

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: P674576

Luminaire Tested: **CCP-SA-2B-750-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674576
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-750-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

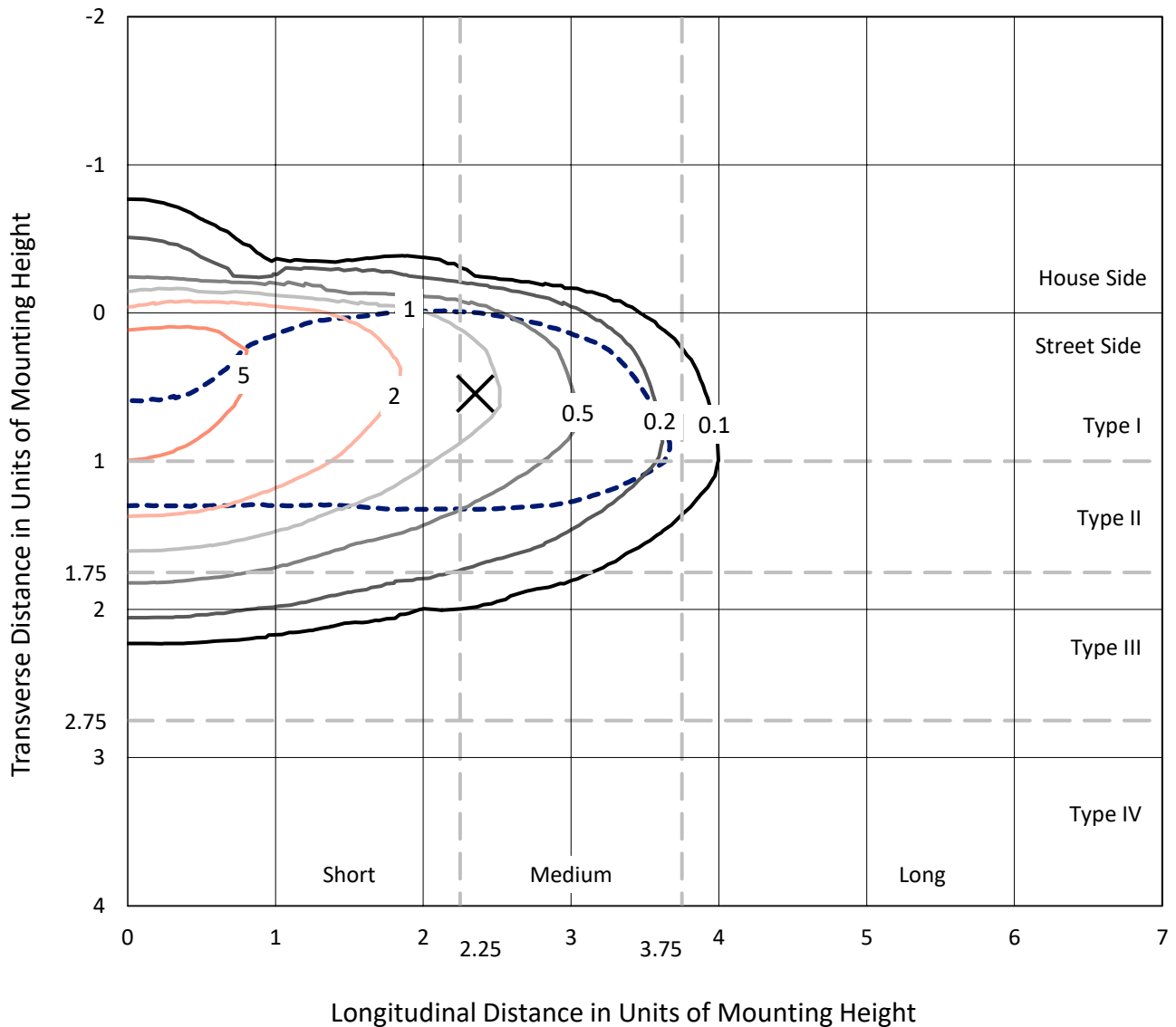
Lumens per Lamp: N/A
Luminaire Lumens: 5720 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

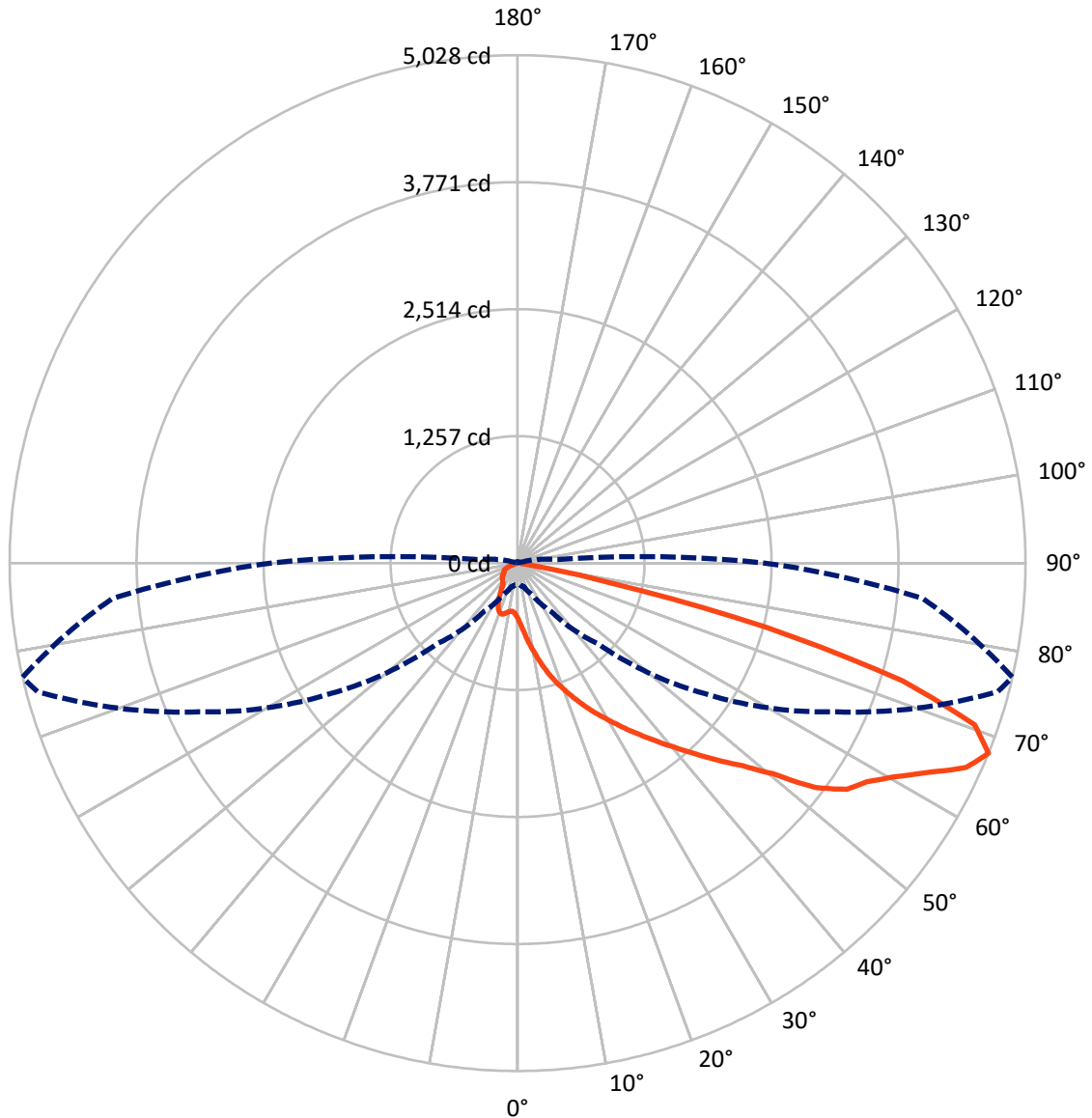
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 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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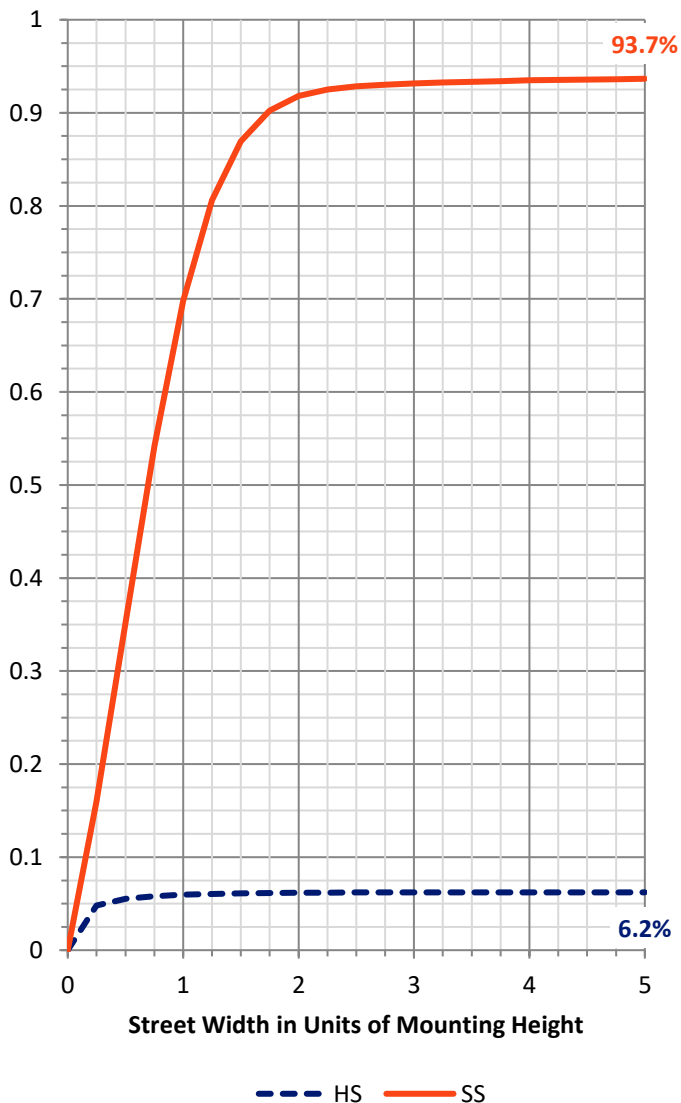
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.4	0.0	357.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5362.6	0.0	5362.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	5720.0	0.0	5720.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.1
10°-20°	238.1	4.2
20°-30°	465.2	8.1
30°-40°	813.3	14.2
40°-50°	1186.1	20.7
50°-60°	1387.0	24.2
60°-70°	1124.3	19.7
70°-80°	422.4	7.4
80°-90°	19.2	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°	5720.0	100.0
0°-180°	5720.0	100.0



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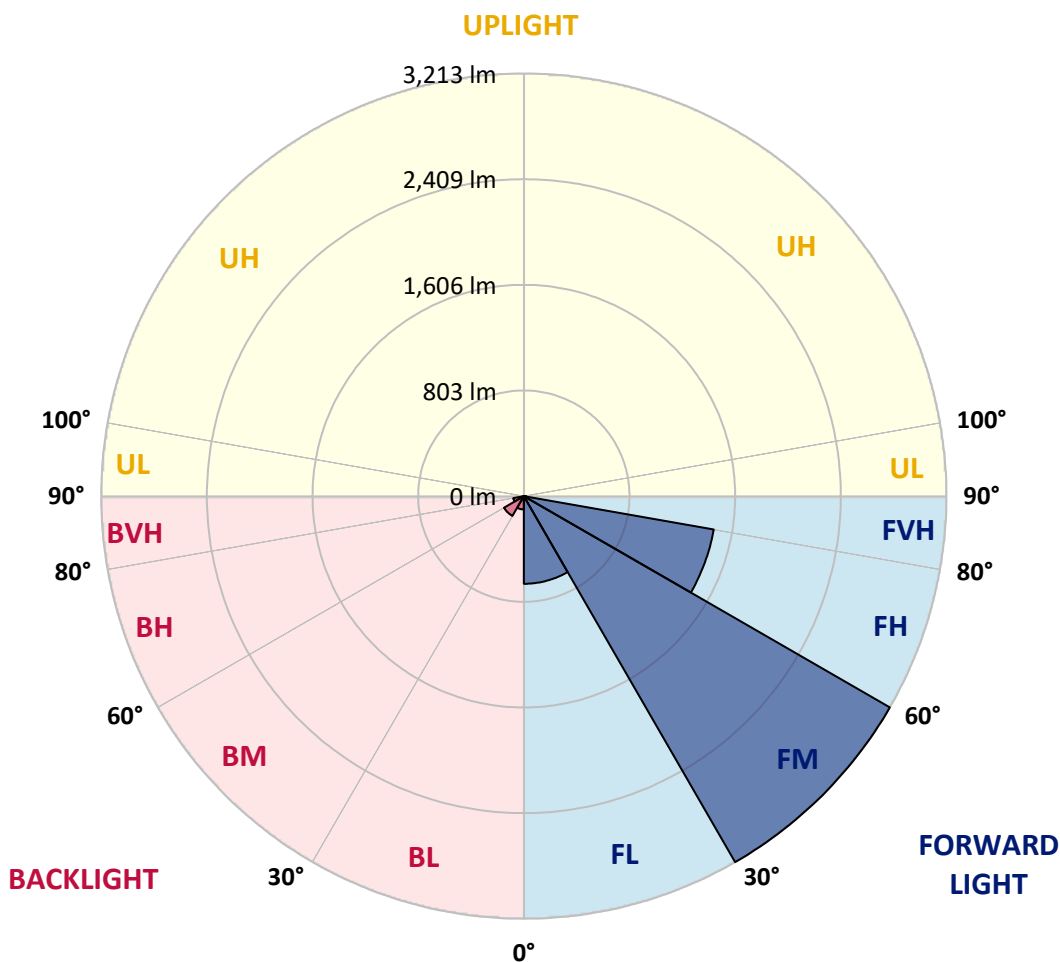
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.3	11.6			
FM (30°-60°)	3212.5	56.2			
FH (60°-80°)	1465.7	25.6			G1/1800
FVH (80°-90°)	18.1	0.3			G1/100
BL (0°-30°)	101.4	1.8	B0/110		
BM (30°-60°)	173.9	3.0	B0/220		
BH (60°-80°)	81.1	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°	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9
2.5°	822.6	792.6	798.3	785.9	769.9	732.7	693.5	654.2	619.1	611.4	576.3
5°	1053.4	1044.1	1034.3	1026.0	992.5	946.0	875.3	785.4	704.3	690.4	617.6
7.5°	1232.6	1218.6	1227.4	1202.1	1167.0	1122.1	1032.2	936.2	811.2	790.6	677.5
10°	1364.8	1357.0	1361.2	1349.3	1332.2	1287.3	1198.5	1078.2	933.6	894.4	744.6
12.5°	1463.9	1465.5	1483.5	1484.6	1470.6	1434.0	1340.0	1214.5	1044.6	1009.5	819.0
15°	1536.2	1537.8	1560.0	1583.7	1599.7	1580.6	1495.4	1355.0	1175.3	1127.2	896.9
17.5°	1548.1	1549.1	1588.4	1636.4	1686.0	1702.5	1636.9	1494.4	1294.5	1239.8	986.3
20°	1555.8	1564.6	1599.7	1655.0	1733.5	1784.6	1749.0	1628.1	1410.2	1346.7	1074.1
22.5°	1649.8	1649.8	1670.5	1709.7	1772.2	1852.2	1845.0	1751.0	1522.8	1459.8	1161.3
25°	1849.1	1849.1	1829.0	1818.7	1852.2	1915.2	1933.3	1882.2	1651.4	1577.0	1253.2
27.5°	2113.0	2113.0	2081.5	2005.6	1976.7	2003.0	2022.1	1996.3	1770.1	1696.8	1350.3
30°	2386.7	2396.0	2341.2	2244.7	2143.5	2123.3	2104.7	2099.1	1896.6	1814.0	1448.9
32.5°	2661.4	2660.3	2592.2	2471.9	2339.7	2268.4	2208.0	2201.3	2030.9	1949.8	1542.4
35°	2880.8	2881.4	2809.6	2686.2	2533.3	2442.4	2345.4	2313.9	2178.1	2087.7	1653.9
37.5°	3070.9	3060.0	2982.6	2865.3	2722.8	2628.9	2508.0	2425.9	2330.4	2238.5	1765.5
40°	3179.8	3165.4	3090.0	2978.4	2870.5	2798.7	2692.4	2561.2	2497.7	2398.5	1892.5
42.5°	3195.8	3183.4	3133.3	3066.2	2977.9	2914.9	2886.5	2714.1	2673.3	2583.4	2044.3
45°	3150.9	3130.8	3114.2	3079.1	3054.3	3023.9	3062.6	2876.7	2874.6	2785.3	2194.6
47.5°	3039.4	3012.0	3016.1	3054.9	3082.7	3110.1	3230.9	3090.0	3077.6	2993.9	2391.8
50°	2848.8	2835.4	2880.8	2957.3	3067.8	3177.2	3398.8	3307.9	3356.9	3278.4	2664.0
52.5°	2461.5	2478.1	2613.9	2797.7	2988.8	3208.7	3556.3	3633.2	3758.7	3694.1	2937.6
55°	1996.8	1990.6	2171.9	2498.2	2803.4	3188.6	3624.9	3824.8	4022.0	3954.4	3090.0
57.5°	1608.5	1619.3	1741.7	2064.5	2488.9	3033.2	3640.9	3924.9	4127.9	4083.0	3230.9
60°	1207.3	1217.6	1329.1	1610.0	2070.7	2708.9	3508.7	3960.1	4326.7	4292.6	3456.1
62.5°	768.4	781.8	893.8	1167.0	1582.7	2204.9	3211.8	3923.4	4534.3	4562.7	3763.3
65°	378.0	389.9	472.5	681.6	1058.0	1648.8	2797.7	3783.5	4798.6	4879.7	4009.6
67.5°	209.1	214.8	243.2	347.0	590.2	1130.9	2248.3	3484.5	4920.0	5028.4	4026.2
70°	162.7	164.2	175.1	202.4	287.6	663.5	1599.2	2986.7	4668.5	4799.7	3691.0
72.5°	136.8	138.9	144.1	153.4	179.7	345.5	1004.9	2308.2	3928.0	3987.4	2855.5
75°	100.2	103.3	117.7	126.0	142.0	209.6	443.0	1387.0	2595.8	2537.5	1597.7
77.5°	84.2	86.8	90.4	102.2	117.2	143.0	155.4	581.4	1056.5	918.6	419.3
80°	57.3	60.4	70.2	76.4	99.1	94.5	64.5	155.9	212.2	173.0	80.6
82.5°	40.8	43.4	48.5	62.5	71.8	50.1	35.1	47.5	51.1	48.5	26.3
85°	12.9	16.5	35.1	51.6	38.7	17.0	22.2	18.1	16.0	15.5	10.3
87.5°	2.6	2.6	17.6	20.7	15.5	8.8	7.7	5.7	7.2	7.2	5.7
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°	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9	547.9
2.5°	559.7	536.5	502.9	471.4	439.4	416.7	400.7	384.7	378.5	375.9	369.2
5°	584.5	540.1	473.5	419.8	380.6	355.8	340.8	327.9	319.6	317.1	313.4
7.5°	620.2	556.1	460.6	398.6	359.4	332.5	308.3	280.4	258.2	249.4	245.8
10°	658.9	580.4	462.7	394.5	342.4	283.5	229.3	184.3	164.7	157.5	152.3
12.5°	715.7	607.3	471.4	389.9	291.2	202.4	146.6	128.1	123.4	122.4	121.3
15°	772.5	644.9	485.9	358.9	217.4	137.9	121.9	115.2	112.6	110.0	110.0
17.5°	829.8	681.1	491.6	298.5	150.3	119.3	111.0	105.3	101.2	99.1	97.6
20°	894.4	719.3	475.1	224.6	120.3	109.0	99.7	92.9	89.3	87.3	85.7
22.5°	964.1	757.0	438.9	156.5	109.5	98.1	89.3	82.6	79.0	76.9	76.4
25°	1029.6	789.5	381.1	117.7	98.6	87.8	79.5	73.8	71.3	69.2	68.7
27.5°	1097.3	817.4	305.7	103.8	89.8	79.5	71.3	66.6	64.0	62.5	62.0
30°	1163.4	836.5	227.7	95.0	82.1	71.8	64.5	60.9	58.4	56.8	56.3
32.5°	1231.5	847.4	153.9	87.3	74.4	65.1	58.9	55.3	53.7	52.2	52.2
35°	1297.1	845.8	111.0	80.0	68.2	58.9	53.2	50.6	50.1	48.5	48.5
37.5°	1368.9	835.0	94.5	73.3	61.4	53.2	48.5	47.0	46.5	45.4	44.9
40°	1450.5	810.7	86.2	68.2	55.8	48.5	44.4	43.4	42.9	41.8	41.8
42.5°	1539.8	779.2	81.6	62.5	51.1	43.9	40.8	39.2	38.7	37.7	37.7
45°	1643.6	749.3	78.5	56.8	47.0	40.3	37.2	35.6	35.1	34.1	34.1
47.5°	1785.1	732.2	73.3	51.6	42.3	36.7	33.6	32.5	31.5	30.5	30.5
50°	1979.8	712.1	66.6	46.5	38.7	33.0	31.0	29.4	28.9	27.9	27.9
52.5°	2139.8	669.2	59.9	41.3	34.6	30.5	28.4	27.4	26.3	25.8	25.8
55°	2196.1	619.1	53.2	37.2	31.5	28.4	26.3	25.3	24.8	24.3	24.3
57.5°	2286.0	603.1	47.0	33.0	28.4	26.3	24.3	23.8	23.2	22.7	22.2
60°	2439.3	612.4	41.3	29.4	25.8	23.8	22.2	21.7	20.7	19.6	19.6
62.5°	2588.1	601.1	35.1	25.8	22.2	21.2	19.6	18.6	16.5	15.0	13.9
65°	2624.2	525.2	30.5	21.7	18.6	17.6	16.0	13.9	10.8	8.8	8.8
67.5°	2449.2	399.2	26.3	18.6	15.5	14.5	11.4	9.3	6.7	5.2	5.2
70°	2021.1	253.0	21.7	14.5	12.9	9.8	7.2	6.7	4.6	4.1	3.6
72.5°	1458.2	138.4	18.1	11.9	9.3	6.2	5.2	4.1	3.1	2.1	2.1
75°	738.4	65.1	13.4	9.3	6.2	4.1	3.1	2.1	2.1	1.5	1.5
77.5°	209.1	29.9	8.8	6.2	4.1	2.6	2.1	1.5	1.5	1.0	1.0
80°	41.3	15.0	5.7	4.1	3.1	2.1	1.5	1.0	1.0	0.5	0.5
82.5°	15.0	7.7	4.1	3.1	2.6	2.1	1.0	0.5	0.5	0.0	0.0
85°	7.7	4.1	3.1	2.6	2.1	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	4.1	3.1	2.6	2.6	2.1	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)