

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: P675029

Luminaire Tested: **CCW-SA-2B-830-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675029
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-830-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

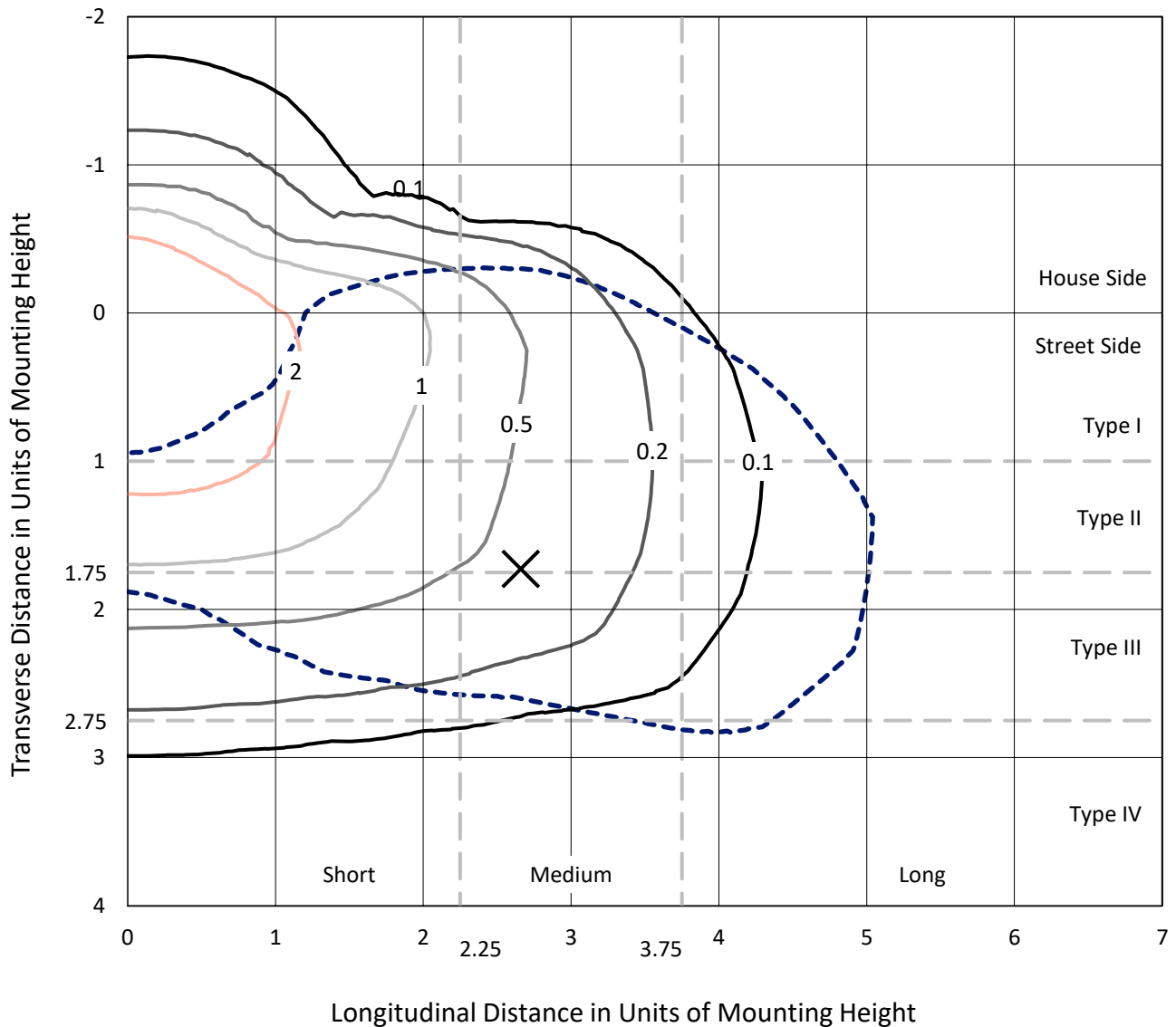
Lumens per Lamp: N/A
Luminaire Lumens: 5544.7 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

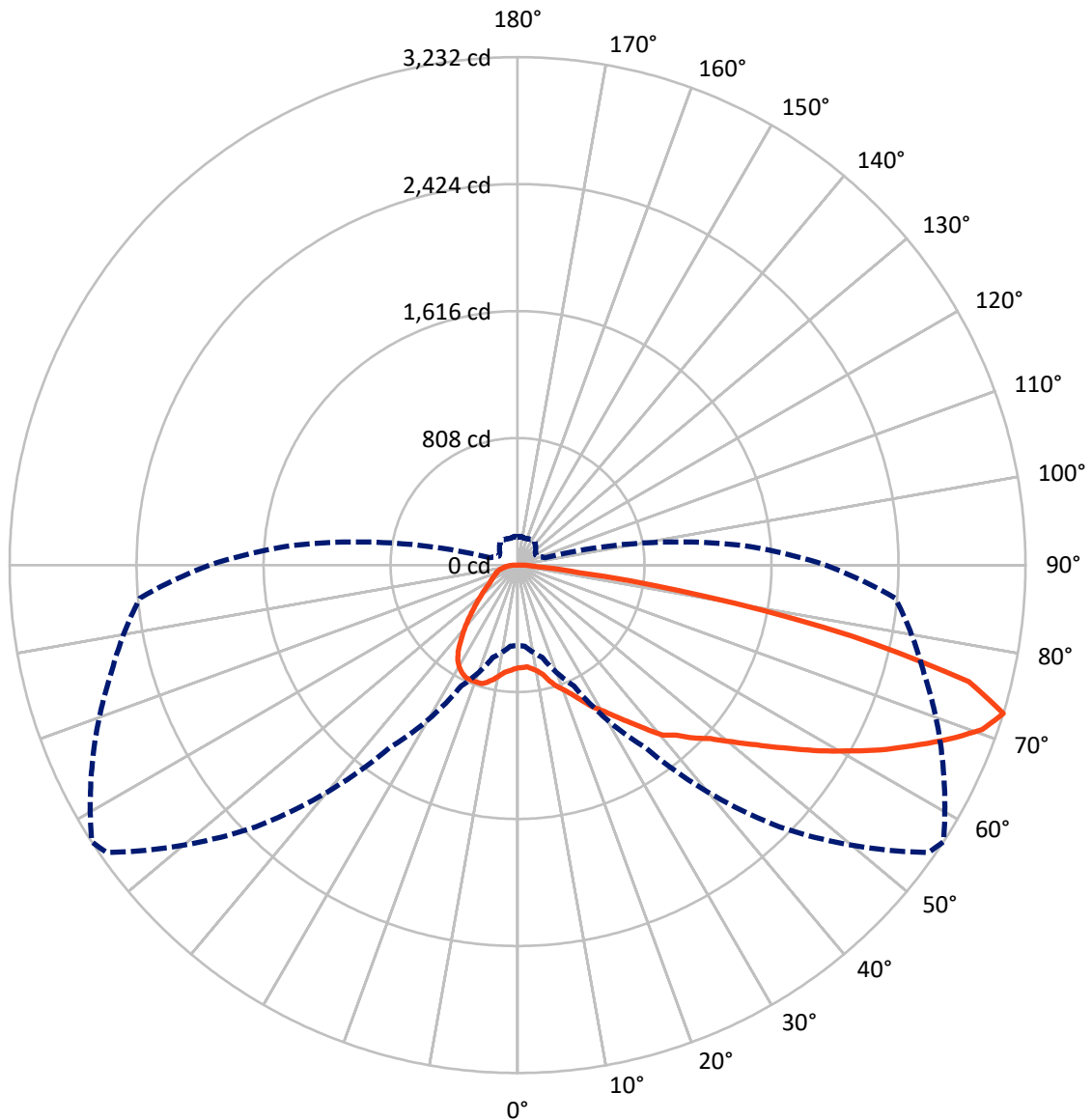
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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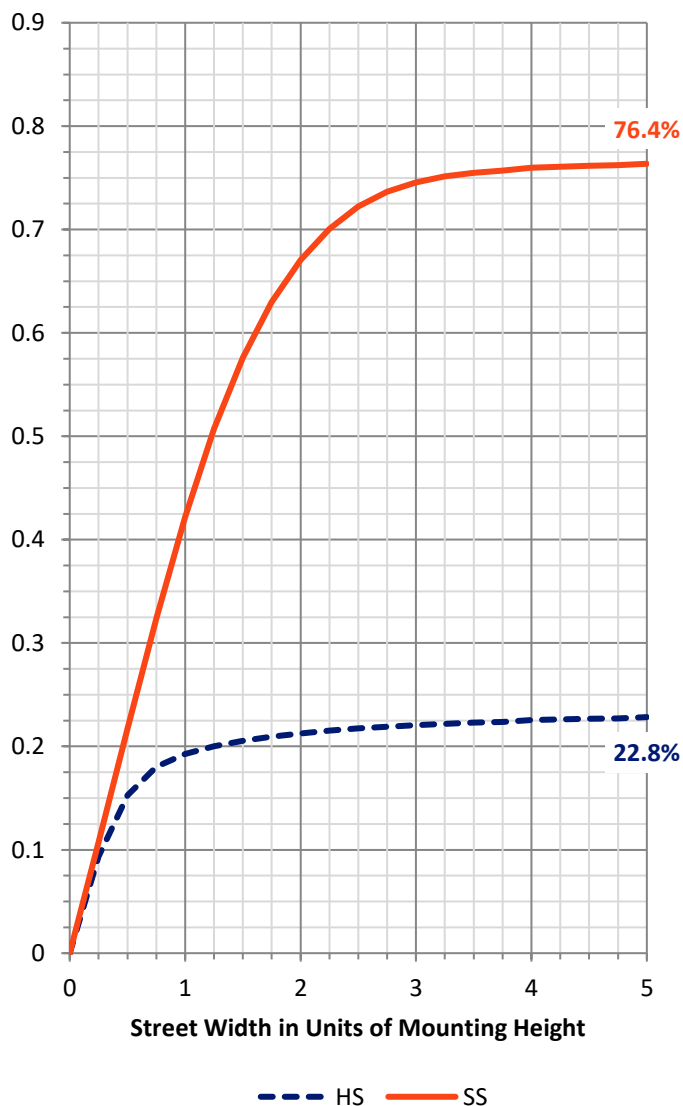
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1294.9	0.0	1294.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4249.8	0.0	4249.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	5544.7	0.0	5544.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.2
10°-20°	218.9	3.9
20°-30°	400.2	7.2
30°-40°	587.2	10.6
40°-50°	808.4	14.6
50°-60°	1108.6	20.0
60°-70°	1336.4	24.1
70°-80°	890.2	16.1
80°-90°	129.7	2.3
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°	5544.7	100.0
0°-180°	5544.7	100.0

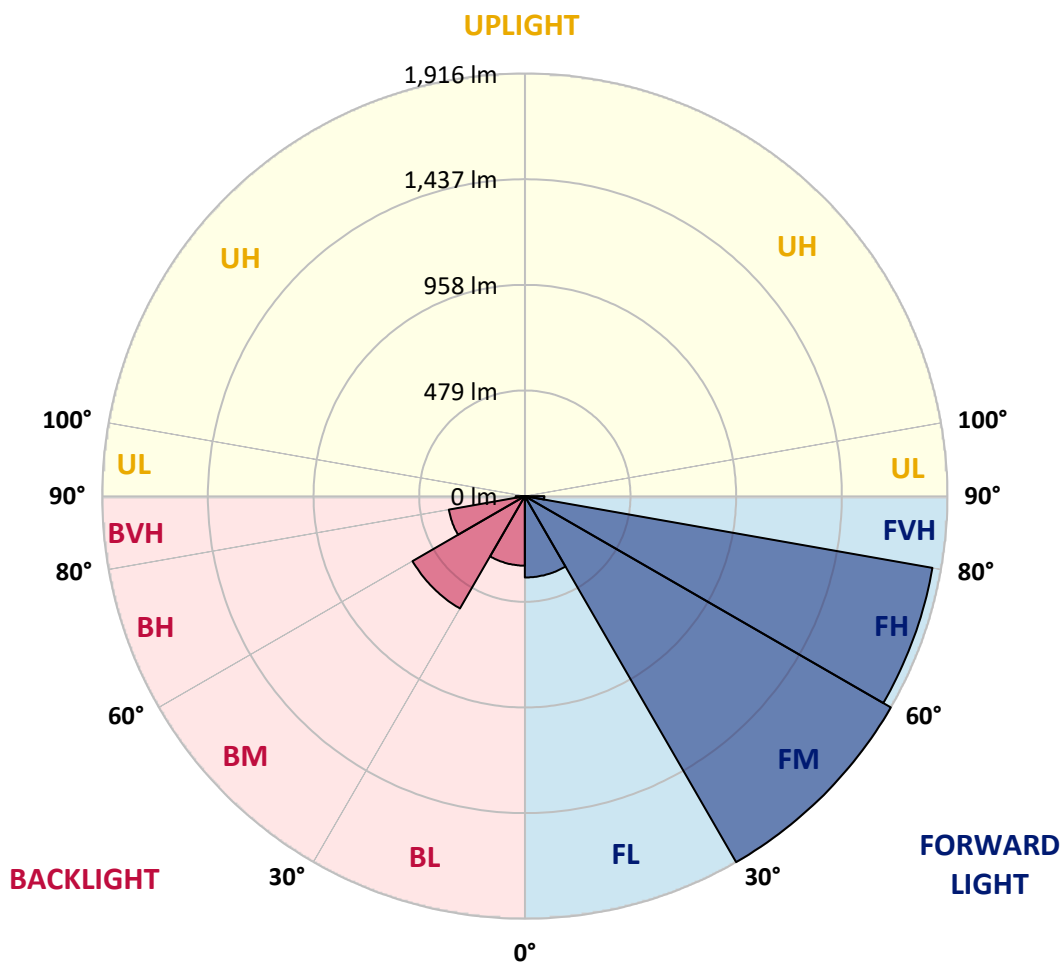


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.9	6.7			
FM (30°-60°)	1916.1	34.6			
FH (60°-80°)	1876.5	33.8			G2/5000
FVH (80°-90°)	88.3	1.6			G1/100
BL (0°-30°)	315.3	5.7	B1/500		
BM (30°-60°)	588.1	10.6	B1/1000		
BH (60°-80°)	350.1	6.3	B1/500		G1/500
BVH (80°-90°)	41.4	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4
2.5°	642.3	644.3	648.4	646.4	646.4	640.3	650.4	652.4	648.4	650.4	654.4
5°	642.3	646.4	652.4	648.4	650.4	648.4	644.3	650.4	650.4	652.4	658.5
7.5°	676.7	674.6	674.6	668.6	666.6	664.5	666.6	666.6	662.5	664.5	664.5
10°	715.0	715.0	711.0	711.0	707.0	696.9	686.8	684.7	678.7	680.7	680.7
12.5°	755.4	759.5	763.5	751.4	747.4	731.2	725.1	713.0	713.0	709.0	707.0
15°	805.9	799.9	803.9	799.9	789.8	773.6	763.5	765.5	751.4	747.4	741.3
17.5°	850.4	852.4	846.3	842.3	824.1	812.0	814.0	812.0	793.8	787.8	777.7
20°	902.9	900.9	900.9	888.8	872.6	856.4	850.4	848.4	852.4	840.3	816.0
22.5°	957.4	949.4	949.4	939.3	917.0	906.9	902.9	894.8	898.9	888.8	852.4
25°	1001.9	1001.9	1016.0	995.8	983.7	963.5	955.4	957.4	959.5	939.3	896.8
27.5°	1060.4	1050.3	1064.5	1054.4	1048.3	1026.1	1016.0	1022.1	1018.0	995.8	937.2
30°	1135.2	1137.2	1129.1	1115.0	1106.9	1090.7	1084.7	1078.6	1084.7	1056.4	981.7
32.5°	1228.1	1234.2	1214.0	1197.8	1183.7	1167.5	1155.4	1149.3	1155.4	1113.0	1016.0
35°	1335.2	1341.2	1325.1	1306.9	1290.7	1250.3	1240.2	1230.1	1207.9	1139.2	1048.3
37.5°	1434.1	1426.0	1422.0	1422.0	1391.7	1333.1	1327.1	1321.0	1278.6	1191.7	1092.8
40°	1500.8	1510.9	1506.8	1502.8	1498.8	1444.2	1432.1	1422.0	1351.3	1270.5	1155.4
42.5°	1575.5	1569.5	1585.6	1591.7	1577.5	1561.4	1512.9	1478.6	1415.9	1351.3	1248.3
45°	1664.4	1660.4	1666.4	1688.6	1668.4	1674.5	1593.7	1569.5	1490.7	1452.3	1365.4
47.5°	1743.2	1753.3	1783.6	1789.6	1773.5	1801.7	1688.6	1650.3	1599.8	1569.5	1486.6
50°	1777.5	1789.6	1858.3	1900.7	1902.7	1947.2	1783.6	1767.4	1698.7	1710.9	1638.1
52.5°	1749.2	1787.6	1870.4	1981.5	2050.2	2094.6	1908.8	1900.7	1838.1	1876.5	1803.8
55°	1775.5	1811.8	1866.4	2021.9	2195.6	2205.7	2082.5	2052.2	1989.6	2042.1	1975.5
57.5°	1787.6	1767.4	1870.4	2066.4	2302.7	2328.9	2248.1	2225.9	2177.4	2227.9	2189.6
60°	1692.7	1716.9	1813.9	2054.2	2308.7	2460.2	2434.0	2401.7	2357.2	2403.7	2381.5
62.5°	1585.6	1601.8	1706.8	1981.5	2343.1	2555.2	2613.7	2589.5	2526.9	2567.3	2605.7
65°	1450.3	1452.3	1569.5	1852.2	2276.4	2609.7	2771.3	2769.3	2724.8	2714.7	2775.3
67.5°	1284.7	1300.8	1393.7	1714.9	2185.5	2670.3	2926.8	2957.1	2868.3	2789.5	2811.7
70°	985.7	1001.9	1090.7	1405.8	1999.7	2652.1	3118.7	3134.9	2961.2	2761.2	2704.6
72.5°	513.1	517.1	608.0	848.4	1418.0	2355.2	3189.4	3231.8	2985.4	2678.4	2411.8
75°	169.7	169.7	208.0	323.2	668.6	1506.8	2888.5	2965.2	2866.2	2472.4	1973.4
77.5°	101.0	103.0	123.2	161.6	266.6	601.9	2036.1	2171.4	2345.1	2102.7	1442.2
80°	72.7	74.7	92.9	111.1	159.6	193.9	1022.1	1209.9	1440.2	1353.3	769.6
82.5°	54.5	54.5	72.7	82.8	109.1	115.1	284.8	389.8	622.1	484.8	212.1
85°	56.6	56.6	56.6	58.6	74.7	66.7	119.2	127.3	181.8	159.6	58.6
87.5°	20.2	22.2	56.6	38.4	38.4	28.3	46.5	50.5	64.6	66.7	22.2
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°	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4	654.4
2.5°	656.5	656.5	658.5	658.5	662.5	666.6	672.6	668.6	668.6	670.6	668.6
5°	654.4	656.5	662.5	672.6	676.7	678.7	690.8	690.8	690.8	694.8	694.8
7.5°	662.5	666.6	676.7	686.8	688.8	694.8	711.0	715.0	725.1	729.2	731.2
10°	682.7	688.8	696.9	709.0	717.1	725.1	737.3	751.4	749.4	761.5	763.5
12.5°	713.0	711.0	725.1	737.3	745.3	757.5	761.5	761.5	761.5	761.5	765.5
15°	737.3	741.3	753.4	761.5	771.6	769.6	761.5	753.4	755.4	753.4	753.4
17.5°	773.6	773.6	783.7	785.7	789.8	769.6	757.5	757.5	763.5	763.5	759.5
20°	810.0	808.0	812.0	810.0	783.7	759.5	757.5	759.5	761.5	759.5	757.5
22.5°	844.3	840.3	834.2	826.1	779.7	757.5	753.4	743.3	733.2	733.2	727.2
25°	874.6	870.6	854.4	830.2	777.7	745.3	725.1	700.9	688.8	682.7	690.8
27.5°	902.9	894.8	872.6	830.2	759.5	713.0	674.6	644.3	634.2	626.2	634.2
30°	941.3	927.1	896.8	824.1	731.2	662.5	610.0	573.7	563.6	551.4	555.5
32.5°	975.6	943.3	917.0	805.9	694.8	606.0	545.4	509.0	490.8	480.7	488.8
35°	1012.0	979.6	925.1	777.7	638.3	537.3	476.7	442.4	428.2	414.1	414.1
37.5°	1048.3	1030.1	937.2	725.1	569.6	472.7	418.1	391.9	367.6	341.4	341.4
40°	1125.1	1100.8	951.4	664.5	500.9	410.0	371.7	337.3	313.1	276.7	274.7
42.5°	1205.9	1153.4	951.4	591.8	440.3	365.6	329.2	292.9	248.4	226.2	228.2
45°	1308.9	1248.3	925.1	527.2	379.7	329.2	288.8	242.4	222.2	208.0	208.0
47.5°	1438.2	1343.2	892.8	456.5	331.3	296.9	246.4	218.1	204.0	191.9	189.9
50°	1591.7	1430.1	852.4	395.9	290.9	266.6	224.2	202.0	189.9	181.8	181.8
52.5°	1753.3	1557.3	824.1	341.4	258.5	226.2	208.0	193.9	183.8	177.8	175.7
55°	1916.9	1684.6	803.9	282.8	228.2	208.0	204.0	191.9	187.9	181.8	177.8
57.5°	2100.7	1789.6	799.9	242.4	204.0	200.0	208.0	197.9	191.9	185.8	179.8
60°	2298.6	1931.0	763.5	210.1	191.9	195.9	202.0	191.9	187.9	181.8	177.8
62.5°	2494.6	2036.1	664.5	185.8	179.8	183.8	191.9	183.8	177.8	179.8	181.8
65°	2575.4	2044.1	515.1	167.7	165.6	167.7	179.8	177.8	171.7	183.8	183.8
67.5°	2494.6	1971.4	363.6	151.5	151.5	161.6	181.8	185.8	179.8	195.9	193.9
70°	2310.8	1791.6	246.4	141.4	145.4	171.7	187.9	183.8	175.7	195.9	191.9
72.5°	1961.3	1434.1	179.8	131.3	137.4	163.6	185.8	181.8	175.7	183.8	175.7
75°	1472.5	1020.0	141.4	119.2	121.2	147.5	191.9	181.8	165.6	161.6	155.5
77.5°	983.7	630.2	109.1	105.0	105.0	129.3	183.8	169.7	149.5	143.4	141.4
80°	468.6	252.5	86.9	88.9	90.9	111.1	167.7	151.5	135.3	127.3	127.3
82.5°	149.5	94.9	72.7	72.7	72.7	90.9	139.4	127.3	117.2	111.1	101.0
85°	52.5	52.5	62.6	64.6	58.6	66.7	115.1	109.1	97.0	80.8	78.8
87.5°	20.2	30.3	42.4	50.5	36.4	46.5	82.8	76.8	70.7	52.5	50.5
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)