

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: P672081

Luminaire Tested: **CCP-SA-1E-727-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672081
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-727-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

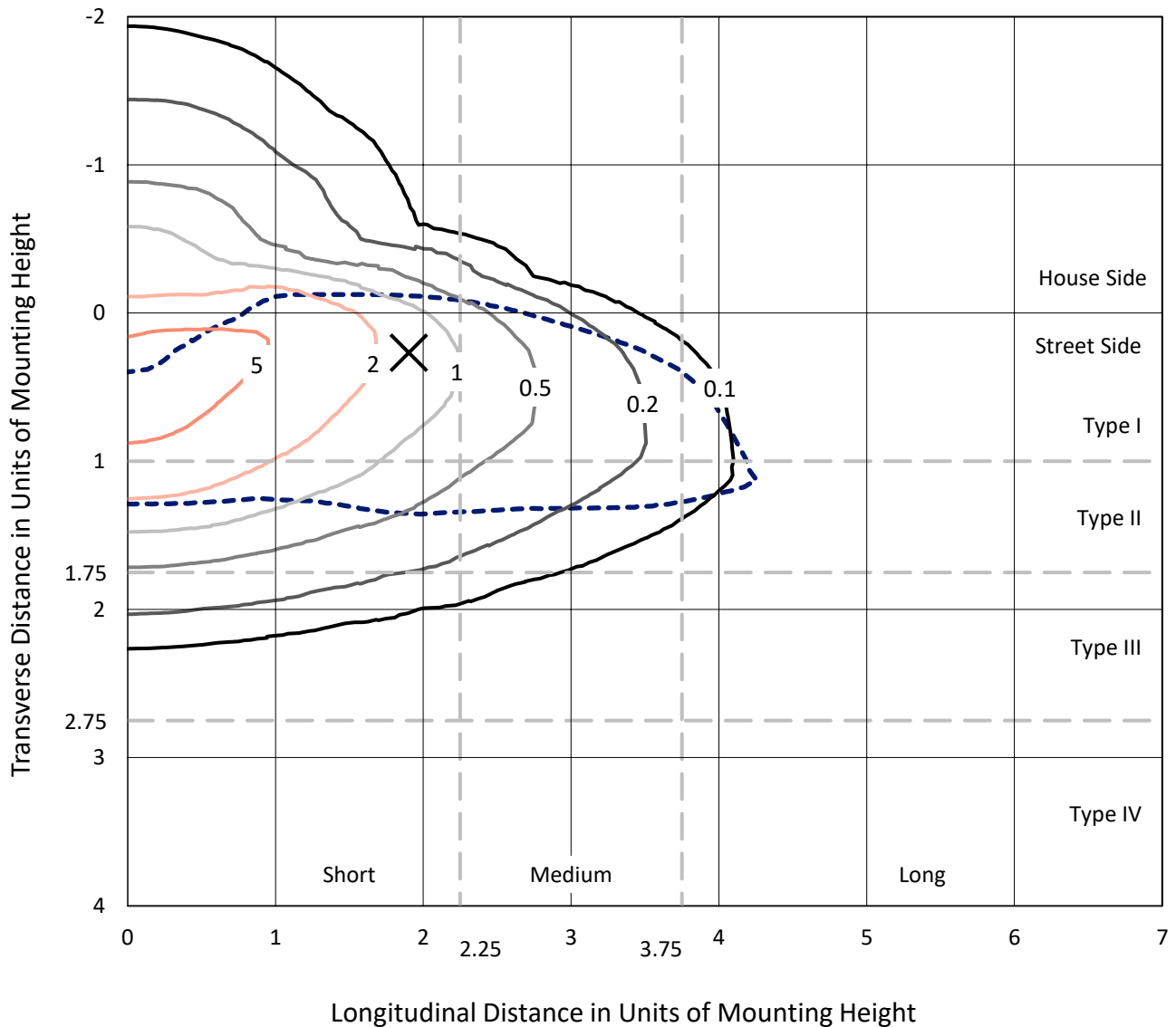
Lumens per Lamp: N/A
Luminaire Lumens: 5807.9 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

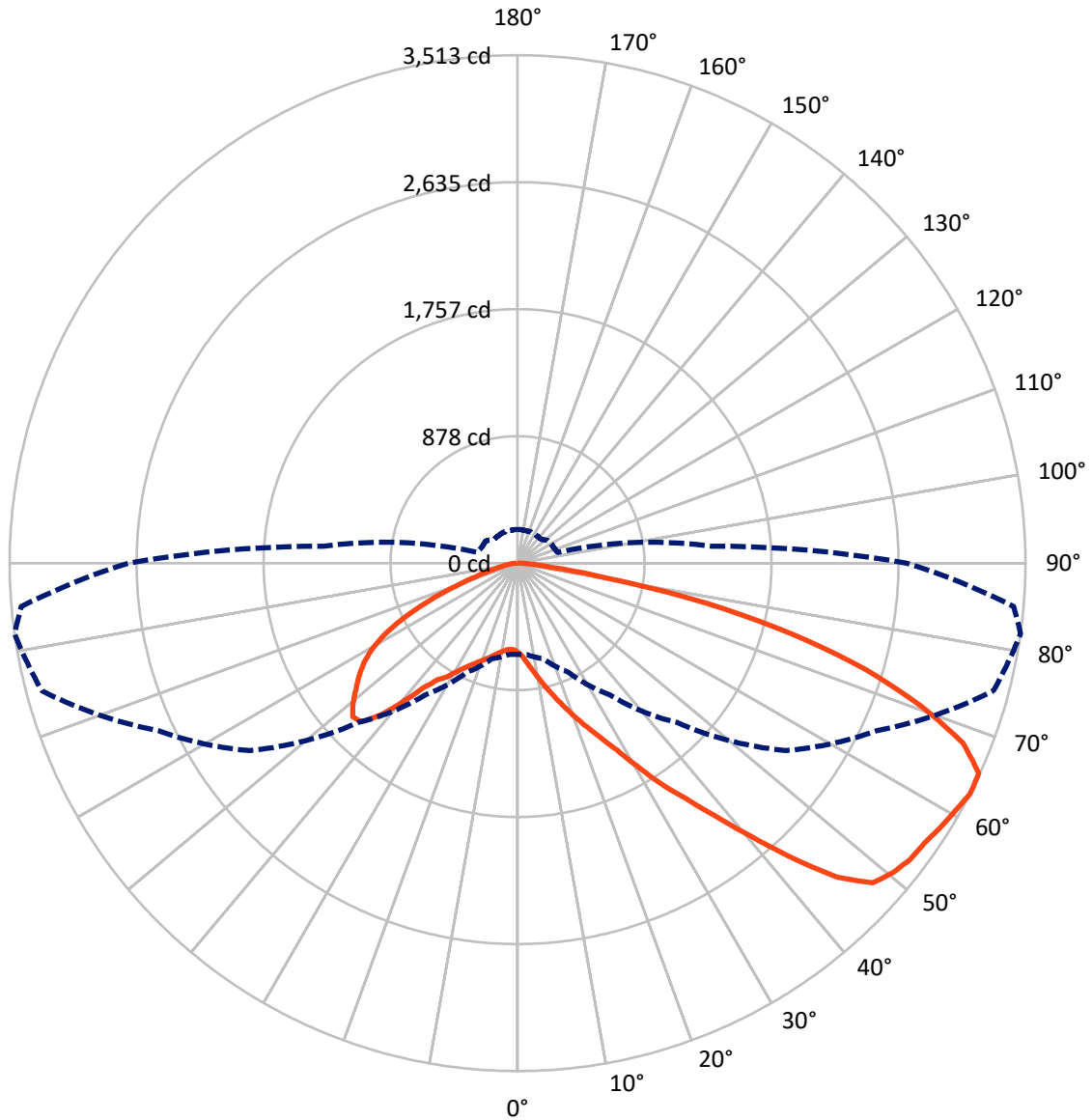
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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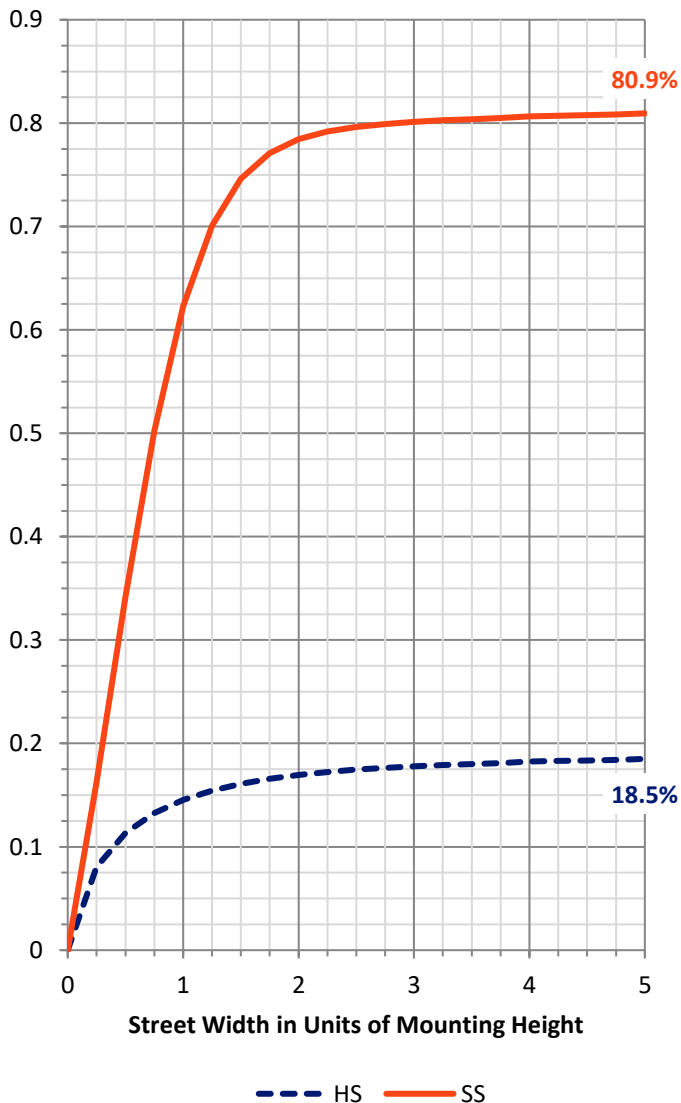
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1094.2	0.0	1094.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4713.7	0.0	4713.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	5807.9	0.0	5807.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.2
10°-20°	257.8	4.4
20°-30°	533.9	9.2
30°-40°	906.1	15.6
40°-50°	1233.9	21.2
50°-60°	1249.0	21.5
60°-70°	984.3	16.9
70°-80°	484.9	8.3
80°-90°	89.7	1.5
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°	5807.9	100.0
0°-180°	5807.9	100.0



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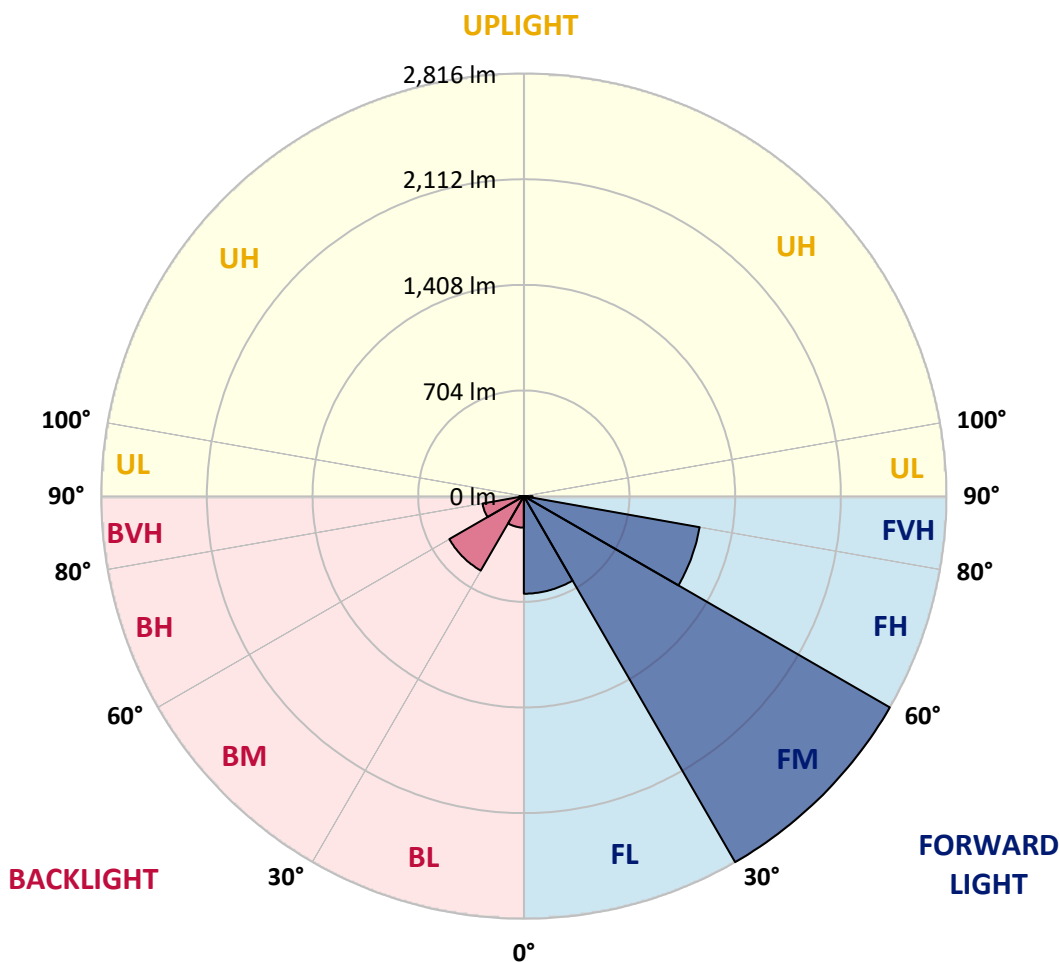
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.0	11.2			
FM (30°-60°)	2815.9	48.5			
FH (60°-80°)	1189.6	20.5			G1/1800
FVH (80°-90°)	58.3	1.0			G1/100
BL (0°-30°)	209.9	3.6	B1/500		
BM (30°-60°)	573.1	9.9	B1/1000		
BH (60°-80°)	279.7	4.8	B1/500		G1/500
BVH (80°-90°)	31.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6
2.5°	822.5	810.0	803.3	795.8	774.9	761.5	736.4	707.1	673.3	644.4	639.0
5°	996.1	983.5	985.2	966.8	936.3	907.8	861.0	805.8	741.4	692.1	674.9
7.5°	1118.6	1104.8	1108.1	1100.6	1075.9	1044.6	985.2	914.1	820.0	746.8	719.2
10°	1200.6	1202.2	1204.7	1201.8	1185.9	1163.8	1104.8	1026.2	909.1	811.7	774.0
12.5°	1293.4	1298.0	1297.2	1298.4	1290.0	1272.5	1214.8	1140.8	1004.0	881.5	832.6
15°	1411.7	1407.1	1410.9	1416.3	1407.1	1387.9	1336.9	1249.1	1103.5	959.3	898.6
17.5°	1541.4	1531.8	1541.8	1536.4	1529.7	1517.1	1461.1	1367.4	1206.4	1043.3	972.2
20°	1653.4	1647.2	1652.6	1653.4	1654.7	1652.2	1594.5	1495.0	1314.3	1134.9	1051.7
22.5°	1779.3	1776.4	1775.5	1776.0	1777.2	1780.1	1740.8	1634.6	1433.9	1231.1	1137.4
25°	1955.4	1952.4	1933.2	1911.9	1899.3	1908.5	1888.0	1793.1	1566.0	1339.0	1231.5
27.5°	2152.7	2148.1	2122.6	2068.7	2028.5	2035.2	2033.1	1967.9	1718.3	1462.8	1344.4
30°	2357.6	2346.3	2311.2	2235.5	2172.4	2160.7	2166.5	2144.8	1909.8	1627.1	1501.6
32.5°	2540.4	2519.5	2473.0	2396.5	2321.3	2287.4	2288.2	2297.8	2118.0	1818.6	1666.4
35°	2652.0	2638.2	2603.5	2526.2	2442.1	2419.5	2413.2	2461.3	2309.1	1995.9	1814.0
37.5°	2712.2	2698.9	2661.6	2599.3	2535.8	2526.6	2538.3	2612.7	2526.2	2217.1	2014.7
40°	2701.4	2687.2	2662.9	2619.4	2577.6	2584.7	2636.6	2751.5	2763.3	2481.8	2300.8
42.5°	2611.9	2596.8	2594.7	2591.8	2572.2	2603.5	2697.2	2853.2	2981.1	2787.5	2647.0
45°	2453.8	2444.6	2455.5	2505.7	2530.3	2591.0	2725.6	2902.5	3172.6	3098.2	2974.4
47.5°	2253.5	2248.1	2272.7	2352.2	2432.1	2552.5	2744.4	2915.9	3304.4	3304.4	3189.0
50°	2029.4	2027.3	2059.9	2175.3	2300.3	2481.8	2742.3	2928.4	3362.1	3365.0	3264.6
52.5°	1716.6	1727.5	1814.4	1966.6	2136.4	2371.0	2713.1	2963.6	3394.7	3401.4	3315.2
55°	1356.1	1366.6	1497.9	1702.8	1920.2	2236.4	2625.7	2953.1	3401.0	3416.0	3344.1
57.5°	1082.6	1084.7	1166.7	1410.1	1679.4	2064.1	2524.9	2883.7	3382.6	3448.2	3388.4
60°	847.2	853.9	908.7	1101.5	1400.0	1842.0	2412.4	2815.1	3393.0	3478.7	3428.6
62.5°	631.0	632.7	683.7	833.0	1112.3	1558.9	2259.8	2741.9	3407.7	3513.0	3444.9
65°	411.1	410.6	460.0	594.6	830.9	1253.3	2020.2	2627.4	3408.9	3505.5	3370.0
67.5°	261.4	263.0	284.4	369.2	556.2	945.9	1694.0	2414.5	3349.5	3323.2	3097.4
70°	212.0	212.4	219.1	241.3	338.7	646.5	1273.3	2081.6	3161.8	2959.8	2692.2
72.5°	189.0	189.4	192.8	195.3	225.8	388.5	835.5	1690.2	2828.1	2522.8	2233.4
75°	169.8	169.8	171.9	169.4	185.2	243.8	474.2	1270.8	2329.2	1964.6	1687.3
77.5°	148.9	148.4	148.4	147.2	160.2	178.1	237.5	886.9	1677.7	1339.8	1094.3
80°	126.3	125.5	126.7	125.9	138.4	135.1	138.4	547.4	909.5	614.3	465.8
82.5°	98.3	98.3	102.0	102.9	114.2	97.9	97.4	259.7	345.4	229.6	171.9
85°	51.4	57.7	77.8	81.1	86.1	61.5	71.5	121.3	138.4	87.8	62.7
87.5°	15.5	16.3	47.7	53.5	53.1	30.9	43.9	58.5	64.8	38.9	25.5
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°	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6
2.5°	625.2	610.5	579.6	552.0	531.1	511.0	497.2	490.1	480.9	482.1	479.2
5°	644.4	614.3	559.5	515.2	485.5	462.9	449.1	442.0	435.3	432.0	434.5
7.5°	673.3	626.4	549.9	496.4	465.4	446.2	438.7	436.6	434.9	433.6	435.7
10°	710.5	647.7	548.2	489.7	461.2	449.5	446.6	445.3	443.7	442.0	443.3
12.5°	748.5	671.2	554.1	491.3	467.9	459.1	455.4	453.7	449.5	447.4	447.9
15°	796.2	699.6	562.0	498.0	476.7	465.4	460.4	455.8	449.1	446.2	447.4
17.5°	847.2	733.5	572.9	504.3	480.1	466.3	456.2	449.5	442.8	438.7	439.1
20°	904.9	766.9	582.5	506.4	478.4	459.1	447.0	439.1	430.3	425.7	424.4
22.5°	964.7	802.0	590.0	504.7	469.2	447.0	433.2	423.6	413.2	406.0	406.5
25°	1037.5	849.7	596.3	498.9	457.1	431.1	415.7	403.5	392.7	386.0	386.4
27.5°	1124.9	903.7	603.8	489.7	442.4	414.0	396.0	383.9	373.4	367.2	366.3
30°	1241.5	973.9	612.2	478.4	424.0	395.2	377.6	365.1	355.0	349.2	349.2
32.5°	1372.8	1059.6	618.1	465.0	403.5	375.1	359.2	349.2	341.6	333.7	332.9
35°	1487.0	1126.1	636.0	454.5	385.6	356.3	345.4	338.3	327.0	319.5	318.2
37.5°	1654.7	1243.2	689.1	451.6	363.8	341.6	339.6	326.2	313.2	299.0	297.7
40°	1924.8	1446.0	751.0	437.4	341.2	333.7	331.6	313.6	283.1	274.3	272.6
42.5°	2268.6	1690.2	757.7	396.0	325.3	327.0	320.7	285.6	272.2	265.5	263.9
45°	2578.8	1888.4	719.7	353.8	313.6	317.0	304.0	275.2	267.6	261.4	259.7
47.5°	2753.2	1949.5	647.7	322.0	304.8	308.2	277.2	270.1	262.6	256.3	254.7
50°	2802.1	1896.4	564.1	303.6	298.2	299.4	270.1	266.0	259.3	254.2	251.7
52.5°	2811.8	1816.9	486.7	292.7	293.1	281.8	263.9	260.5	256.3	248.4	245.5
55°	2815.9	1745.4	417.3	286.0	289.8	259.3	257.2	254.7	251.3	243.0	241.3
57.5°	2826.8	1653.9	363.0	281.0	285.6	248.8	249.6	248.0	243.8	240.0	239.2
60°	2795.9	1527.2	321.2	276.0	279.8	240.0	240.9	241.7	237.9	237.1	236.7
62.5°	2692.2	1347.3	285.6	269.3	267.6	231.2	231.2	234.6	231.2	232.5	232.5
65°	2478.5	1118.2	253.8	256.8	248.8	221.6	221.2	227.1	222.0	227.5	227.9
67.5°	2114.3	846.4	221.2	237.1	229.2	211.6	213.3	217.9	211.2	222.5	222.5
70°	1673.5	575.8	187.3	209.5	209.1	200.3	205.7	205.3	197.8	214.5	211.6
72.5°	1246.6	369.7	152.6	175.6	182.7	188.2	198.2	189.4	182.3	191.9	183.2
75°	871.0	231.7	120.4	138.8	152.2	174.8	189.0	171.4	161.0	158.1	155.6
77.5°	521.5	148.0	94.9	105.8	118.8	158.9	177.3	152.6	136.7	135.1	130.1
80°	240.4	96.6	72.3	79.0	84.5	136.3	161.4	130.5	111.2	109.6	103.7
82.5°	108.7	63.6	53.9	56.5	56.9	108.3	136.3	103.3	84.9	137.6	119.2
85°	50.6	41.0	35.1	33.5	33.9	72.3	99.1	71.1	96.6	75.3	57.3
87.5°	21.7	20.9	18.0	14.2	13.0	15.5	38.1	29.7	42.2	16.7	11.3
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)