

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: P674565

Luminaire Tested: **CCP-SA-2B-740-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674565
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-740-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5592 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

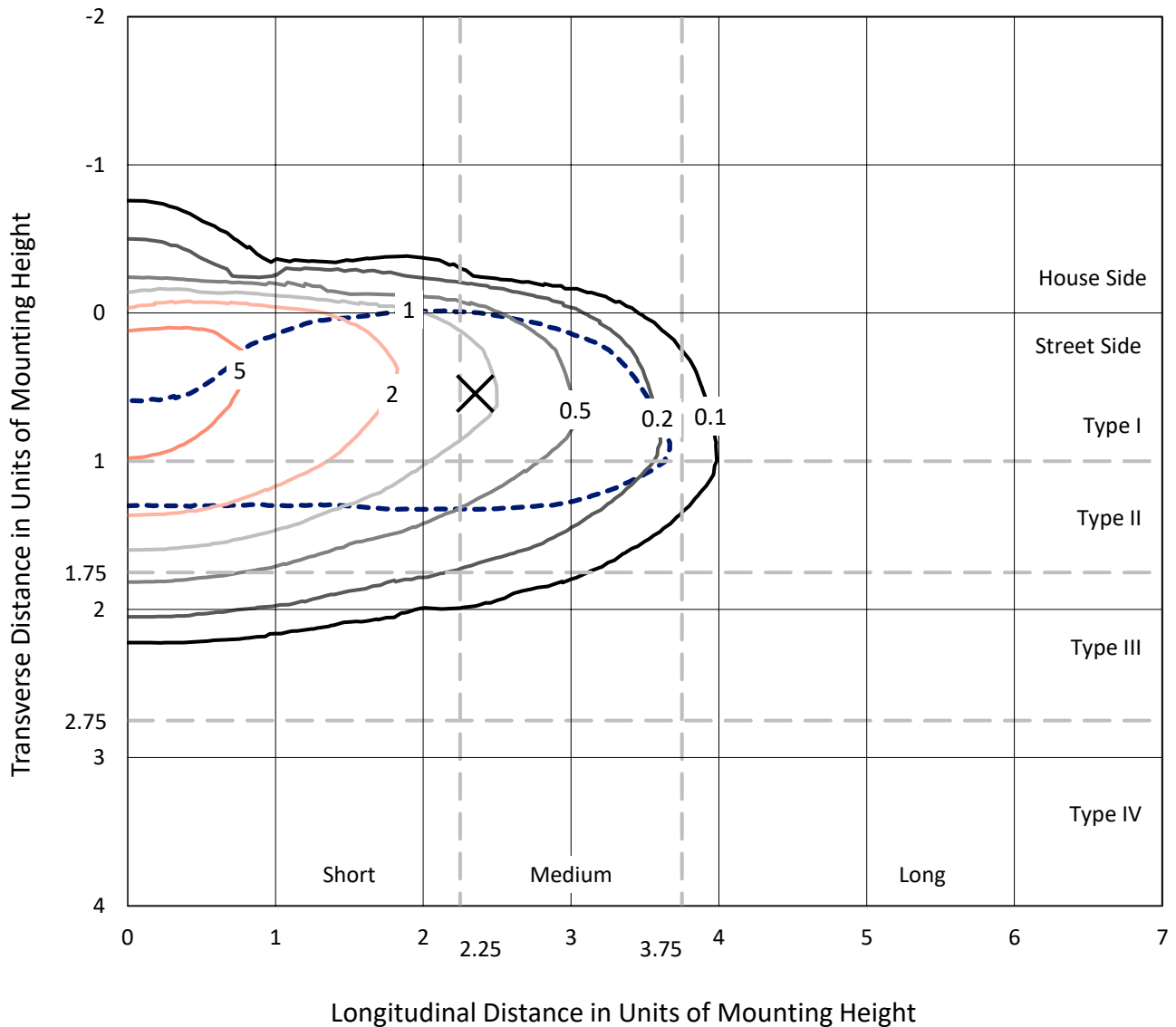
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

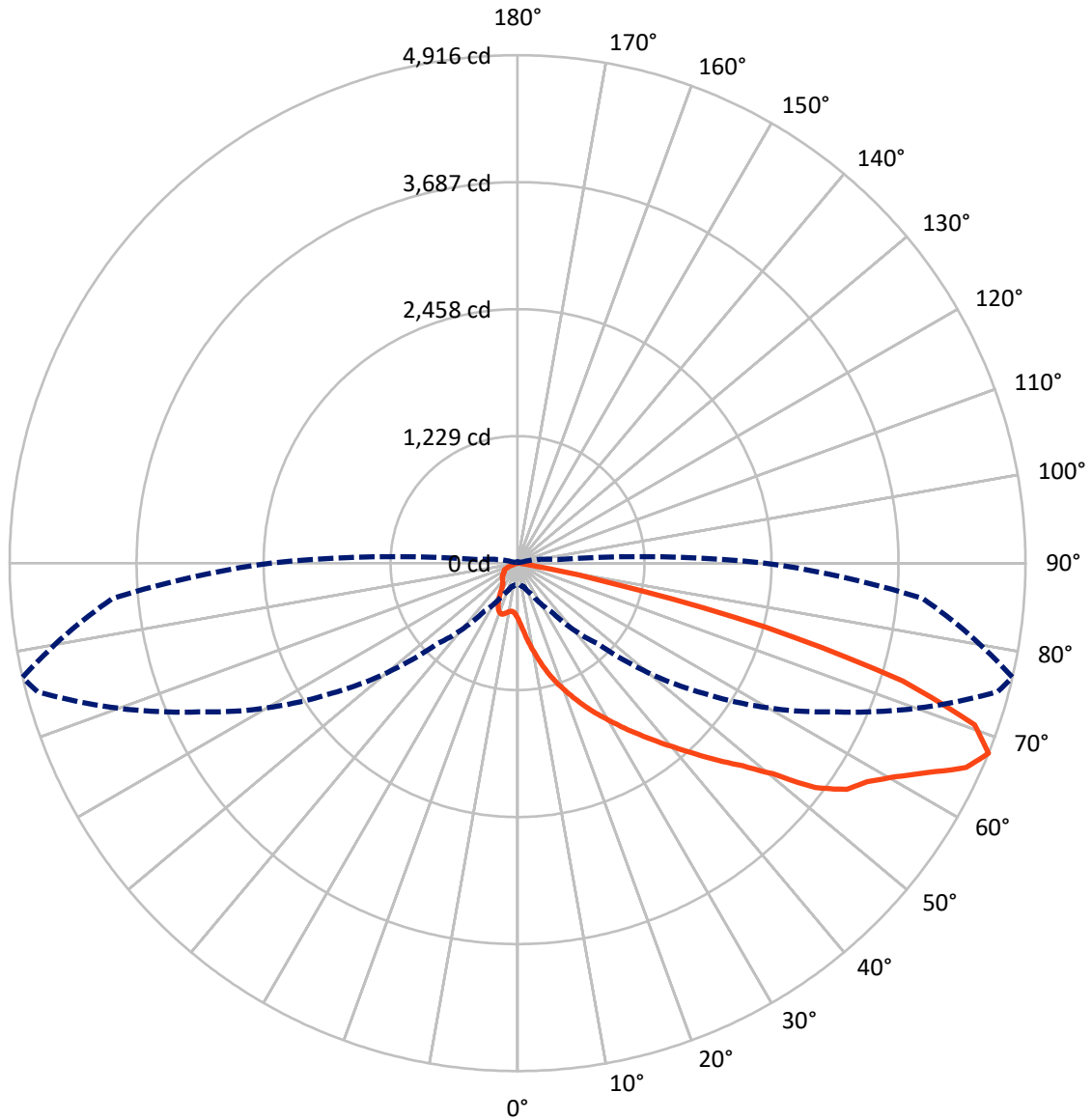
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 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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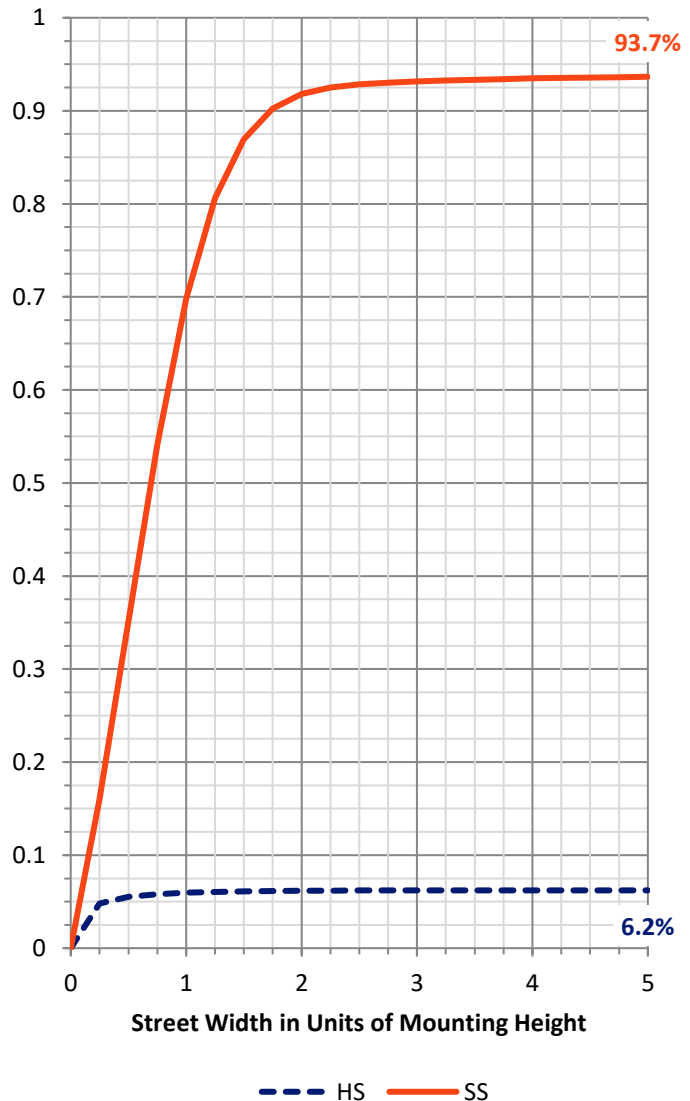
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	349.4	0.0	349.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5242.5	0.0	5242.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	1.1
10°-20°	232.8	4.2
20°-30°	454.8	8.1
30°-40°	795.1	14.2
40°-50°	1159.6	20.7
50°-60°	1355.9	24.2
60°-70°	1099.2	19.7
70°-80°	412.9	7.4
80°-90°	18.8	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°	5592.0	100.0
0°-180°	5592.0	100.0

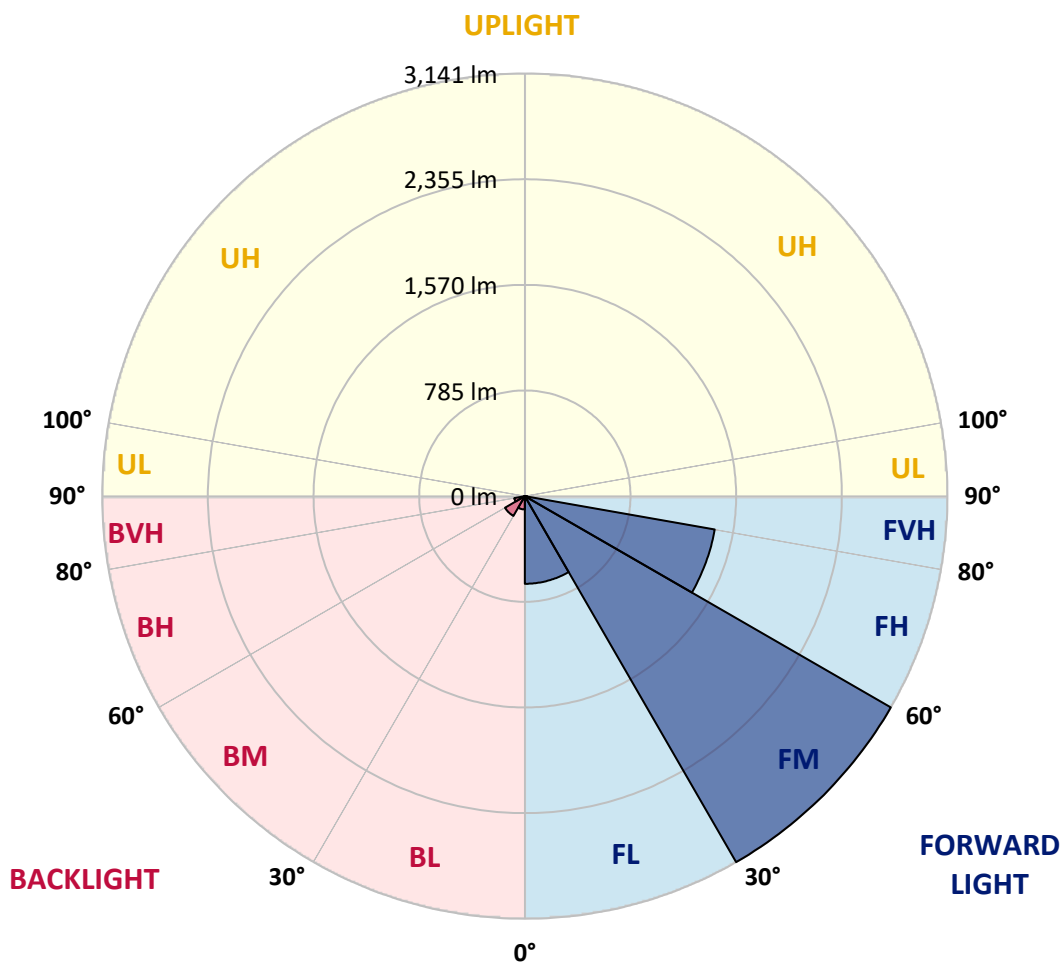


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.4	11.6			
FM (30°-60°)	3140.6	56.2			
FH (60°-80°)	1432.8	25.6			G1/1800
FVH (80°-90°)	17.7	0.3			G1/100
BL (0°-30°)	99.1	1.8	B0/110		
BM (30°-60°)	170.0	3.0	B0/220		
BH (60°-80°)	79.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6
2.5°	804.2	774.9	780.4	768.3	752.7	716.3	678.0	639.6	605.3	597.7	563.4
5°	1029.8	1020.7	1011.1	1003.1	970.2	924.8	855.7	767.8	688.6	674.9	603.8
7.5°	1205.0	1191.4	1199.9	1175.2	1140.9	1097.0	1009.1	915.2	793.1	772.9	662.3
10°	1334.2	1326.6	1330.7	1319.1	1302.4	1258.5	1171.7	1054.0	912.7	874.3	727.9
12.5°	1431.1	1432.7	1450.3	1451.3	1437.7	1401.9	1310.0	1187.3	1021.2	986.9	800.6
15°	1501.8	1503.3	1525.0	1548.3	1563.9	1545.2	1461.9	1324.6	1149.0	1102.0	876.9
17.5°	1513.4	1514.4	1552.8	1599.7	1648.2	1664.4	1600.3	1460.9	1265.6	1212.1	964.2
20°	1521.0	1529.6	1563.9	1617.9	1694.7	1744.6	1709.8	1591.7	1378.6	1316.5	1050.0
22.5°	1612.9	1612.9	1633.1	1671.4	1732.5	1810.8	1803.7	1711.8	1488.7	1427.1	1135.3
25°	1807.7	1807.7	1788.0	1777.9	1810.8	1872.3	1890.0	1840.0	1614.4	1541.7	1225.2
27.5°	2065.7	2065.7	2034.9	1960.7	1932.4	1958.2	1976.8	1951.6	1730.5	1658.8	1320.1
30°	2333.2	2342.3	2288.8	2194.4	2095.5	2075.8	2057.6	2052.1	1854.2	1773.4	1416.5
32.5°	2601.8	2600.8	2534.2	2416.5	2287.3	2217.6	2158.6	2152.0	1985.4	1906.2	1507.9
35°	2816.3	2816.9	2746.7	2626.0	2476.6	2387.8	2292.9	2262.1	2129.3	2041.0	1616.9
37.5°	3002.1	2991.5	2915.8	2801.2	2661.9	2570.0	2451.9	2371.6	2278.2	2188.4	1726.0
40°	3108.6	3094.5	3020.8	2911.8	2806.2	2736.1	2632.1	2503.9	2441.8	2344.9	1850.1
42.5°	3124.3	3112.2	3063.2	2997.6	2911.3	2849.7	2821.9	2653.3	2613.4	2525.6	1998.6
45°	3080.4	3060.7	3044.5	3010.2	2986.0	2956.2	2994.0	2812.3	2810.3	2723.0	2145.5
47.5°	2971.3	2944.6	2948.6	2986.5	3013.7	3040.5	3158.6	3020.8	3008.7	2926.9	2338.3
50°	2785.0	2771.9	2816.3	2891.1	2999.1	3106.1	3322.7	3233.8	3281.8	3205.1	2604.3
52.5°	2406.4	2422.6	2555.4	2735.1	2921.9	3136.9	3476.6	3551.9	3674.5	3611.4	2871.9
55°	1952.1	1946.0	2123.2	2442.3	2740.6	3117.2	3543.8	3739.1	3932.0	3865.8	3020.8
57.5°	1572.5	1583.1	1702.7	2018.2	2433.2	2965.3	3559.4	3837.1	4035.5	3991.5	3158.6
60°	1180.3	1190.3	1299.4	1574.0	2024.3	2648.2	3430.2	3871.4	4229.8	4196.5	3378.7
62.5°	751.2	764.3	873.8	1140.9	1547.2	2155.5	3139.9	3835.6	4432.8	4460.5	3679.1
65°	369.5	381.1	461.9	666.4	1034.4	1611.9	2735.1	3698.8	4691.2	4770.5	3919.9
67.5°	204.4	210.0	237.8	339.2	577.0	1105.5	2198.0	3406.5	4809.8	4915.9	3936.0
70°	159.0	160.5	171.1	197.9	281.2	648.7	1563.4	2919.8	4564.0	4692.2	3608.4
72.5°	133.8	135.8	140.8	149.9	175.7	337.7	982.4	2256.5	3840.1	3898.2	2791.6
75°	97.9	101.0	115.1	123.2	138.8	205.0	433.1	1355.9	2537.7	2480.6	1561.9
77.5°	82.3	84.8	88.3	100.0	114.6	139.8	151.9	568.4	1032.8	898.1	409.9
80°	56.0	59.1	68.7	74.7	96.9	92.4	63.1	152.5	207.5	169.1	78.8
82.5°	39.9	42.4	47.5	61.1	70.2	49.0	34.3	46.4	50.0	47.5	25.7
85°	12.6	16.2	34.3	50.5	37.9	16.7	21.7	17.7	15.6	15.1	10.1
87.5°	2.5	2.5	17.2	20.2	15.1	8.6	7.6	5.6	7.1	7.1	5.6
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°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6
2.5°	547.2	524.5	491.7	460.9	429.6	407.4	391.7	376.1	370.0	367.5	360.9
5°	571.4	528.0	462.9	410.4	372.0	347.8	333.2	320.6	312.5	310.0	306.4
7.5°	606.3	543.7	450.3	389.7	351.3	325.1	301.4	274.1	252.4	243.8	240.3
10°	644.1	567.4	452.3	385.7	334.7	277.1	224.1	180.2	161.0	154.0	148.9
12.5°	699.7	593.7	460.9	381.1	284.7	197.9	143.4	125.2	120.7	119.6	118.6
15°	755.2	630.5	475.0	350.8	212.5	134.8	119.1	112.6	110.0	107.5	107.5
17.5°	811.2	665.8	480.6	291.8	146.9	116.6	108.5	103.0	98.9	96.9	95.4
20°	874.3	703.2	464.4	219.6	117.6	106.5	97.4	90.9	87.3	85.3	83.8
22.5°	942.5	740.1	429.1	153.0	107.0	95.9	87.3	80.8	77.2	75.2	74.7
25°	1006.6	771.9	372.6	115.1	96.4	85.8	77.7	72.2	69.7	67.6	67.1
27.5°	1072.7	799.1	298.8	101.5	87.8	77.7	69.7	65.1	62.6	61.1	60.6
30°	1137.3	817.8	222.6	92.9	80.3	70.2	63.1	59.6	57.0	55.5	55.0
32.5°	1204.0	828.4	150.4	85.3	72.7	63.6	57.5	54.0	52.5	51.0	51.0
35°	1268.1	826.9	108.5	78.2	66.6	57.5	52.0	49.5	49.0	47.5	47.5
37.5°	1338.3	816.3	92.4	71.7	60.1	52.0	47.5	45.9	45.4	44.4	43.9
40°	1418.0	792.6	84.3	66.6	54.5	47.5	43.4	42.4	41.9	40.9	40.9
42.5°	1505.3	761.8	79.8	61.1	50.0	42.9	39.9	38.4	37.9	36.9	36.9
45°	1606.8	732.5	76.7	55.5	45.9	39.4	36.3	34.8	34.3	33.3	33.3
47.5°	1745.1	715.8	71.7	50.5	41.4	35.8	32.8	31.8	30.8	29.8	29.8
50°	1935.4	696.1	65.1	45.4	37.9	32.3	30.3	28.8	28.3	27.3	27.3
52.5°	2091.9	654.2	58.6	40.4	33.8	29.8	27.8	26.8	25.7	25.2	25.2
55°	2147.0	605.3	52.0	36.3	30.8	27.8	25.7	24.7	24.2	23.7	23.7
57.5°	2234.8	589.6	45.9	32.3	27.8	25.7	23.7	23.2	22.7	22.2	21.7
60°	2384.7	598.7	40.4	28.8	25.2	23.2	21.7	21.2	20.2	19.2	19.2
62.5°	2530.1	587.6	34.3	25.2	21.7	20.7	19.2	18.2	16.2	14.6	13.6
65°	2565.5	513.4	29.8	21.2	18.2	17.2	15.6	13.6	10.6	8.6	8.6
67.5°	2394.3	390.2	25.7	18.2	15.1	14.1	11.1	9.1	6.6	5.0	5.0
70°	1975.8	247.4	21.2	14.1	12.6	9.6	7.1	6.6	4.5	4.0	3.5
72.5°	1425.6	135.3	17.7	11.6	9.1	6.1	5.0	4.0	3.0	2.0	2.0
75°	721.9	63.6	13.1	9.1	6.1	4.0	3.0	2.0	2.0	1.5	1.5
77.5°	204.4	29.3	8.6	6.1	4.0	2.5	2.0	1.5	1.5	1.0	1.0
80°	40.4	14.6	5.6	4.0	3.0	2.0	1.5	1.0	1.0	0.5	0.5
82.5°	14.6	7.6	4.0	3.0	2.5	2.0	1.0	0.5	0.5	0.0	0.0
85°	7.6	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)