

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: P672195

Luminaire Tested: **CCP-SA-2C-850-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672195
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-850-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

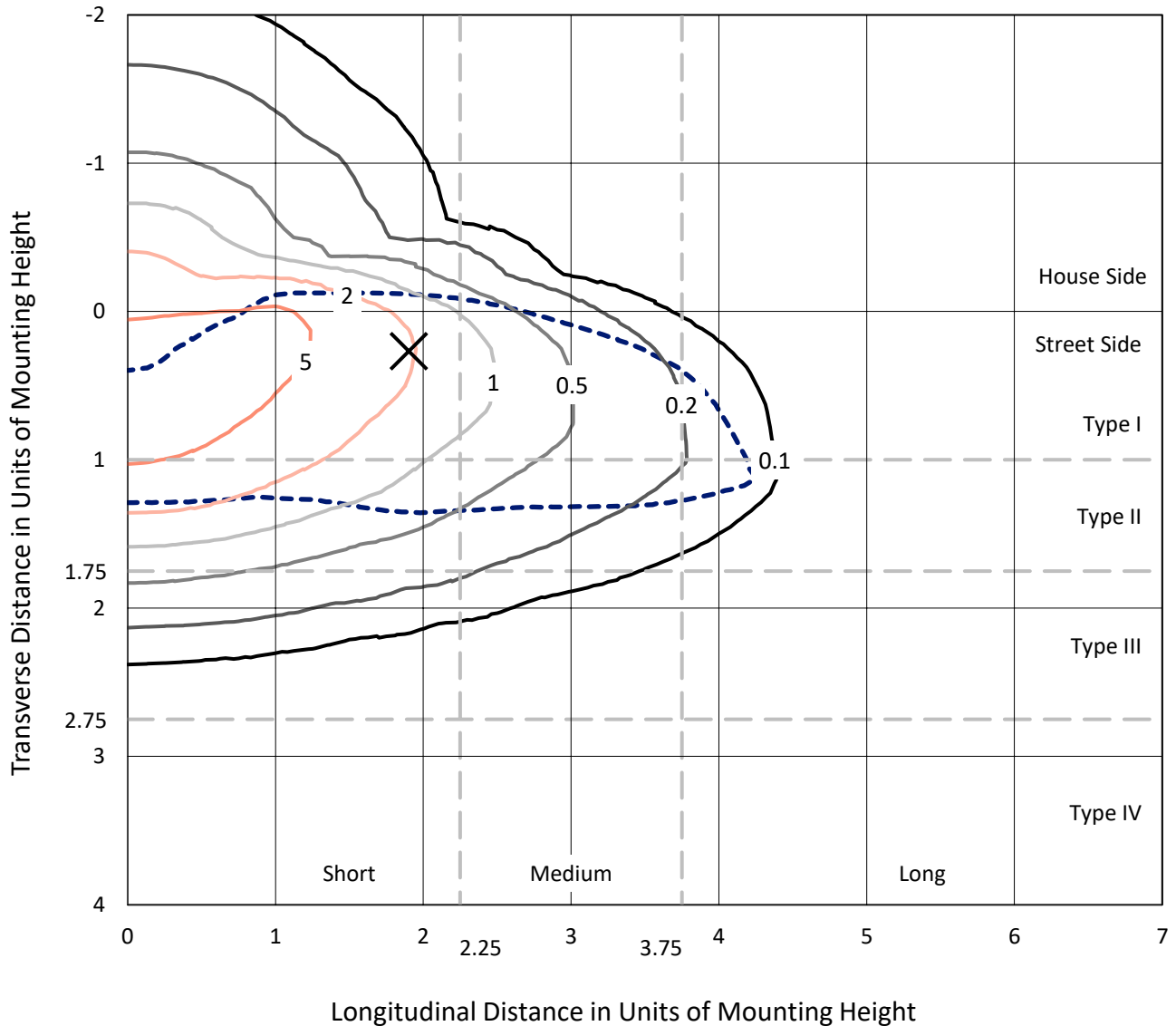
Lumens per Lamp: N/A
Luminaire Lumens: 8014 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

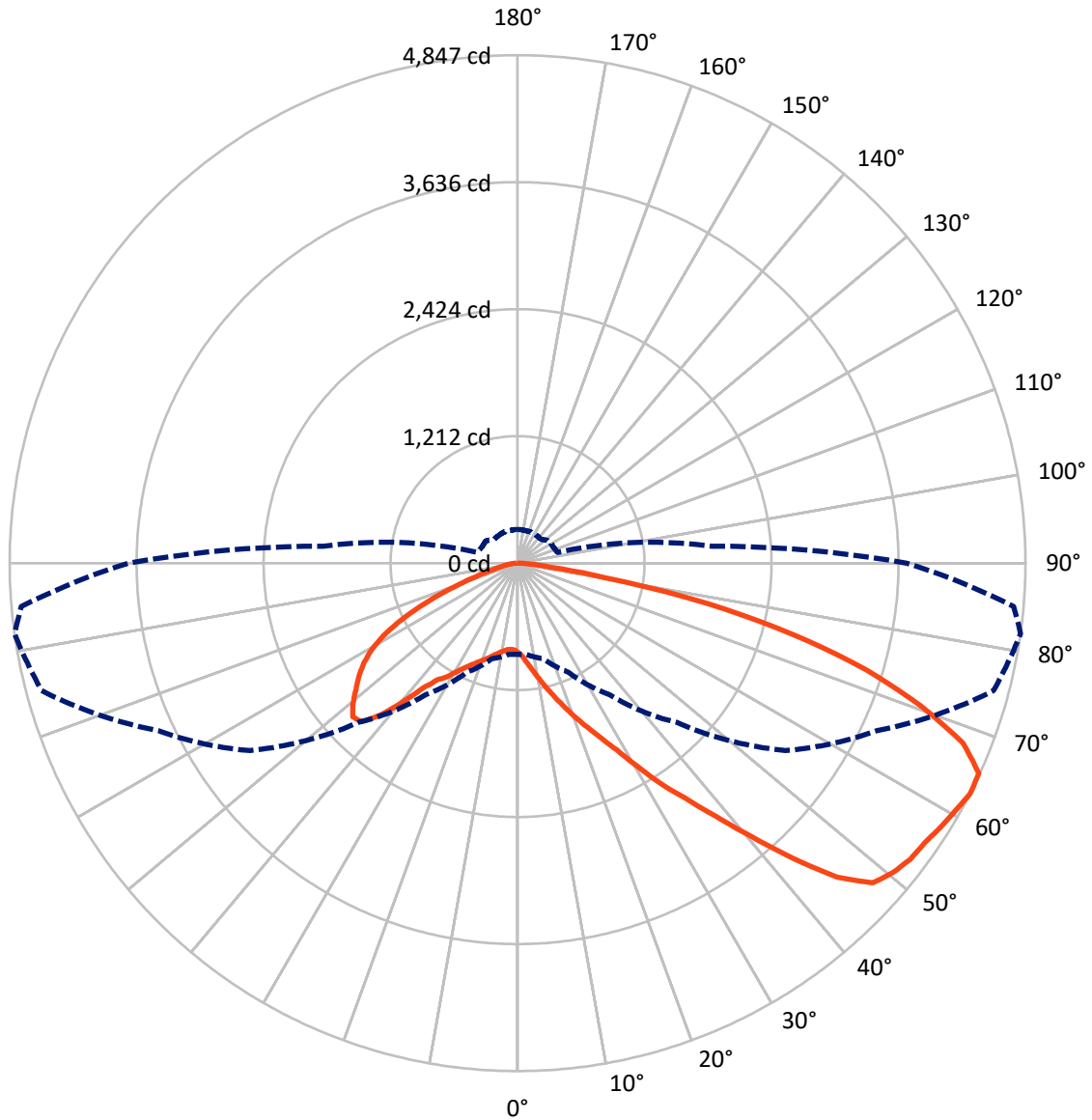
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.4 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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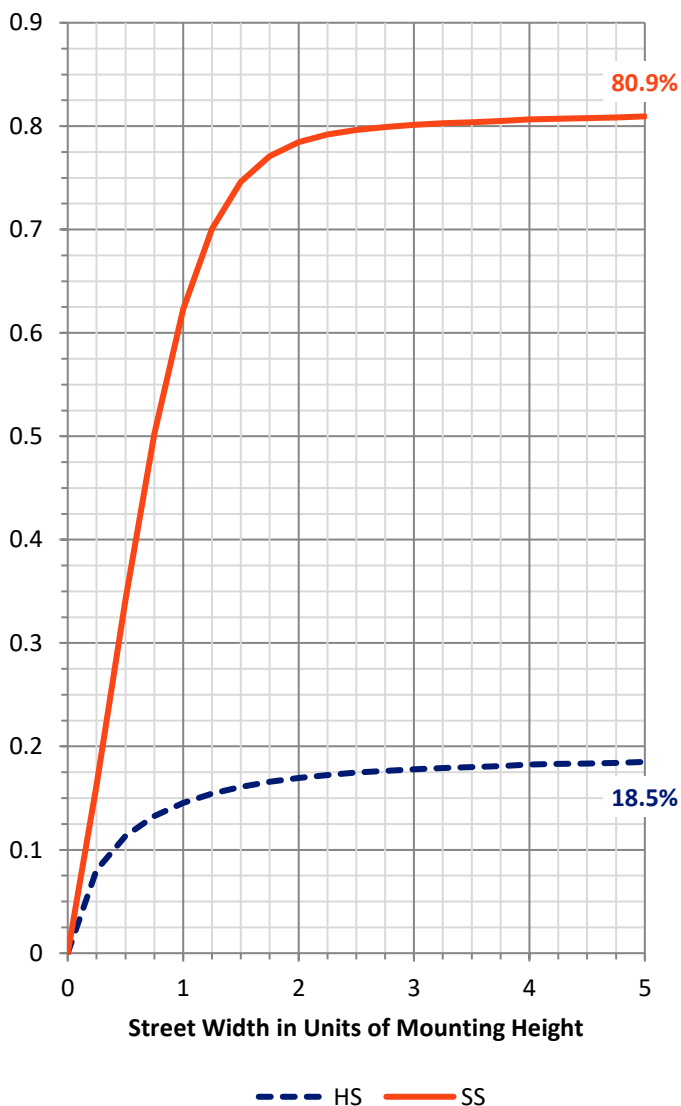
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1509.8	0.0	1509.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6504.2	0.0	6504.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	8014.0	0.0	8014.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	1.2
10°-20°	355.7	4.4
20°-30°	736.6	9.2
30°-40°	1250.3	15.6
40°-50°	1702.6	21.2
50°-60°	1723.4	21.5
60°-70°	1358.2	16.9
70°-80°	669.1	8.3
80°-90°	123.8	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°	8014.0	100.0
0°-180°	8014.0	100.0



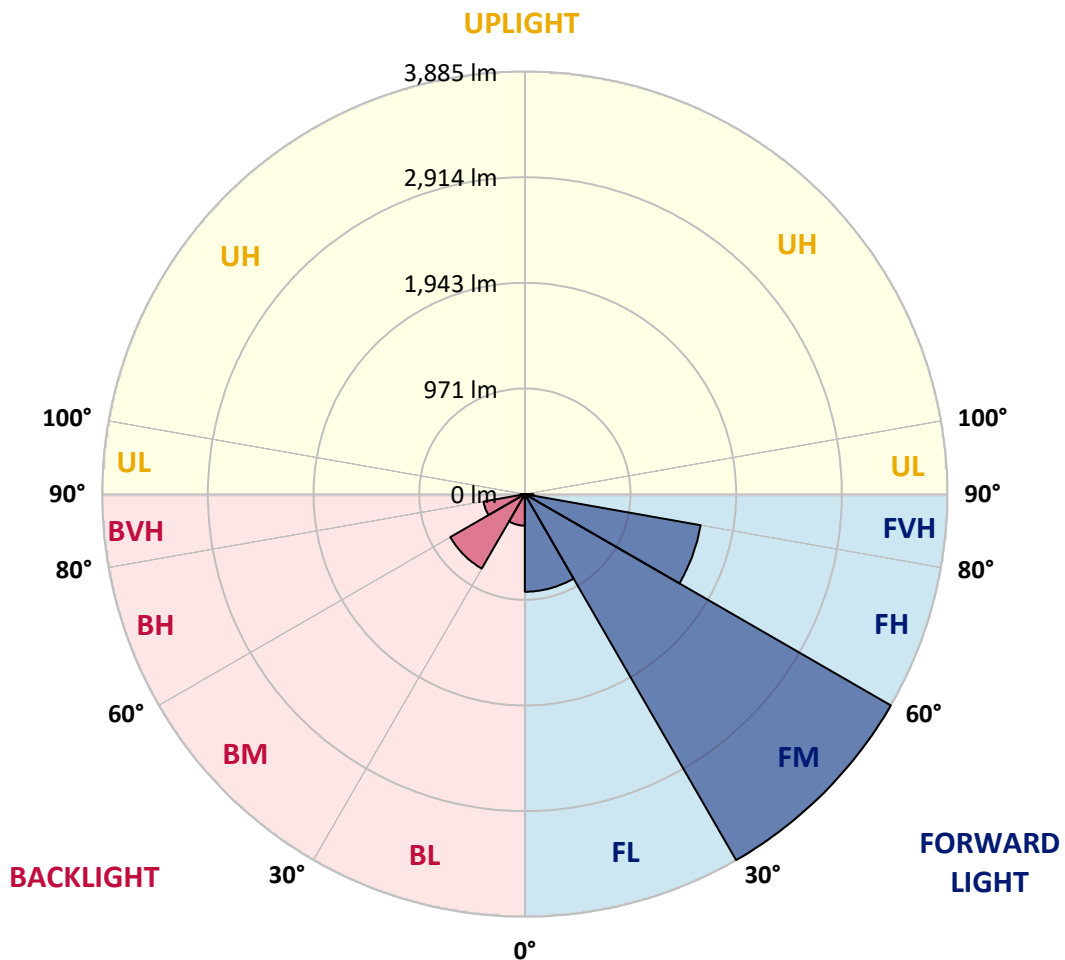
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	896.9	11.2			
FM (30°-60°)	3885.4	48.5			
FH (60°-80°)	1641.4	20.5			G1/1800
FVH (80°-90°)	80.4	1.0			G1/100
BL (0°-30°)	289.7	3.6	B1/500		
BM (30°-60°)	790.8	9.9	B1/1000		
BH (60°-80°)	385.9	4.8	B1/500		G1/500
BVH (80°-90°)	43.4	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°	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2
2.5°	1135.0	1117.7	1108.4	1098.0	1069.2	1050.7	1016.1	975.7	929.0	889.2	881.7
5°	1374.4	1357.1	1359.4	1334.0	1291.9	1252.7	1188.0	1111.9	1023.0	954.9	931.3
7.5°	1543.5	1524.4	1529.1	1518.7	1484.6	1441.4	1359.4	1261.3	1131.5	1030.5	992.4
10°	1656.6	1658.9	1662.3	1658.3	1636.4	1605.8	1524.4	1416.0	1254.4	1120.0	1068.0
12.5°	1784.7	1791.0	1789.9	1791.6	1780.1	1755.8	1676.2	1574.1	1385.4	1216.3	1148.8
15°	1948.0	1941.6	1946.8	1954.3	1941.6	1915.1	1844.7	1723.5	1522.7	1323.6	1240.0
17.5°	2126.8	2113.6	2127.4	2119.9	2110.7	2093.4	2016.0	1886.8	1664.7	1439.6	1341.5
20°	2281.5	2272.8	2280.3	2281.5	2283.2	2279.7	2200.1	2062.8	1813.5	1566.0	1451.2
22.5°	2455.1	2451.1	2450.0	2450.5	2452.3	2456.3	2402.1	2255.5	1978.5	1698.7	1569.4
25°	2698.1	2694.0	2667.5	2638.1	2620.7	2633.4	2605.2	2474.2	2160.9	1847.6	1699.3
27.5°	2970.4	2964.1	2928.9	2854.4	2799.0	2808.3	2805.4	2715.4	2370.9	2018.4	1855.1
30°	3253.1	3237.6	3189.1	3084.7	2997.5	2981.4	2989.5	2959.5	2635.2	2245.1	2072.0
32.5°	3505.3	3476.4	3412.4	3306.8	3202.9	3156.2	3157.4	3170.6	2922.5	2509.4	2299.4
35°	3659.4	3640.3	3592.4	3485.7	3369.7	3338.5	3329.9	3396.2	3186.2	2754.0	2503.0
37.5°	3742.4	3724.0	3672.6	3586.7	3498.9	3486.3	3502.4	3605.1	3485.7	3059.3	2780.0
40°	3727.4	3707.8	3674.4	3614.3	3556.6	3566.5	3638.0	3796.7	3812.8	3424.5	3174.7
42.5°	3604.0	3583.2	3580.3	3576.3	3549.1	3592.4	3721.7	3936.9	4113.5	3846.3	3652.4
45°	3385.9	3373.2	3388.2	3457.4	3491.4	3575.1	3760.9	4005.0	4377.7	4275.0	4104.2
47.5°	3109.5	3102.0	3136.0	3245.6	3355.9	3522.0	3786.9	4023.4	4559.5	4559.5	4400.2
50°	2800.2	2797.3	2842.3	3001.6	3174.1	3424.5	3784.0	4040.8	4639.1	4643.1	4504.7
52.5°	2368.6	2383.6	2503.6	2713.6	2947.9	3271.6	3743.6	4089.2	4684.1	4693.3	4574.5
55°	1871.2	1885.6	2066.8	2349.6	2649.6	3085.8	3623.0	4074.8	4692.8	4713.5	4614.3
57.5°	1493.9	1496.7	1609.8	1945.7	2317.2	2848.1	3483.9	3979.0	4667.4	4758.0	4675.5
60°	1169.0	1178.2	1253.8	1519.8	1931.8	2541.7	3328.7	3884.4	4681.8	4800.1	4730.9
62.5°	870.7	873.0	943.4	1149.4	1534.8	2151.1	3118.1	3783.4	4702.0	4847.4	4753.4
65°	567.2	566.6	634.7	820.5	1146.5	1729.3	2787.5	3625.3	4703.7	4837.0	4650.1
67.5°	360.6	362.9	392.4	509.5	767.4	1305.2	2337.4	3331.6	4621.8	4585.4	4273.9
70°	292.5	293.1	302.3	332.9	467.4	892.0	1757.0	2872.3	4362.7	4084.0	3714.7
72.5°	260.8	261.4	266.0	269.5	311.6	536.0	1152.9	2332.2	3902.3	3481.1	3081.8
75°	234.3	234.3	237.1	233.7	255.6	336.4	654.3	1753.5	3213.9	2710.8	2328.2
77.5°	205.4	204.8	204.8	203.1	221.0	245.8	327.7	1223.8	2314.9	1848.7	1510.0
80°	174.3	173.1	174.8	173.7	191.0	186.4	191.0	755.3	1255.0	847.6	642.8
82.5°	135.6	135.6	140.8	141.9	157.5	135.0	134.4	358.3	476.6	316.8	237.1
85°	71.0	79.6	107.3	111.9	118.9	84.8	98.7	167.3	191.0	121.2	86.6
87.5°	21.3	22.5	65.8	73.9	73.3	42.7	60.6	80.8	89.4	53.7	35.2
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°	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2
2.5°	862.6	842.4	799.7	761.6	732.8	705.1	686.1	676.2	663.6	665.3	661.2
5°	889.2	847.6	772.0	710.9	669.9	638.7	619.7	609.9	600.7	596.0	599.5
7.5°	929.0	864.4	758.8	684.9	642.2	615.7	605.3	602.4	600.1	598.4	601.2
10°	980.3	893.8	756.5	675.7	636.4	620.3	616.2	614.5	612.2	609.9	611.6
12.5°	1032.8	926.1	764.5	678.0	645.7	633.5	628.4	626.0	620.3	617.4	618.0
15°	1098.6	965.3	775.5	687.2	657.8	642.2	635.3	628.9	619.7	615.7	617.4
17.5°	1169.0	1012.1	790.5	695.9	662.4	643.4	629.5	620.3	611.0	605.3	605.9
20°	1248.6	1058.2	803.8	698.8	660.1	633.5	616.8	605.9	593.7	587.4	585.7
22.5°	1331.1	1106.7	814.2	696.4	647.4	616.8	597.8	584.5	570.1	560.3	560.8
25°	1431.5	1172.5	822.8	688.4	630.7	594.9	573.5	556.8	541.8	532.6	533.2
27.5°	1552.1	1246.9	833.2	675.7	610.5	571.2	546.4	529.7	515.3	506.6	505.5
30°	1713.1	1343.8	844.7	660.1	585.1	545.3	521.0	503.7	489.9	481.8	481.8
32.5°	1894.3	1462.1	852.8	641.6	556.8	517.6	495.6	481.8	471.4	460.4	459.3
35°	2051.8	1553.9	877.6	627.2	532.0	491.6	476.6	466.8	451.2	440.8	439.1
37.5°	2283.2	1715.4	950.9	623.2	502.0	471.4	468.5	450.1	432.2	412.6	410.8
40°	2655.9	1995.3	1036.3	603.5	470.8	460.4	457.6	432.8	390.6	378.5	376.2
42.5°	3130.2	2332.2	1045.5	546.4	448.9	451.2	442.6	394.1	375.6	366.4	364.1
45°	3558.4	2605.7	993.0	488.1	432.8	437.4	419.5	379.7	369.3	360.6	358.3
47.5°	3799.0	2690.0	893.8	444.3	420.6	425.3	382.6	372.7	362.4	353.7	351.4
50°	3866.5	2616.7	778.4	418.9	411.4	413.1	372.7	367.0	357.7	350.8	347.4
52.5°	3879.8	2507.1	671.6	403.9	404.5	388.9	364.1	359.5	353.7	342.7	338.7
55°	3885.5	2408.4	575.8	394.7	399.9	357.7	354.9	351.4	346.8	335.2	332.9
57.5°	3900.5	2282.0	500.8	387.7	394.1	343.3	344.5	342.2	336.4	331.2	330.0
60°	3857.8	2107.2	443.1	380.8	386.0	331.2	332.4	333.5	328.3	327.2	326.6
62.5°	3714.7	1859.1	394.1	371.6	369.3	319.1	319.1	323.7	319.1	320.8	320.8
65°	3419.9	1542.9	350.2	354.3	343.3	305.8	305.2	313.3	306.4	313.9	314.5
67.5°	2917.3	1167.9	305.2	327.2	316.2	292.0	294.3	300.6	291.4	307.0	307.0
70°	2309.2	794.5	258.5	289.1	288.5	276.4	283.9	283.3	272.9	296.0	292.0
72.5°	1720.0	510.1	210.6	242.3	252.2	259.7	273.5	261.4	251.6	264.8	252.7
75°	1201.9	319.7	166.2	191.6	210.0	241.2	260.8	236.6	222.1	218.1	214.6
77.5°	719.5	204.3	131.0	146.0	163.9	219.3	244.6	210.6	188.7	186.4	179.4
80°	331.8	133.3	99.8	109.1	116.6	188.1	222.7	180.0	153.5	151.2	143.1
82.5°	150.0	87.7	74.4	77.9	78.5	149.4	188.1	142.5	117.1	189.8	164.4
85°	69.8	56.5	48.5	46.2	46.7	99.8	136.7	98.1	133.3	103.9	79.0
87.5°	30.0	28.9	24.8	19.6	17.9	21.3	52.5	41.0	58.3	23.1	15.6
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)