

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: P674562

Luminaire Tested: **CCP-SA-1E-740-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674562  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-740-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

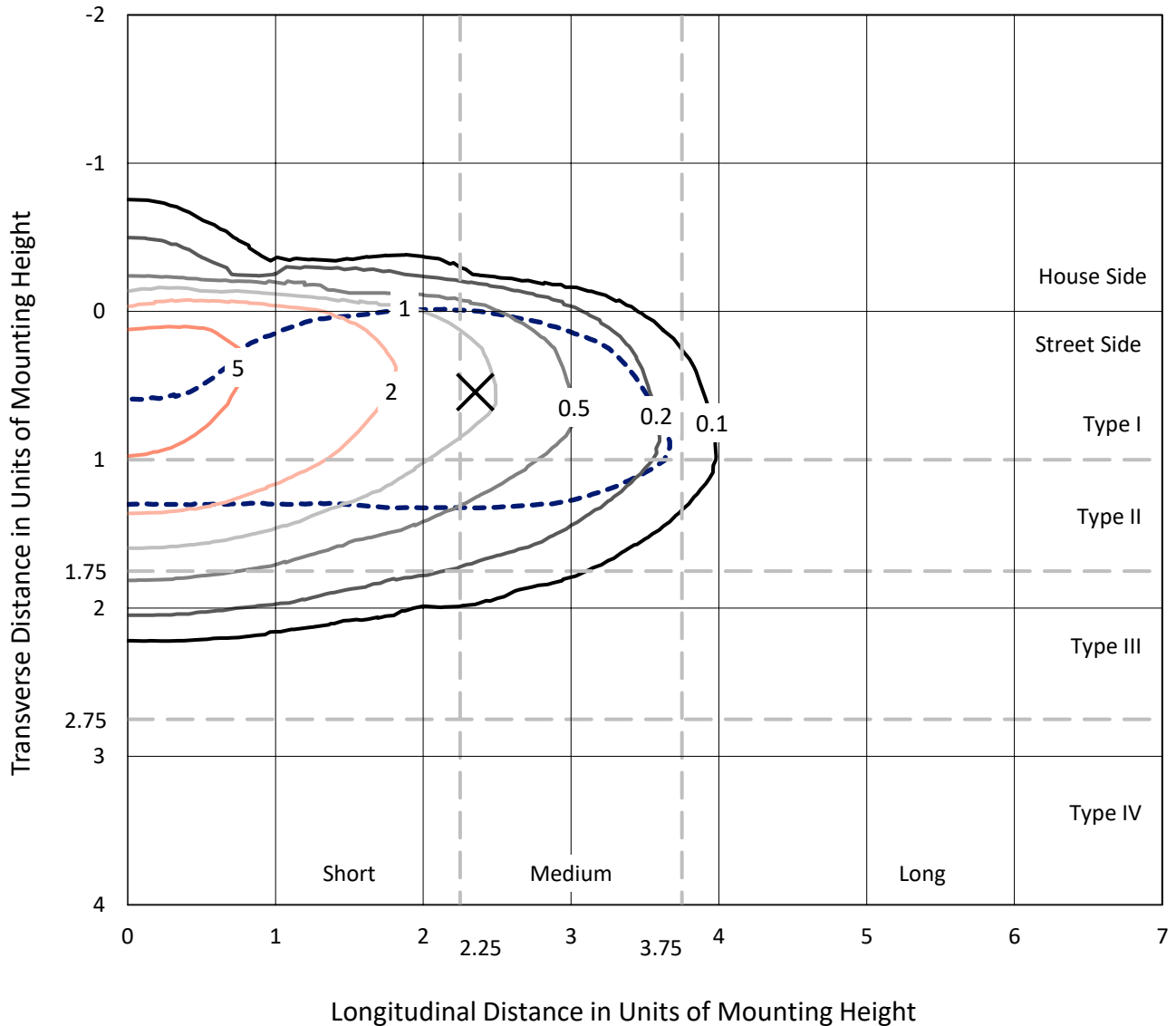
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5536 lumens  
Efficiency: N/A  
Efficacy: 98.7 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

REPORT NUMBER: P674562  
 CATALOG NUMBER: CCP-SA-1E-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

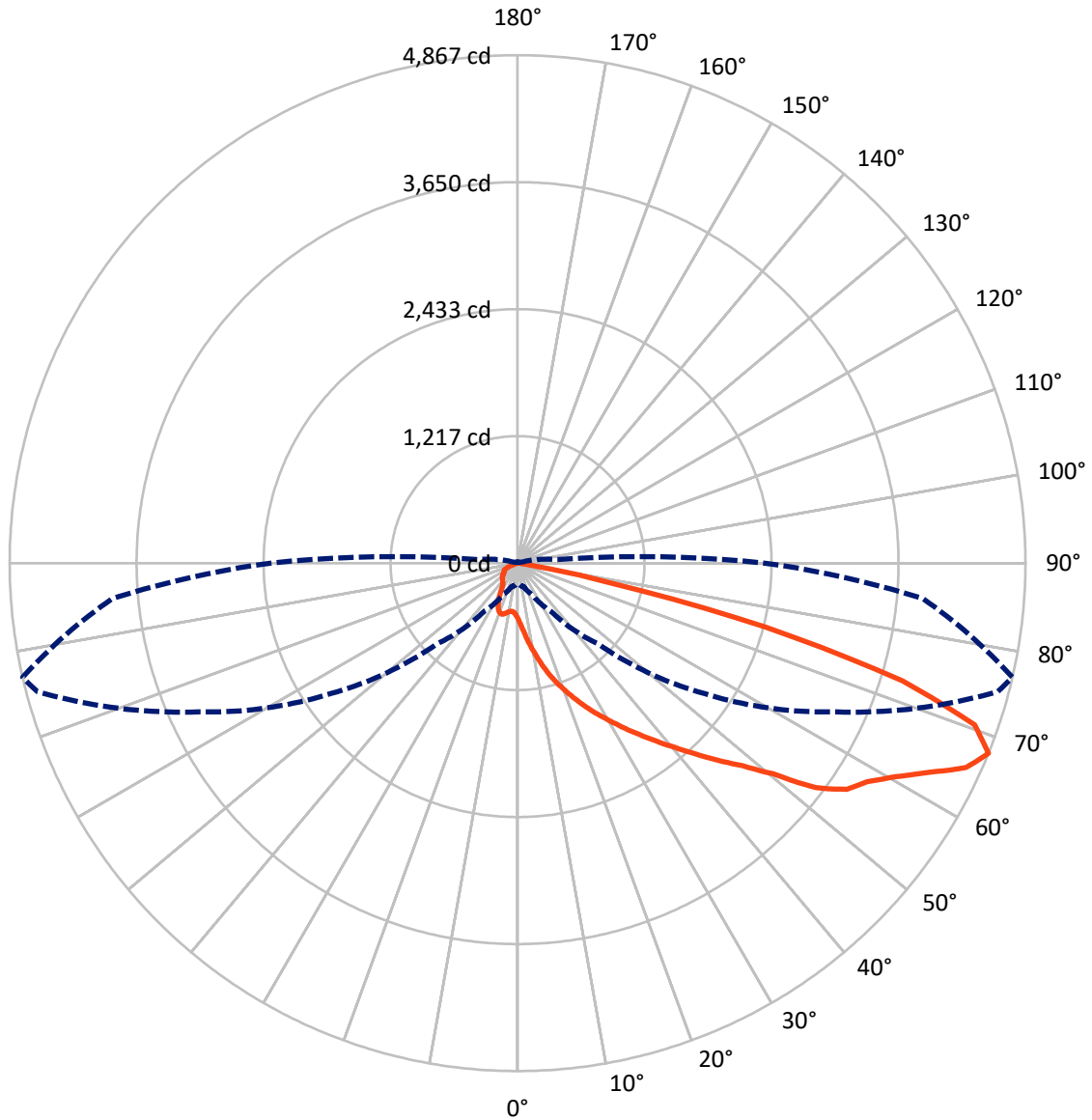
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674562  
CATALOG NUMBER: CCP-SA-1E-740-U-T2R-HSS

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P674562  
 CATALOG NUMBER: CCP-SA-1E-740-U-T2R-HSS

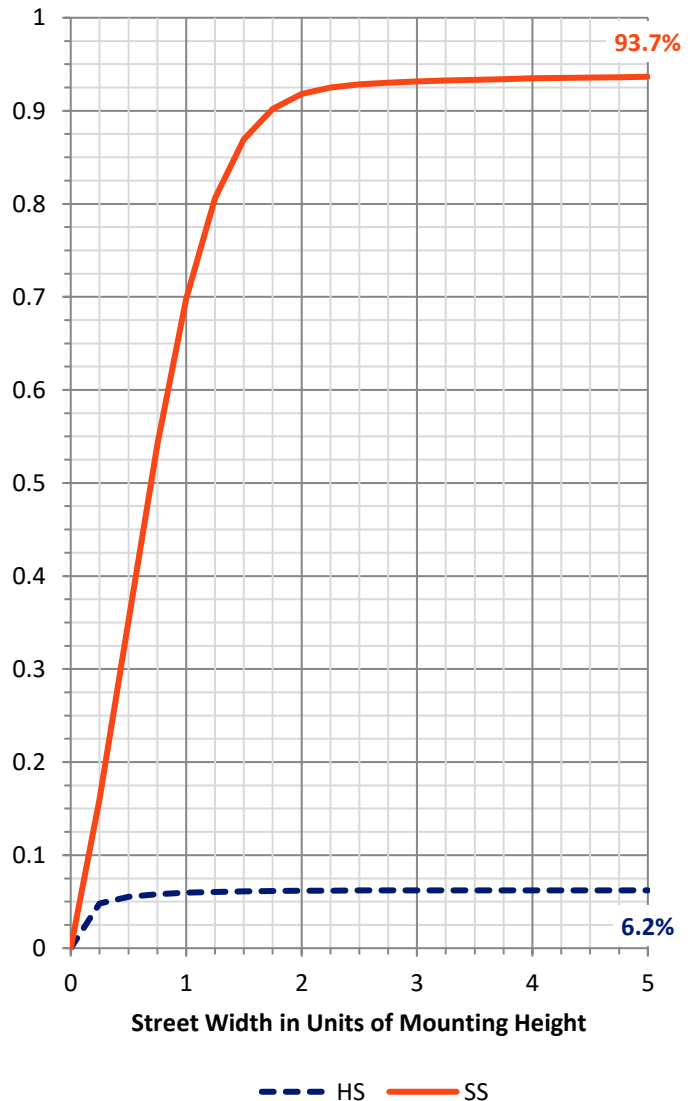
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	346.0	0.0	346.0
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	5190.0	0.0	5190.0
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	5536.0	0.0	5536.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	1.1
10°-20°	230.4	4.2
20°-30°	450.2	8.1
30°-40°	787.1	14.2
40°-50°	1148.0	20.7
50°-60°	1342.4	24.2
60°-70°	1088.2	19.7
70°-80°	408.8	7.4
80°-90°	18.6	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°	5536.0	100.0
0°-180°	5536.0	100.0

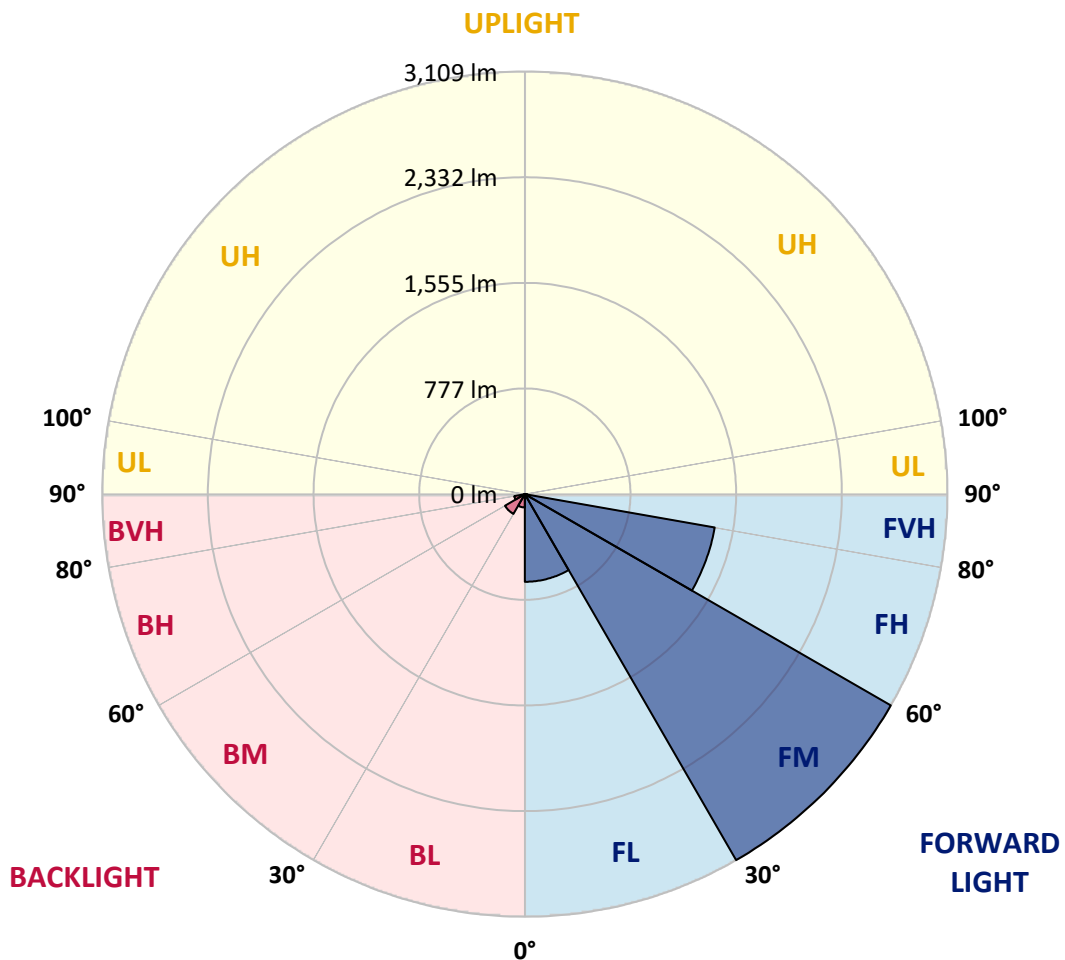


REPORT NUMBER: P674562  
 CATALOG NUMBER: CCP-SA-1E-740-U-T2R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.9	11.6			
FM (30°-60°)	3109.1	56.2			
FH (60°-80°)	1418.5	25.6			G1/1800
FVH (80°-90°)	17.5	0.3			G1/100
BL (0°-30°)	98.1	1.8	B0/110		
BM (30°-60°)	168.3	3.0	B0/220		
BH (60°-80°)	78.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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: P674562  
 CATALOG NUMBER: CCP-SA-1E-740-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2
2.5°	796.1	767.1	772.6	760.6	745.1	709.2	671.2	633.2	599.2	591.7	557.7
5°	1019.5	1010.5	1001.0	993.0	960.5	915.6	847.1	760.1	681.7	668.2	597.7
7.5°	1192.9	1179.4	1187.9	1163.4	1129.4	1086.0	999.0	906.1	785.1	765.1	655.7
10°	1320.9	1313.4	1317.4	1305.9	1289.4	1245.9	1159.9	1043.5	903.6	865.6	720.6
12.5°	1416.8	1418.3	1435.8	1436.8	1423.3	1387.8	1296.9	1175.4	1011.0	977.0	792.6
15°	1486.8	1488.3	1509.8	1532.8	1548.2	1529.8	1447.3	1311.4	1137.4	1091.0	868.1
17.5°	1498.3	1499.3	1537.2	1583.7	1631.7	1647.7	1584.2	1446.3	1252.9	1199.9	954.5
20°	1505.8	1514.3	1548.2	1601.7	1677.7	1727.2	1692.7	1575.7	1364.8	1303.4	1039.5
22.5°	1596.7	1596.7	1616.7	1654.7	1715.2	1792.6	1785.6	1694.7	1473.8	1412.8	1124.0
25°	1789.6	1789.6	1770.1	1760.1	1792.6	1853.6	1871.1	1821.6	1598.2	1526.3	1212.9
27.5°	2045.0	2045.0	2014.5	1941.1	1913.1	1938.6	1957.0	1932.1	1713.2	1642.2	1306.9
30°	2309.9	2318.9	2265.9	2172.4	2074.5	2055.0	2037.0	2031.5	1835.6	1755.6	1402.3
32.5°	2575.7	2574.7	2508.8	2392.3	2264.4	2195.4	2137.0	2130.5	1965.5	1887.1	1492.8
35°	2788.1	2788.6	2719.2	2599.7	2451.8	2363.8	2269.9	2239.4	2108.0	2020.5	1600.7
37.5°	2972.0	2961.6	2886.6	2773.1	2635.2	2544.3	2427.3	2347.9	2255.4	2166.4	1708.7
40°	3077.5	3063.5	2990.5	2882.6	2778.1	2708.7	2605.7	2478.8	2417.3	2321.4	1831.6
42.5°	3093.0	3081.0	3032.5	2967.5	2882.1	2821.1	2793.6	2626.7	2587.2	2500.3	1978.5
45°	3049.5	3030.0	3014.0	2980.0	2956.1	2926.6	2964.1	2784.1	2782.1	2695.7	2124.0
47.5°	2941.6	2915.1	2919.1	2956.6	2983.5	3010.0	3127.0	2990.5	2978.5	2897.6	2314.9
50°	2757.2	2744.2	2788.1	2862.1	2969.0	3075.0	3289.4	3201.4	3248.9	3172.9	2578.2
52.5°	2382.3	2398.3	2529.8	2707.7	2892.6	3105.5	3441.8	3516.3	3637.7	3575.3	2843.1
55°	1932.6	1926.6	2102.0	2417.8	2713.2	3086.0	3508.3	3701.7	3892.6	3827.1	2990.5
57.5°	1556.7	1567.2	1685.7	1998.0	2408.8	2935.6	3523.8	3798.6	3995.0	3951.6	3127.0
60°	1168.4	1178.4	1286.4	1558.2	2004.0	2621.7	3395.8	3832.6	4187.5	4154.5	3344.9
62.5°	743.6	756.6	865.1	1129.4	1531.8	2134.0	3108.5	3797.1	4388.4	4415.8	3642.2
65°	365.8	377.3	457.3	659.7	1024.0	1595.7	2707.7	3661.7	4644.2	4722.7	3880.6
67.5°	202.4	207.9	235.4	335.8	571.2	1094.5	2175.9	3372.4	4761.7	4866.6	3896.6
70°	157.4	158.9	169.4	195.9	278.4	642.2	1547.7	2890.6	4518.3	4645.2	3572.3
72.5°	132.4	134.4	139.4	148.4	173.9	334.3	972.5	2233.9	3801.6	3859.1	2763.6
75°	97.0	100.0	113.9	121.9	137.4	202.9	428.8	1342.3	2512.3	2455.8	1546.2
77.5°	81.5	84.0	87.5	99.0	113.4	138.4	150.4	562.7	1022.5	889.1	405.8
80°	55.5	58.5	68.0	74.0	96.0	91.5	62.5	150.9	205.4	167.4	78.0
82.5°	39.5	42.0	47.0	60.5	69.5	48.5	34.0	46.0	49.5	47.0	25.5
85°	12.5	16.0	34.0	50.0	37.5	16.5	21.5	17.5	15.5	15.0	10.0
87.5°	2.5	2.5	17.0	20.0	15.0	8.5	7.5	5.5	7.0	7.0	5.5
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: P674562  
 CATALOG NUMBER: CCP-SA-1E-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2
2.5°	541.7	519.2	486.8	456.3	425.3	403.3	387.8	372.3	366.3	363.8	357.3
5°	565.7	522.7	458.3	406.3	368.3	344.3	329.8	317.3	309.3	306.9	303.4
7.5°	600.2	538.2	445.8	385.8	347.8	321.8	298.4	271.4	249.9	241.4	237.9
10°	637.7	561.7	447.8	381.8	331.3	274.4	221.9	178.4	159.4	152.4	147.4
12.5°	692.7	587.7	456.3	377.3	281.9	195.9	141.9	123.9	119.4	118.4	117.4
15°	747.6	624.2	470.3	347.3	210.4	133.4	117.9	111.4	108.9	106.4	106.4
17.5°	803.1	659.2	475.8	288.9	145.4	115.4	107.4	102.0	98.0	96.0	94.5
20°	865.6	696.2	459.8	217.4	116.4	105.4	96.5	90.0	86.5	84.5	83.0
22.5°	933.0	732.6	424.8	151.4	105.9	95.0	86.5	80.0	76.5	74.5	74.0
25°	996.5	764.1	368.8	113.9	95.5	85.0	77.0	71.5	69.0	67.0	66.5
27.5°	1062.0	791.1	295.9	100.5	87.0	77.0	69.0	64.5	62.0	60.5	60.0
30°	1125.9	809.6	220.4	92.0	79.5	69.5	62.5	59.0	56.5	55.0	54.5
32.5°	1191.9	820.1	148.9	84.5	72.0	63.0	57.0	53.5	52.0	50.5	50.5
35°	1255.4	818.6	107.4	77.5	66.0	57.0	51.5	49.0	48.5	47.0	47.0
37.5°	1324.9	808.1	91.5	71.0	59.5	51.5	47.0	45.5	45.0	44.0	43.5
40°	1403.8	784.6	83.5	66.0	54.0	47.0	43.0	42.0	41.5	40.5	40.5
42.5°	1490.3	754.1	79.0	60.5	49.5	42.5	39.5	38.0	37.5	36.5	36.5
45°	1590.7	725.1	76.0	55.0	45.5	39.0	36.0	34.5	34.0	33.0	33.0
47.5°	1727.7	708.7	71.0	50.0	41.0	35.5	32.5	31.5	30.5	29.5	29.5
50°	1916.1	689.2	64.5	45.0	37.5	32.0	30.0	28.5	28.0	27.0	27.0
52.5°	2071.0	647.7	58.0	40.0	33.5	29.5	27.5	26.5	25.5	25.0	25.0
55°	2125.5	599.2	51.5	36.0	30.5	27.5	25.5	24.5	24.0	23.5	23.5
57.5°	2212.4	583.7	45.5	32.0	27.5	25.5	23.5	23.0	22.5	22.0	21.5
60°	2360.8	592.7	40.0	28.5	25.0	23.0	21.5	21.0	20.0	19.0	19.0
62.5°	2504.8	581.7	34.0	25.0	21.5	20.5	19.0	18.0	16.0	14.5	13.5
65°	2539.8	508.3	29.5	21.0	18.0	17.0	15.5	13.5	10.5	8.5	8.5
67.5°	2370.3	386.3	25.5	18.0	15.0	14.0	11.0	9.0	6.5	5.0	5.0
70°	1956.0	244.9	21.0	14.0	12.5	9.5	7.0	6.5	4.5	4.0	3.5
72.5°	1411.3	133.9	17.5	11.5	9.0	6.0	5.0	4.0	3.0	2.0	2.0
75°	714.7	63.0	13.0	9.0	6.0	4.0	3.0	2.0	2.0	1.5	1.5
77.5°	202.4	29.0	8.5	6.0	4.0	2.5	2.0	1.5	1.5	1.0	1.0
80°	40.0	14.5	5.5	4.0	3.0	2.0	1.5	1.0	1.0	0.5	0.5
82.5°	14.5	7.5	4.0	3.0	2.5	2.0	1.0	0.5	0.5	0.0	0.0
85°	7.5	4.0	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	4.0	3.0	2.5	2.5	2.0	1.5	1.0	0.5	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)