

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: P672164

Luminaire Tested: **CCP-SA-2E-830-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672164
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-830-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

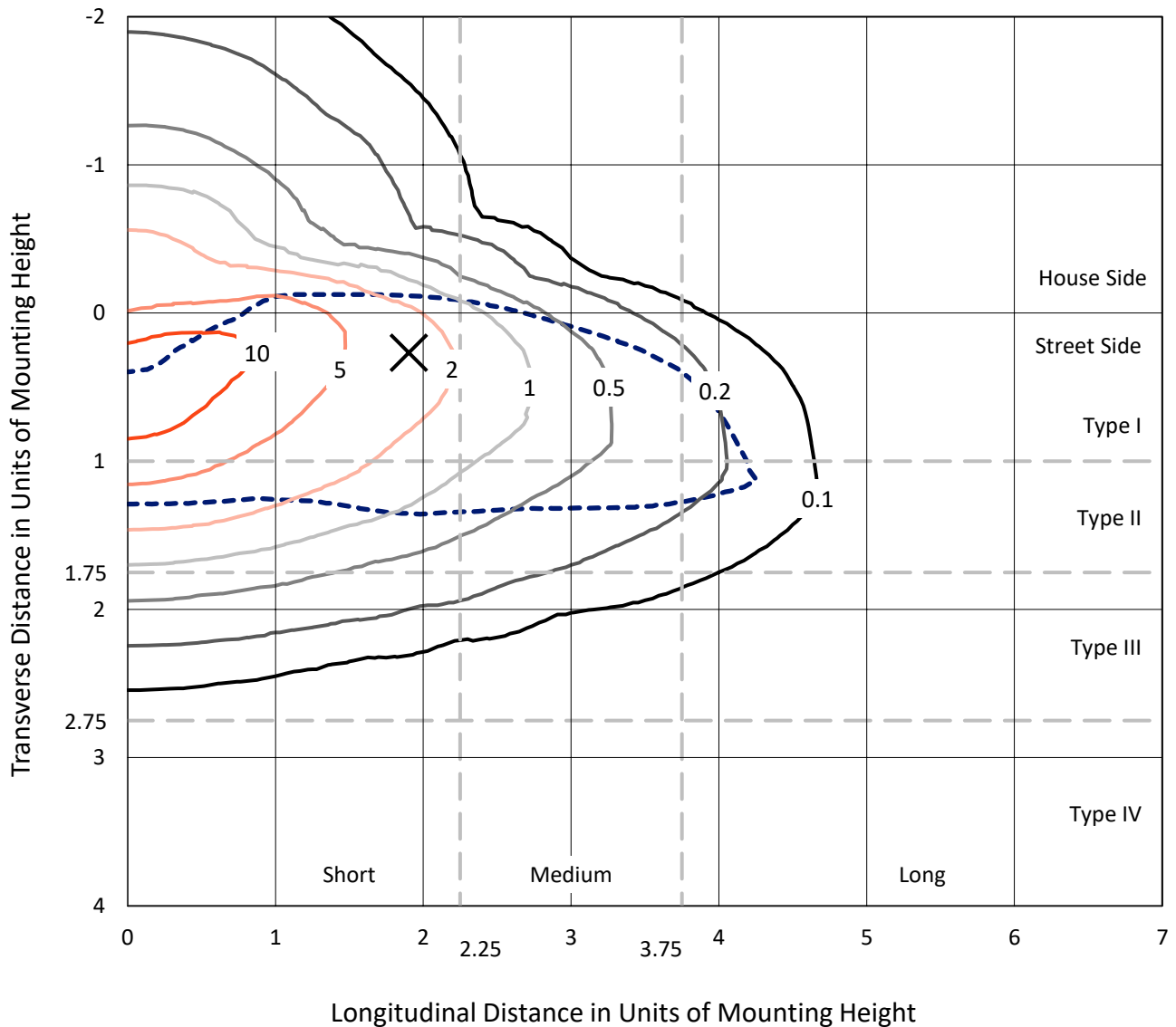
Lumens per Lamp: N/A
Luminaire Lumens: 11035.9 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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: P672164
 CATALOG NUMBER: CCP-SA-2E-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

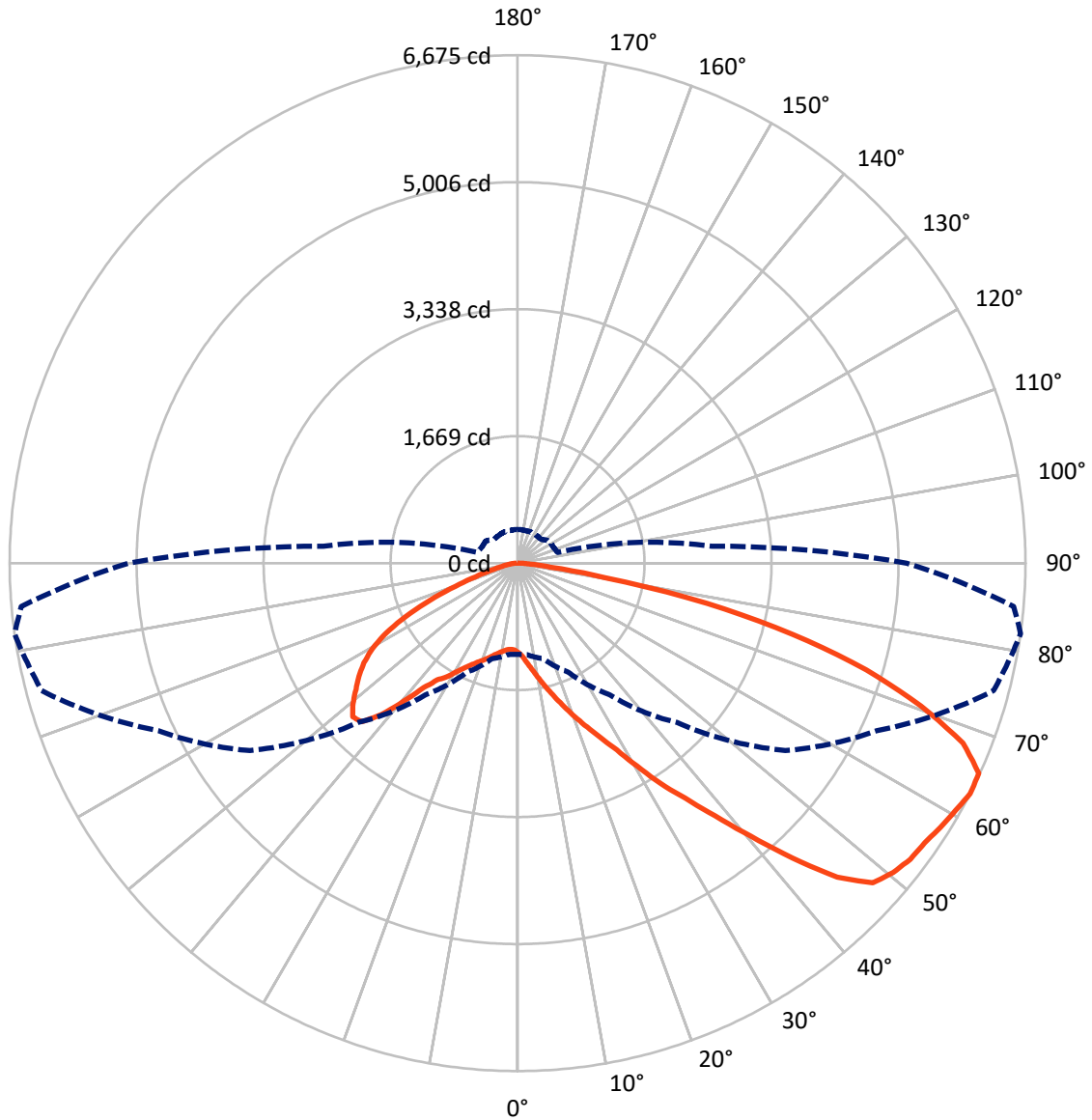
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

REPORT NUMBER: P672164
CATALOG NUMBER: CCP-SA-2E-830-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672164

CATALOG NUMBER: CCP-SA-2E-830-U-T2R

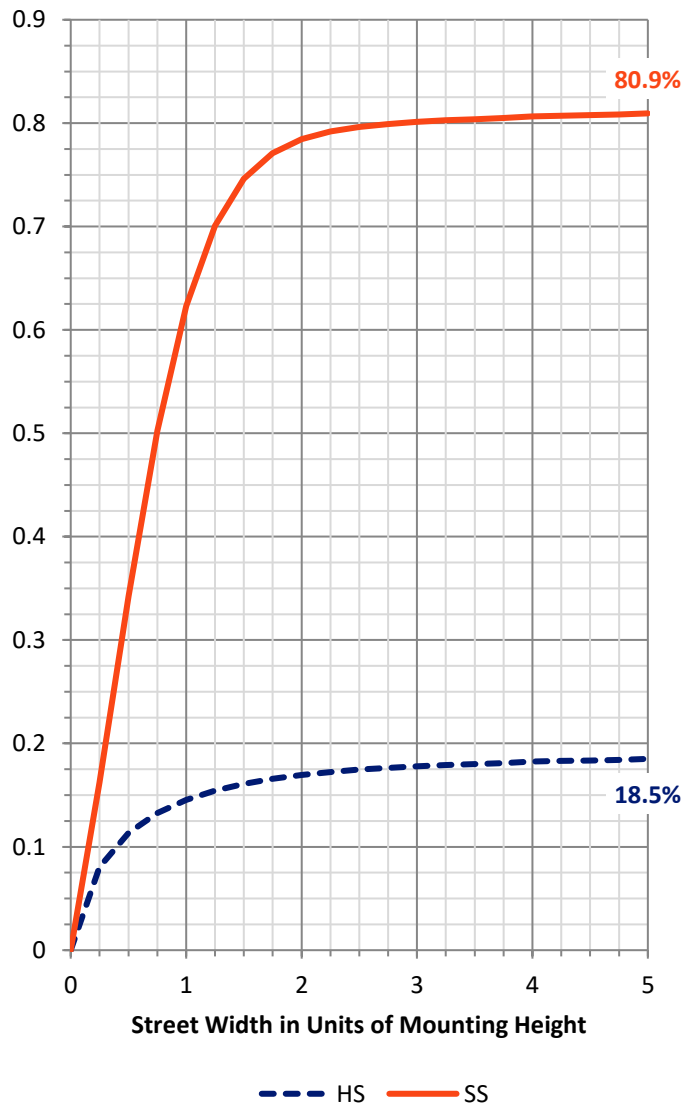
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2079.1	0.0	2079.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	8956.8	0.0	8956.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	11035.9	0.0	11035.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	1.2
10°-20°	489.8	4.4
20°-30°	1014.4	9.2
30°-40°	1721.7	15.6
40°-50°	2344.6	21.2
50°-60°	2373.2	21.5
60°-70°	1870.4	16.9
70°-80°	921.4	8.3
80°-90°	170.4	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°	11035.9	100.0
0°-180°	11035.9	100.0



REPORT NUMBER: P672164

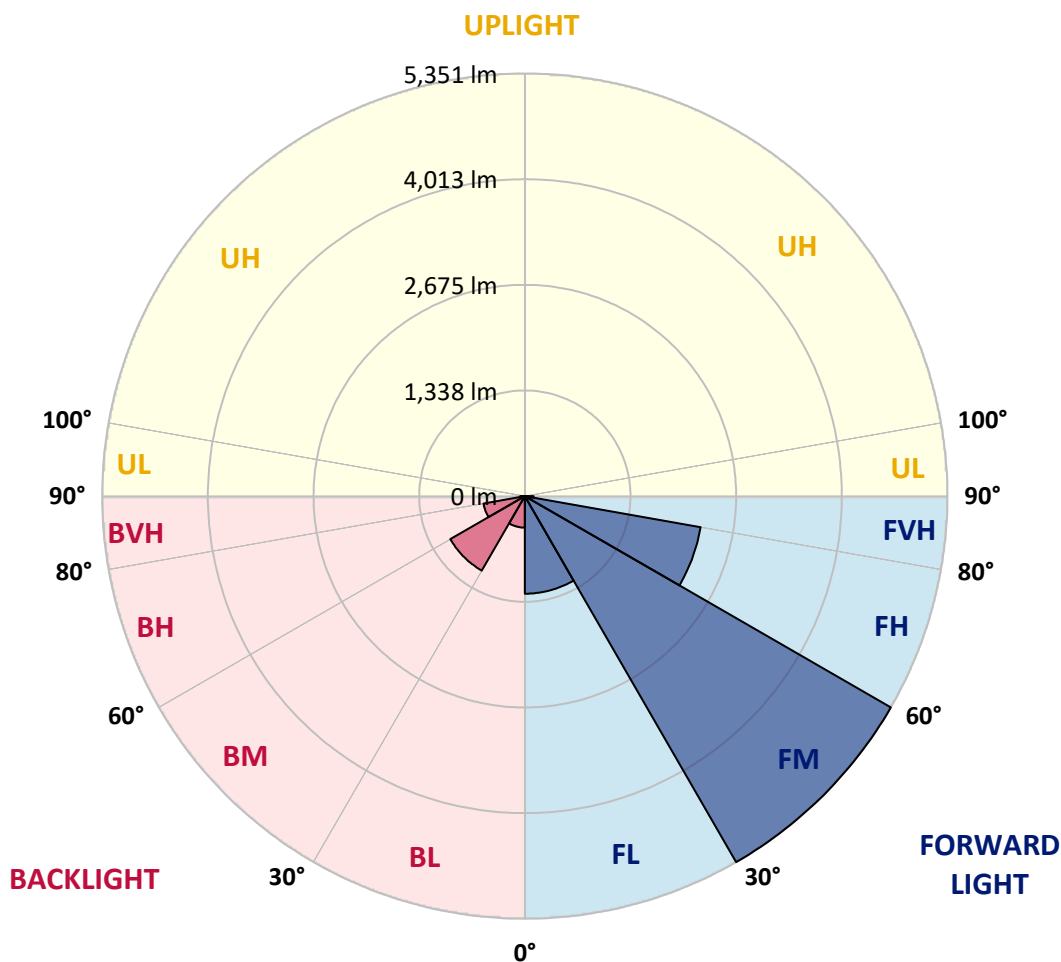
CATALOG NUMBER: CCP-SA-2E-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1235.2	11.2			
FM (30°-60°)	5350.6	48.5			
FH (60°-80°)	2260.3	20.5			G2/5000
FVH (80°-90°)	110.7	1.0			G2/225
BL (0°-30°)	398.9	3.6	B1/500		
BM (30°-60°)	1089.0	9.9	B2/2500		
BH (60°-80°)	531.5	4.8	B2/1000		G2/1000
BVH (80°-90°)	59.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P672164
 CATALOG NUMBER: CCP-SA-2E-830-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6
2.5°	1562.9	1539.1	1526.4	1512.1	1472.4	1446.9	1399.2	1343.6	1279.3	1224.4	1214.1
5°	1892.7	1868.8	1872.0	1837.1	1779.1	1725.0	1636.0	1531.1	1408.8	1315.0	1282.4
7.5°	2125.5	2099.3	2105.6	2091.3	2044.4	1984.9	1872.0	1736.9	1558.2	1419.1	1366.7
10°	2281.2	2284.4	2289.2	2283.6	2253.4	2211.3	2099.3	1949.9	1727.4	1542.3	1470.8
12.5°	2457.6	2466.4	2464.8	2467.2	2451.3	2417.9	2308.2	2167.6	1907.8	1675.0	1582.0
15°	2682.5	2673.8	2680.9	2691.2	2673.8	2637.2	2540.3	2373.4	2096.9	1822.8	1707.5
17.5°	2928.8	2910.5	2929.6	2919.3	2906.6	2882.7	2776.3	2598.3	2292.4	1982.5	1847.4
20°	3141.8	3129.8	3140.2	3141.8	3144.1	3139.4	3029.7	2840.6	2497.4	2156.5	1998.4
22.5°	3380.9	3375.4	3373.8	3374.6	3377.0	3382.5	3307.8	3106.0	2724.6	2339.2	2161.2
25°	3715.4	3709.9	3673.3	3632.8	3609.0	3626.4	3587.5	3407.1	2975.7	2544.2	2340.0
27.5°	4090.5	4081.7	4033.3	3930.8	3854.5	3867.2	3863.2	3739.3	3264.9	2779.4	2554.6
30°	4479.8	4458.4	4391.6	4247.8	4127.8	4105.6	4116.7	4075.4	3628.8	3091.7	2853.3
32.5°	4827.1	4787.3	4699.1	4553.7	4410.7	4346.3	4347.9	4366.2	4024.5	3455.6	3166.4
35°	5039.2	5013.0	4947.0	4800.0	4640.3	4597.4	4585.5	4676.9	4387.7	3792.5	3446.9
37.5°	5153.6	5128.2	5057.5	4939.1	4818.3	4800.8	4823.1	4964.5	4800.0	4212.8	3828.3
40°	5133.0	5106.0	5059.9	4977.2	4897.8	4911.3	5009.8	5228.3	5250.6	4715.8	4371.8
42.5°	4962.9	4934.3	4930.3	4924.8	4887.4	4947.0	5125.0	5421.4	5664.5	5296.6	5029.7
45°	4662.6	4645.1	4665.8	4761.1	4808.0	4923.2	5179.1	5515.2	6028.5	5887.0	5651.8
47.5°	4282.0	4271.6	4318.5	4469.5	4621.3	4850.1	5214.8	5540.6	6278.7	6278.7	6059.4
50°	3856.1	3852.1	3914.1	4133.4	4371.0	4715.8	5210.8	5564.4	6388.4	6394.0	6203.3
52.5°	3261.7	3282.4	3447.7	3736.9	4059.5	4505.3	5155.2	5631.2	6450.4	6463.1	6299.4
55°	2576.8	2596.7	2846.2	3235.5	3648.7	4249.4	4989.1	5611.3	6462.3	6490.9	6354.2
57.5°	2057.2	2061.1	2216.9	2679.3	3191.0	3922.0	4797.7	5479.4	6427.3	6552.1	6438.5
60°	1609.8	1622.5	1726.6	2092.9	2660.2	3500.1	4583.9	5349.1	6447.2	6610.1	6514.7
62.5°	1199.0	1202.2	1299.1	1582.8	2113.6	2962.2	4293.9	5210.0	6475.0	6675.2	6545.7
65°	781.1	780.3	874.0	1129.9	1578.8	2381.3	3838.6	4992.3	6477.4	6660.9	6403.5
67.5°	496.6	499.8	540.3	701.6	1056.8	1797.3	3218.8	4587.9	6364.6	6314.5	5885.4
70°	402.9	403.6	416.4	458.5	643.6	1228.4	2419.5	3955.4	6007.8	5624.0	5115.5
72.5°	359.1	359.9	366.3	371.1	429.1	738.2	1587.6	3211.7	5373.7	4793.7	4243.8
75°	322.6	322.6	326.6	321.8	352.0	463.2	901.1	2414.7	4425.8	3732.9	3206.1
77.5°	282.9	282.1	282.1	279.7	304.3	338.5	451.3	1685.3	3187.8	2545.8	2079.4
80°	240.0	238.4	240.8	239.2	263.0	256.6	263.0	1040.1	1728.2	1167.2	885.2
82.5°	186.7	186.7	193.9	195.5	216.9	185.9	185.1	493.4	656.3	436.2	326.6
85°	97.7	109.7	147.8	154.1	163.7	116.8	135.9	230.4	263.0	166.9	119.2
87.5°	29.4	31.0	90.6	101.7	100.9	58.8	83.4	111.2	123.2	73.9	48.5
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: P672164
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6	1173.6
2.5°	1187.9	1160.1	1101.3	1048.8	1009.1	971.0	944.8	931.2	913.8	916.1	910.6
5°	1224.4	1167.2	1063.1	978.9	922.5	879.6	853.4	839.9	827.2	820.8	825.6
7.5°	1279.3	1190.3	1044.9	943.2	884.4	847.8	833.5	829.5	826.4	824.0	827.9
10°	1350.0	1230.8	1041.7	930.4	876.4	854.2	848.6	846.2	843.0	839.9	842.3
12.5°	1422.3	1275.3	1052.8	933.6	889.1	872.4	865.3	862.1	854.2	850.2	851.0
15°	1512.9	1329.3	1067.9	946.3	905.8	884.4	874.8	866.1	853.4	847.8	850.2
17.5°	1609.8	1393.7	1088.6	958.3	912.2	886.0	866.9	854.2	841.5	833.5	834.3
20°	1719.5	1457.3	1106.8	962.2	909.0	872.4	849.4	834.3	817.6	808.9	806.5
22.5°	1833.1	1524.0	1121.1	959.1	891.5	849.4	823.2	804.9	785.0	771.5	772.3
25°	1971.3	1614.6	1133.1	947.9	868.5	819.2	789.8	766.8	746.1	733.4	734.2
27.5°	2137.4	1717.1	1147.4	930.4	840.7	786.6	752.5	729.4	709.6	697.6	696.0
30°	2359.1	1850.6	1163.3	909.0	805.7	750.9	717.5	693.7	674.6	663.5	663.5
32.5°	2608.6	2013.5	1174.4	883.6	766.8	712.7	682.5	663.5	649.2	634.1	632.5
35°	2825.5	2139.8	1208.6	863.7	732.6	677.0	656.3	642.8	621.4	607.1	604.7
37.5°	3144.1	2362.3	1309.5	858.1	691.3	649.2	645.2	619.8	595.1	568.1	565.7
40°	3657.4	2747.6	1427.1	831.1	648.4	634.1	630.1	595.9	537.9	521.2	518.1
42.5°	4310.6	3211.7	1439.8	752.5	618.2	621.4	609.4	542.7	517.3	504.6	501.4
45°	4900.2	3588.3	1367.5	672.2	595.9	602.3	577.7	522.8	508.5	496.6	493.4
47.5°	5231.5	3704.3	1230.8	611.8	579.2	585.6	526.8	513.3	499.0	487.1	483.9
50°	5324.5	3603.4	1071.9	576.9	566.5	568.9	513.3	505.4	492.6	483.1	478.3
52.5°	5342.7	3452.4	924.9	556.2	557.0	535.5	501.4	495.0	487.1	472.0	466.4
55°	5350.7	3316.6	793.0	543.5	550.6	492.6	488.7	483.9	477.5	461.6	458.5
57.5°	5371.3	3142.6	689.7	534.0	542.7	472.8	474.4	471.2	463.2	456.1	454.5
60°	5312.5	2901.8	610.2	524.4	531.6	456.1	457.7	459.3	452.1	450.5	449.7
62.5°	5115.5	2560.1	542.7	511.7	508.5	439.4	439.4	445.8	439.4	441.8	441.8
65°	4709.5	2124.7	482.3	487.9	472.8	421.1	420.3	431.5	421.9	432.2	433.0
67.5°	4017.4	1608.2	420.3	450.5	435.4	402.1	405.2	414.0	401.3	422.7	422.7
70°	3179.9	1094.1	356.0	398.1	397.3	380.6	390.9	390.1	375.8	407.6	402.1
72.5°	2368.6	702.4	290.0	333.7	347.2	357.6	376.6	359.9	346.4	364.7	348.0
75°	1655.1	440.2	228.8	263.8	289.2	332.1	359.1	325.8	305.9	300.4	295.6
77.5°	990.8	281.3	180.4	201.0	225.7	301.9	336.9	290.0	259.8	256.6	247.1
80°	456.9	183.5	137.5	150.2	160.5	259.0	306.7	247.9	211.4	208.2	197.1
82.5°	206.6	120.8	102.5	107.3	108.1	205.8	259.0	196.3	161.3	261.4	226.5
85°	96.1	77.9	66.7	63.6	64.4	137.5	188.3	135.1	183.5	143.0	108.9
87.5°	41.3	39.7	34.2	27.0	24.6	29.4	72.3	56.4	80.3	31.8	21.5
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)