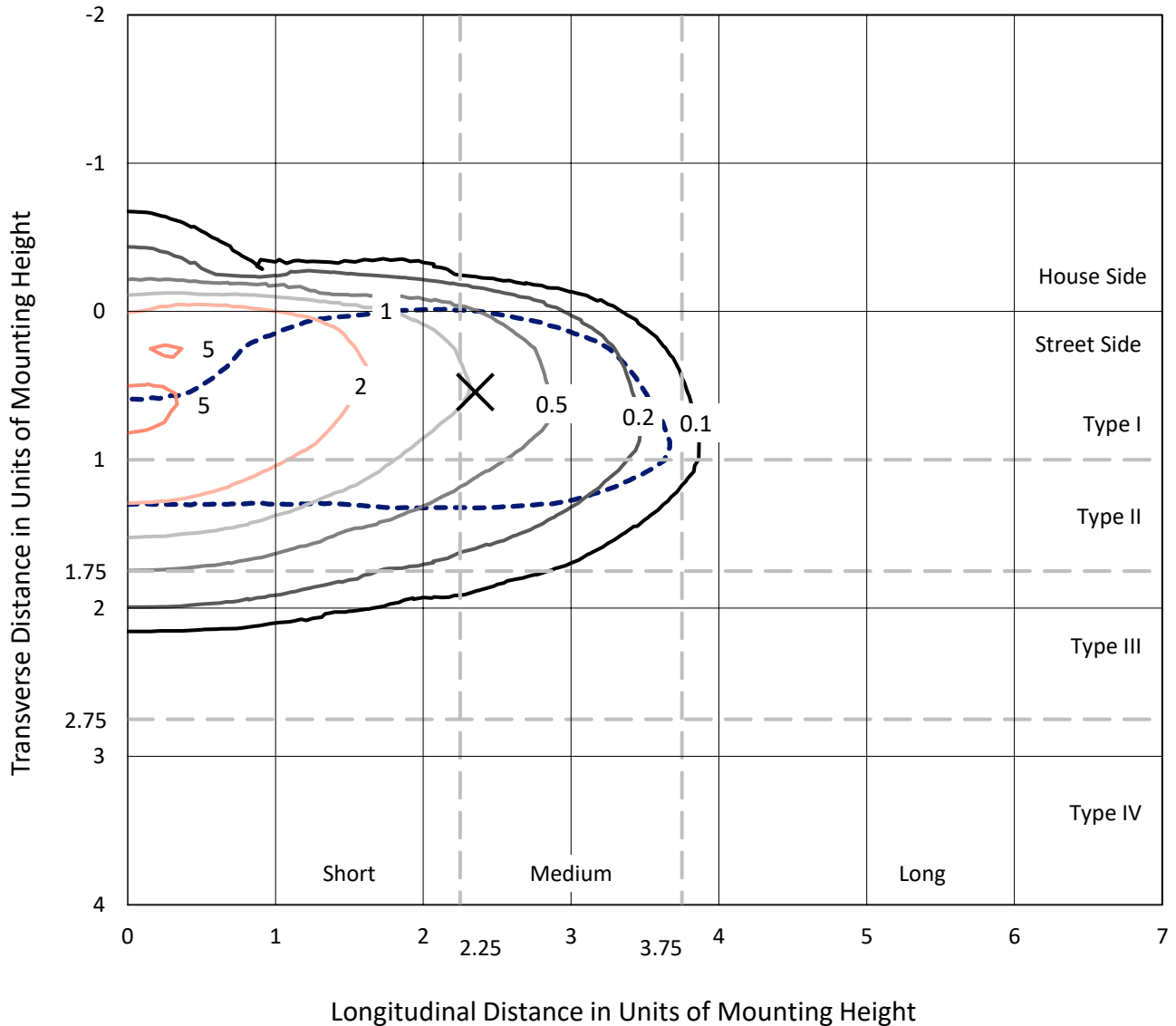
Lumens per Lamp: N/A
Luminaire Lumens: 4462.7 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 67
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

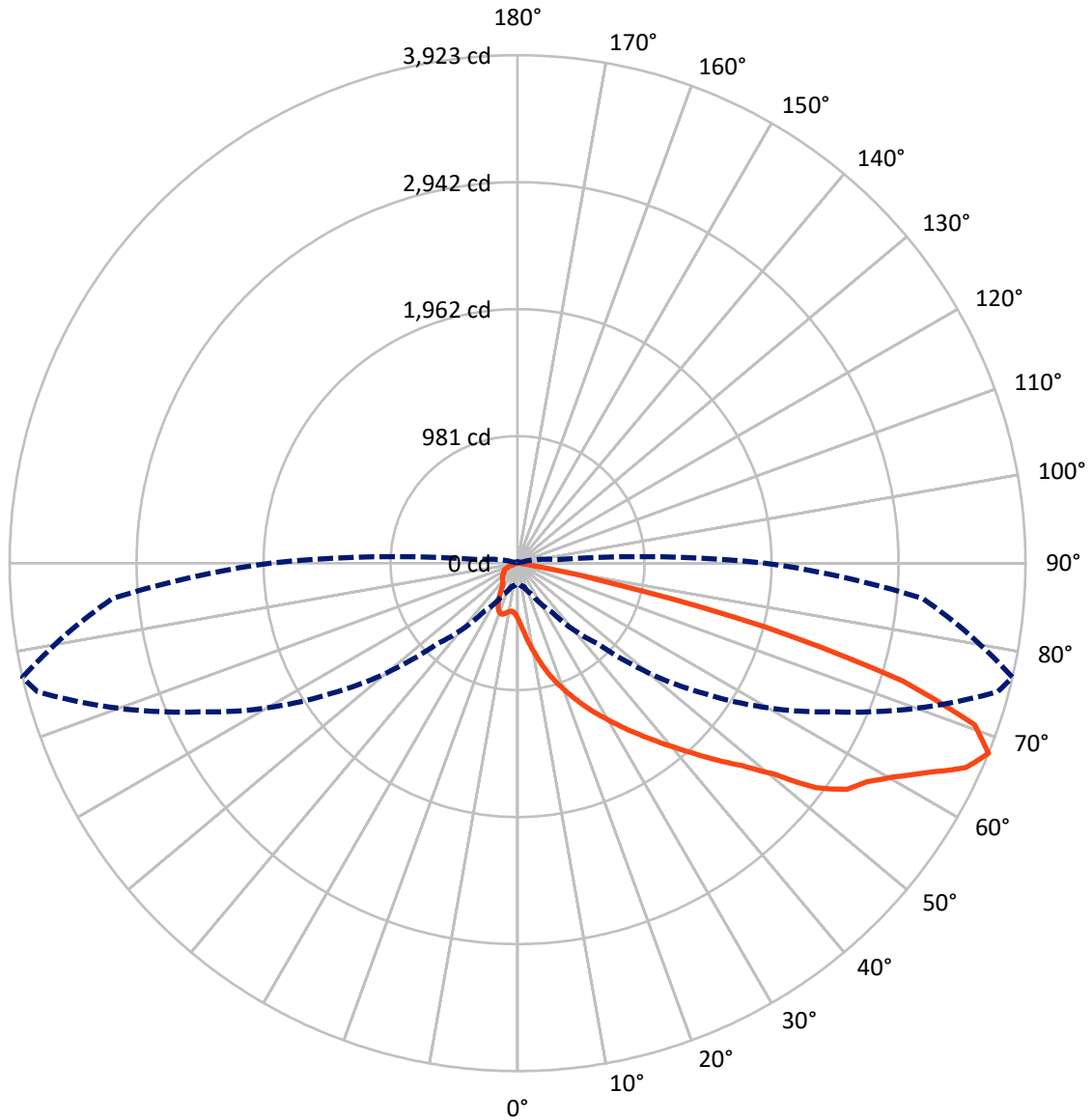
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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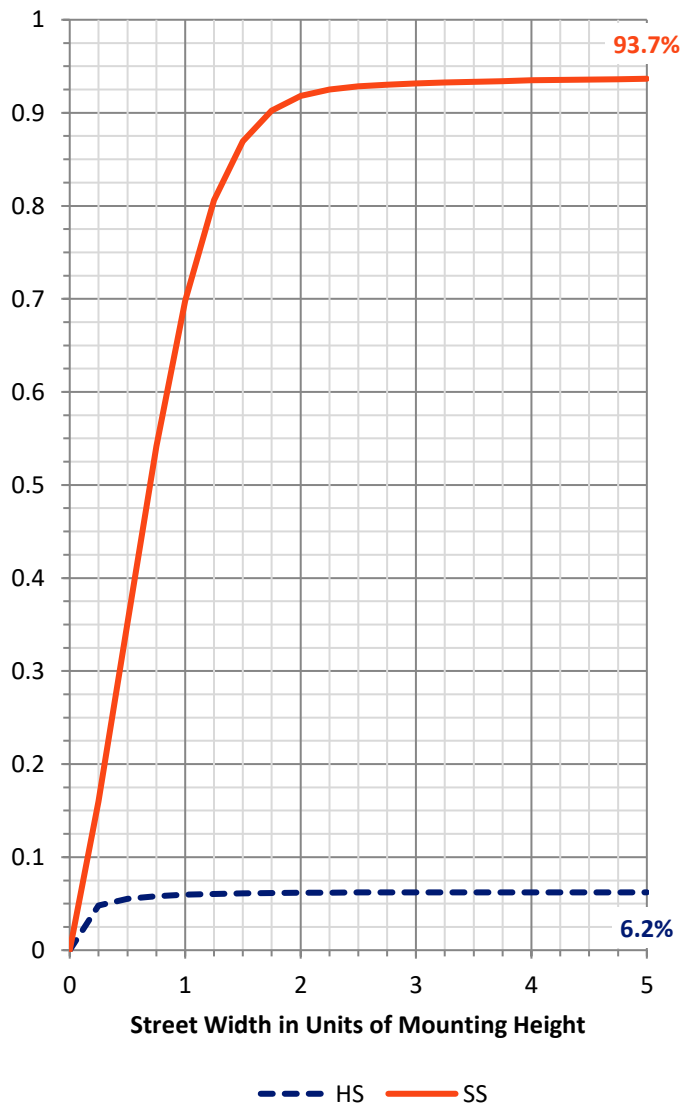
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	278.9	0.0	278.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4183.8	0.0	4183.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	4462.7	0.0	4462.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	1.1
10°-20°	185.8	4.2
20°-30°	362.9	8.1
30°-40°	634.5	14.2
40°-50°	925.4	20.7
50°-60°	1082.1	24.2
60°-70°	877.2	19.7
70°-80°	329.5	7.4
80°-90°	15.0	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°	4462.7	100.0
0°-180°	4462.7	100.0



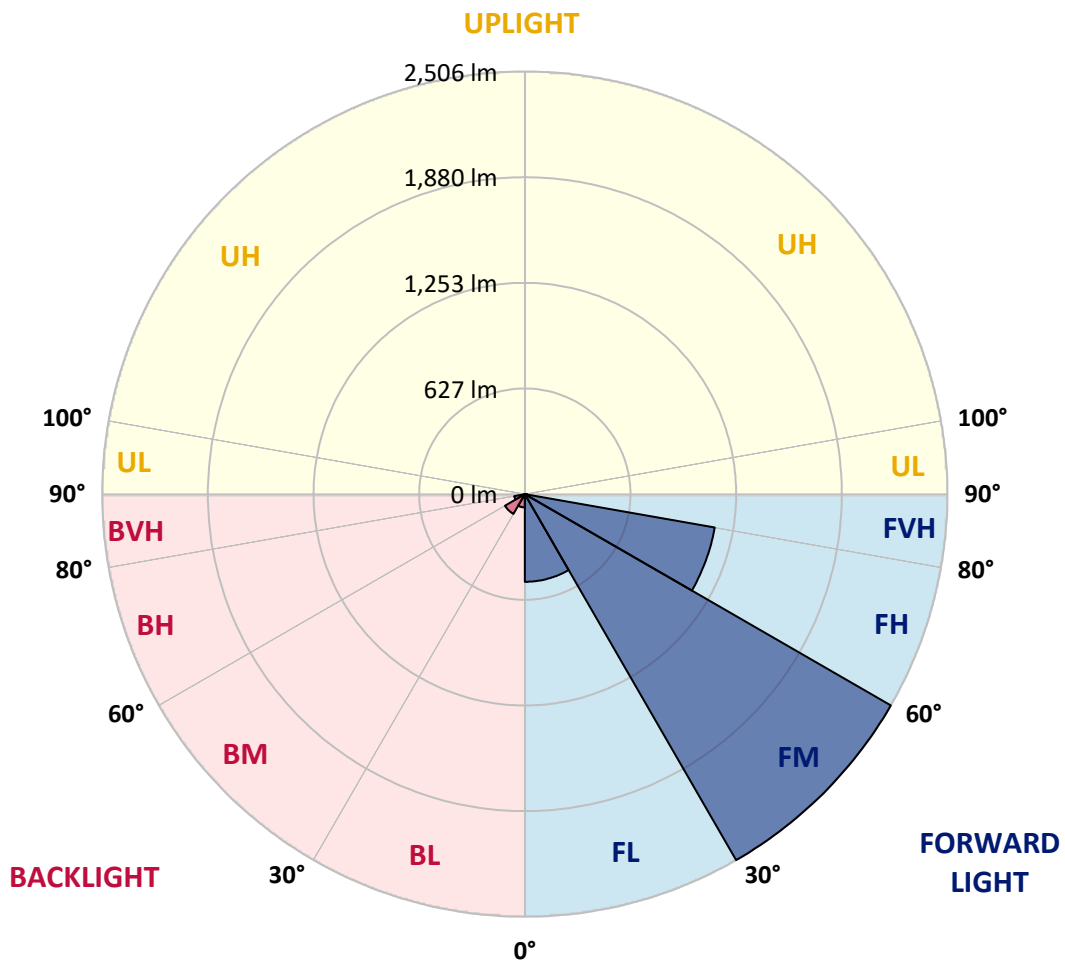
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.9	11.6			
FM (30°-60°)	2506.4	56.2			
FH (60°-80°)	1143.5	25.6			G1/1800
FVH (80°-90°)	14.1	0.3			G1/100
BL (0°-30°)	79.1	1.8	B0/110		
BM (30°-60°)	135.7	3.0	B0/220		
BH (60°-80°)	63.2	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°	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4
2.5°	641.8	618.4	622.8	613.2	600.7	571.7	541.1	510.4	483.0	477.0	449.6
5°	821.9	814.6	806.9	800.5	774.3	738.1	682.9	612.8	549.5	538.6	481.8
7.5°	961.6	950.8	957.6	937.9	910.5	875.4	805.3	730.4	632.9	616.8	528.6
10°	1064.8	1058.7	1062.0	1052.7	1039.4	1004.4	935.1	841.2	728.4	697.8	580.9
12.5°	1142.1	1143.3	1157.4	1158.2	1147.4	1118.8	1045.4	947.5	815.0	787.6	638.9
15°	1198.5	1199.7	1217.1	1235.6	1248.1	1233.2	1166.7	1057.1	916.9	879.5	699.8
17.5°	1207.8	1208.6	1239.2	1276.7	1315.4	1328.3	1277.1	1165.9	1010.0	967.3	769.5
20°	1213.8	1220.7	1248.1	1291.2	1352.4	1392.3	1364.5	1270.2	1100.2	1050.7	838.0
22.5°	1287.2	1287.2	1303.3	1333.9	1382.6	1445.1	1439.4	1366.1	1188.1	1138.9	906.1
25°	1442.7	1442.7	1427.0	1418.9	1445.1	1494.2	1508.3	1468.5	1288.4	1230.4	977.8
27.5°	1648.5	1648.5	1624.0	1564.7	1542.2	1562.7	1577.6	1557.5	1381.0	1323.8	1053.5
30°	1862.1	1869.3	1826.6	1751.3	1672.3	1656.6	1642.1	1637.7	1479.7	1415.3	1130.4
32.5°	2076.4	2075.6	2022.4	1928.5	1825.4	1769.8	1722.7	1717.4	1584.5	1521.2	1203.4
35°	2247.6	2248.0	2192.0	2095.7	1976.5	1905.6	1829.8	1805.3	1699.3	1628.8	1290.4
37.5°	2395.9	2387.4	2327.0	2235.5	2124.3	2051.0	1956.7	1892.7	1818.1	1746.4	1377.4
40°	2480.9	2469.6	2410.8	2323.7	2239.5	2183.5	2100.6	1998.2	1948.7	1871.3	1476.5
42.5°	2493.4	2483.7	2444.6	2392.2	2323.3	2274.2	2252.0	2117.5	2085.7	2015.6	1595.0
45°	2458.3	2442.6	2429.7	2402.3	2383.0	2359.2	2389.4	2244.4	2242.8	2173.1	1712.2
47.5°	2371.3	2349.9	2353.2	2383.4	2405.1	2426.5	2520.7	2410.8	2401.1	2335.8	1866.1
50°	2222.6	2212.2	2247.6	2307.2	2393.4	2478.9	2651.7	2580.8	2619.0	2557.8	2078.4
52.5°	1920.5	1933.4	2039.3	2182.7	2331.8	2503.4	2774.6	2834.6	2932.5	2882.1	2291.9
55°	1557.9	1553.1	1694.5	1949.1	2187.2	2487.7	2828.1	2984.0	3137.9	3085.2	2410.8
57.5°	1254.9	1263.4	1358.9	1610.7	1941.8	2366.4	2840.6	3062.2	3220.5	3185.5	2520.7
60°	941.9	950.0	1037.0	1256.1	1615.5	2113.4	2737.5	3089.6	3375.6	3349.0	2696.4
62.5°	599.5	609.9	697.4	910.5	1234.8	1720.2	2505.8	3061.0	3537.6	3559.7	2936.1
65°	294.9	304.2	368.6	531.8	825.5	1286.4	2182.7	2951.8	3743.9	3807.1	3128.3
67.5°	163.2	167.6	189.8	270.7	460.5	882.3	1754.1	2718.6	3838.5	3923.1	3141.2
70°	126.9	128.1	136.6	157.9	224.4	517.7	1247.7	2330.2	3642.3	3744.7	2879.7
72.5°	106.8	108.4	112.4	119.7	140.2	269.5	784.0	1800.8	3064.6	3111.0	2227.9
75°	78.2	80.6	91.9	98.3	110.8	163.6	345.7	1082.1	2025.2	1979.7	1246.5
77.5°	65.7	67.7	70.5	79.8	91.5	111.6	121.3	453.6	824.3	716.7	327.1
80°	44.7	47.1	54.8	59.6	77.4	73.7	50.4	121.7	165.6	135.0	62.8
82.5°	31.8	33.8	37.9	48.7	56.0	39.1	27.4	37.1	39.9	37.9	20.5
85°	10.1	12.9	27.4	40.3	30.2	13.3	17.3	14.1	12.5	12.1	8.1
87.5°	2.0	2.0	13.7	16.1	12.1	6.8	6.0	4.4	5.6	5.6	4.4
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°	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4
2.5°	436.7	418.6	392.4	367.8	342.8	325.1	312.6	300.1	295.3	293.3	288.1
5°	456.0	421.4	369.4	327.5	296.9	277.6	265.9	255.8	249.4	247.4	244.5
7.5°	483.8	433.9	359.4	311.0	280.4	259.4	240.5	218.8	201.4	194.6	191.8
10°	514.1	452.8	361.0	307.8	267.1	221.2	178.9	143.8	128.5	122.9	118.8
12.5°	558.4	473.8	367.8	304.2	227.2	157.9	114.4	99.9	96.3	95.5	94.7
15°	602.7	503.2	379.1	280.0	169.6	107.6	95.1	89.8	87.8	85.8	85.8
17.5°	647.4	531.4	383.5	232.9	117.2	93.1	86.6	82.2	79.0	77.4	76.1
20°	697.8	561.2	370.6	175.2	93.9	85.0	77.8	72.5	69.7	68.1	66.9
22.5°	752.2	590.6	342.4	122.1	85.4	76.5	69.7	64.5	61.6	60.0	59.6
25°	803.3	616.0	297.3	91.9	76.9	68.5	62.0	57.6	55.6	54.0	53.6
27.5°	856.1	637.7	238.5	81.0	70.1	62.0	55.6	52.0	50.0	48.7	48.3
30°	907.7	652.6	177.7	74.1	64.1	56.0	50.4	47.5	45.5	44.3	43.9
32.5°	960.8	661.1	120.1	68.1	58.0	50.8	45.9	43.1	41.9	40.7	40.7
35°	1012.0	659.9	86.6	62.4	53.2	45.9	41.5	39.5	39.1	37.9	37.9
37.5°	1068.0	651.4	73.7	57.2	47.9	41.5	37.9	36.7	36.3	35.5	35.0
40°	1131.7	632.5	67.3	53.2	43.5	37.9	34.6	33.8	33.4	32.6	32.6
42.5°	1201.4	607.9	63.7	48.7	39.9	34.2	31.8	30.6	30.2	29.4	29.4
45°	1282.3	584.6	61.2	44.3	36.7	31.4	29.0	27.8	27.4	26.6	26.6
47.5°	1392.7	571.3	57.2	40.3	33.0	28.6	26.2	25.4	24.6	23.8	23.8
50°	1544.6	555.6	52.0	36.3	30.2	25.8	24.2	23.0	22.6	21.8	21.8
52.5°	1669.5	522.1	46.7	32.2	27.0	23.8	22.2	21.4	20.5	20.1	20.1
55°	1713.4	483.0	41.5	29.0	24.6	22.2	20.5	19.7	19.3	18.9	18.9
57.5°	1783.5	470.6	36.7	25.8	22.2	20.5	18.9	18.5	18.1	17.7	17.3
60°	1903.2	477.8	32.2	23.0	20.1	18.5	17.3	16.9	16.1	15.3	15.3
62.5°	2019.2	468.9	27.4	20.1	17.3	16.5	15.3	14.5	12.9	11.7	10.9
65°	2047.4	409.7	23.8	16.9	14.5	13.7	12.5	10.9	8.5	6.8	6.8
67.5°	1910.8	311.4	20.5	14.5	12.1	11.3	8.9	7.3	5.2	4.0	4.0
70°	1576.8	197.4	16.9	11.3	10.1	7.7	5.6	5.2	3.6	3.2	2.8
72.5°	1137.7	108.0	14.1	9.3	7.3	4.8	4.0	3.2	2.4	1.6	1.6
75°	576.1	50.8	10.5	7.3	4.8	3.2	2.4	1.6	1.6	1.2	1.2
77.5°	163.2	23.4	6.8	4.8	3.2	2.0	1.6	1.2	1.2	0.8	0.8
80°	32.2	11.7	4.4	3.2	2.4	1.6	1.2	0.8	0.8	0.4	0.4
82.5°	11.7	6.0	3.2	2.4	2.0	1.6	0.8	0.4	0.4	0.0	0.0
85°	6.0	3.2	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	3.2	2.4	2.0	2.0	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)