

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: P674949

Luminaire Tested: **CCW-SA-1E-727-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674949
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-727-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

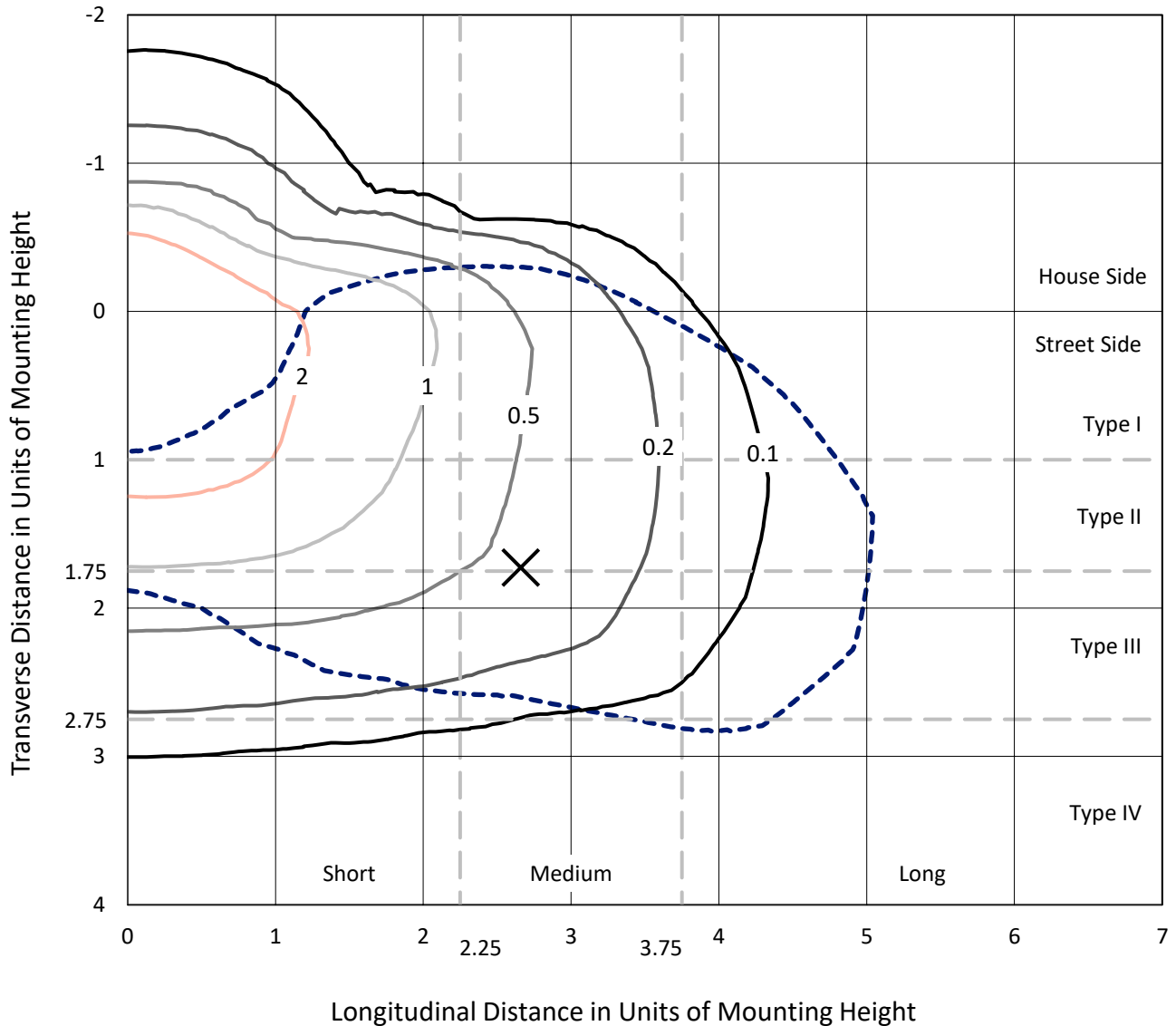
Lumens per Lamp: N/A
Luminaire Lumens: 5777.2 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

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Iso-Footcandle Lines of Horizontal Illumination

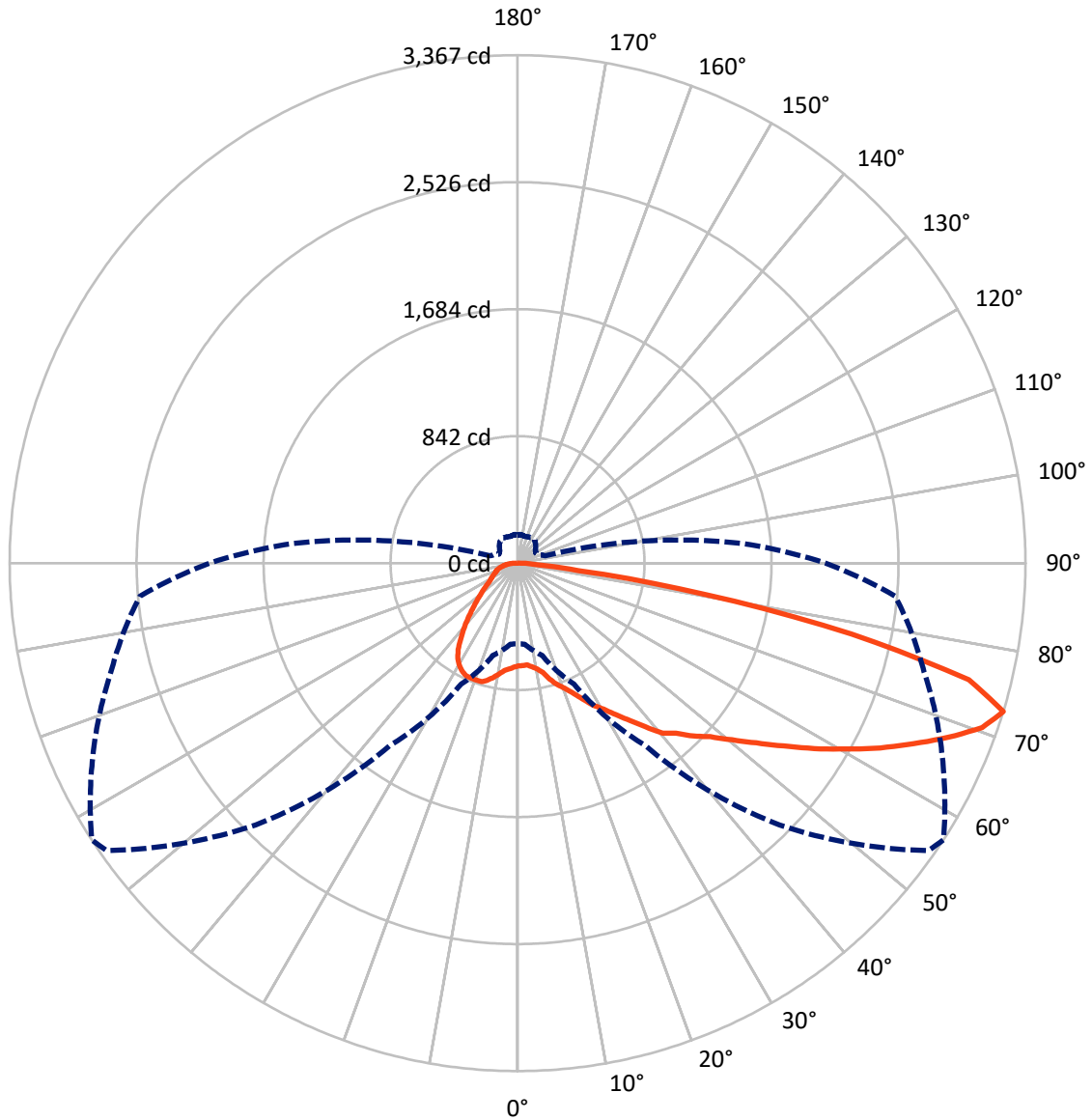
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 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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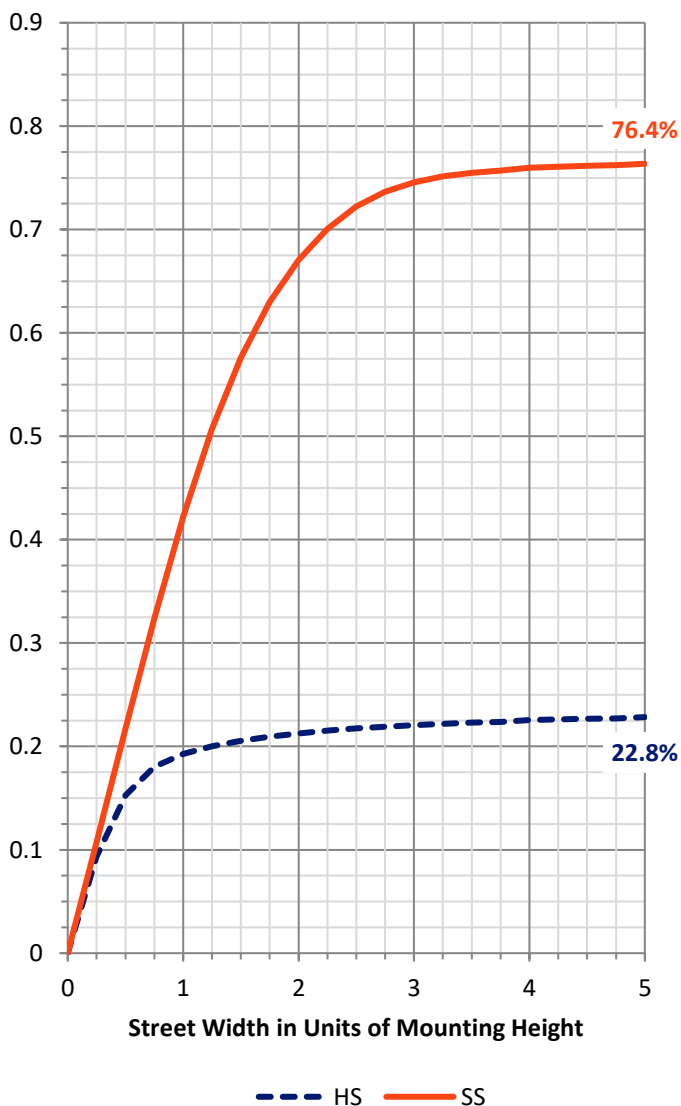
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1349.2	0.0	1349.2
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4428.0	0.0	4428.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	5777.2	0.0	5777.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	1.2
10°-20°	228.1	3.9
20°-30°	417.0	7.2
30°-40°	611.8	10.6
40°-50°	842.4	14.6
50°-60°	1155.1	20.0
60°-70°	1392.4	24.1
70°-80°	927.6	16.1
80°-90°	135.1	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°	5777.2	100.0
0°-180°	5777.2	100.0



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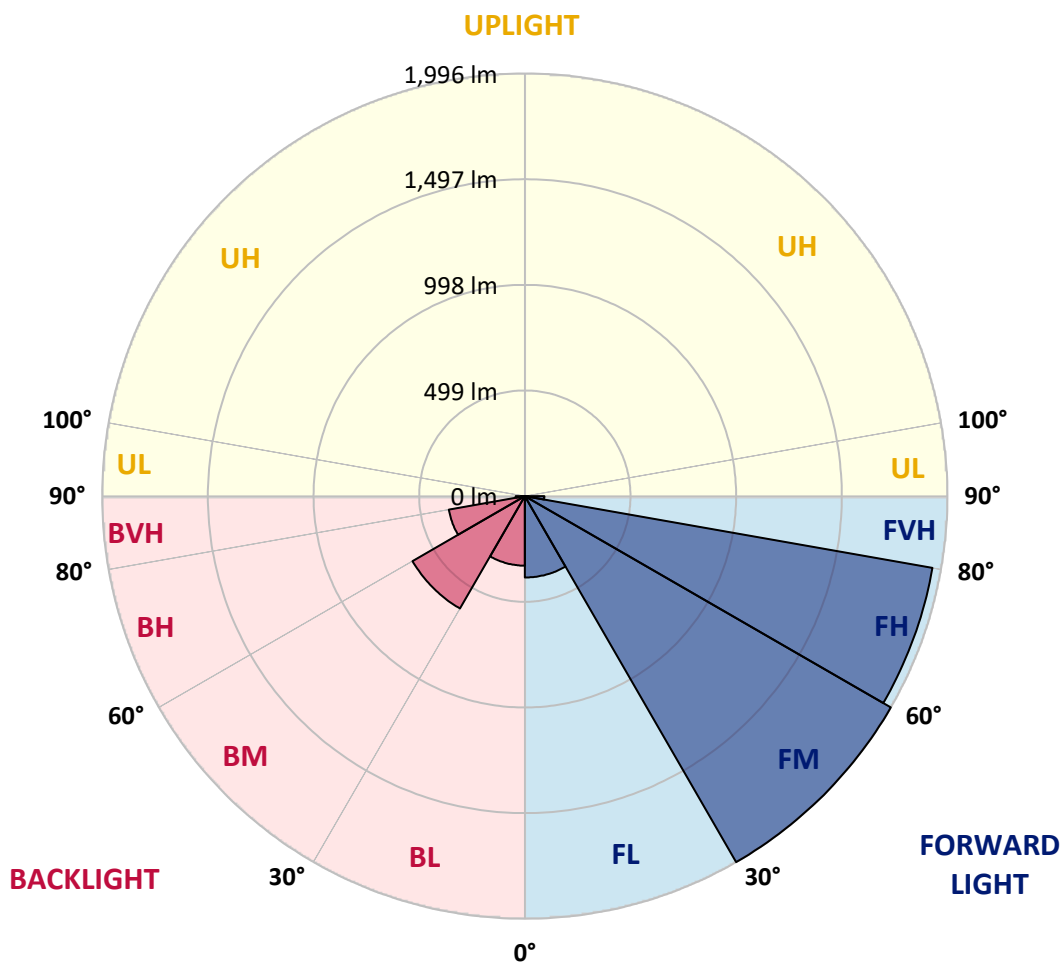
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.3	6.7			
FM (30°-60°)	1996.5	34.6			
FH (60°-80°)	1955.2	33.8			G2/5000
FVH (80°-90°)	92.0	1.6			G1/100
BL (0°-30°)	328.5	5.7	B1/500		
BM (30°-60°)	612.8	10.6	B1/1000		
BH (60°-80°)	364.8	6.3	B1/500		G1/500
BVH (80°-90°)	43.1	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°	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9
2.5°	669.3	671.4	675.6	673.5	673.5	667.2	677.7	679.8	675.6	677.7	681.9
5°	669.3	673.5	679.8	675.6	677.7	675.6	671.4	677.7	677.7	679.8	686.1
7.5°	705.0	702.9	702.9	696.6	694.5	692.4	694.5	694.5	690.3	692.4	692.4
10°	745.0	745.0	740.8	740.8	736.6	726.1	715.6	713.5	707.1	709.3	709.3
12.5°	787.1	791.3	795.5	782.9	778.7	761.9	755.6	742.9	742.9	738.7	736.6
15°	839.7	833.4	837.6	833.4	822.9	806.1	795.5	797.6	782.9	778.7	772.4
17.5°	886.0	888.1	881.8	877.6	858.7	846.1	848.2	846.1	827.1	820.8	810.3
20°	940.8	938.7	938.7	926.0	909.2	892.4	886.0	883.9	888.1	875.5	850.3
22.5°	997.6	989.2	989.2	978.6	955.5	945.0	940.8	932.3	936.5	926.0	888.1
25°	1043.9	1043.9	1058.6	1037.6	1024.9	1003.9	995.5	997.6	999.7	978.6	934.4
27.5°	1104.9	1094.4	1109.1	1098.6	1092.3	1069.1	1058.6	1064.9	1060.7	1037.6	976.5
30°	1182.8	1184.9	1176.5	1161.7	1153.3	1136.5	1130.2	1123.9	1130.2	1100.7	1022.8
32.5°	1279.6	1285.9	1264.9	1248.0	1233.3	1216.5	1203.8	1197.5	1203.8	1159.6	1058.6
35°	1391.1	1397.5	1380.6	1361.7	1344.8	1302.8	1292.2	1281.7	1258.6	1187.0	1092.3
37.5°	1494.3	1485.9	1481.6	1481.6	1450.1	1389.0	1382.7	1376.4	1332.2	1241.7	1138.6
40°	1563.7	1574.2	1570.0	1565.8	1561.6	1504.8	1492.2	1481.6	1408.0	1323.8	1203.8
42.5°	1641.6	1635.3	1652.1	1658.4	1643.7	1626.9	1576.3	1540.6	1475.3	1408.0	1300.6
45°	1734.2	1730.0	1736.3	1759.5	1738.4	1744.7	1660.5	1635.3	1553.2	1513.2	1422.7
47.5°	1816.3	1826.8	1858.4	1864.7	1847.8	1877.3	1759.5	1719.5	1666.8	1635.3	1549.0
50°	1852.1	1864.7	1936.2	1980.4	1982.5	2028.8	1858.4	1841.5	1770.0	1782.6	1706.8
52.5°	1822.6	1862.6	1948.9	2064.6	2136.2	2182.5	1988.9	1980.4	1915.2	1955.2	1879.4
55°	1849.9	1887.8	1944.7	2106.7	2287.7	2298.2	2169.8	2138.3	2073.0	2127.8	2058.3
57.5°	1862.6	1841.5	1948.9	2153.0	2399.3	2426.6	2342.4	2319.3	2268.8	2321.4	2281.4
60°	1763.7	1788.9	1889.9	2140.4	2405.6	2563.4	2536.0	2502.4	2456.1	2504.5	2481.3
62.5°	1652.1	1669.0	1778.4	2064.6	2441.3	2662.3	2723.4	2698.1	2632.9	2675.0	2714.9
65°	1511.1	1513.2	1635.3	1929.9	2371.9	2719.2	2887.5	2885.4	2839.1	2828.6	2891.7
67.5°	1338.5	1355.4	1452.2	1786.8	2277.2	2782.3	3049.6	3081.1	2988.5	2906.5	2929.6
70°	1027.0	1043.9	1136.5	1464.8	2083.6	2763.3	3249.5	3266.3	3085.4	2877.0	2818.1
72.5°	534.6	538.8	633.5	883.9	1477.4	2454.0	3323.2	3367.4	3110.6	2790.7	2512.9
75°	176.8	176.8	216.8	336.7	696.6	1570.0	3009.6	3089.6	2986.4	2576.0	2056.2
77.5°	105.2	107.3	128.4	168.4	277.8	627.2	2121.4	2262.5	2443.4	2190.9	1502.7
80°	75.8	77.9	96.8	115.8	166.3	202.0	1064.9	1260.7	1500.6	1410.1	801.9
82.5°	56.8	56.8	75.8	86.3	113.6	120.0	296.7	406.2	648.2	505.1	221.0
85°	58.9	58.9	58.9	61.0	77.9	69.5	124.2	132.6	189.4	166.3	61.0
87.5°	21.0	23.2	58.9	40.0	40.0	29.5	48.4	52.6	67.3	69.5	23.2
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°	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9	681.9
2.5°	684.0	684.0	686.1	686.1	690.3	694.5	700.8	696.6	696.6	698.7	696.6
5°	681.9	684.0	690.3	700.8	705.0	707.1	719.8	719.8	719.8	724.0	724.0
7.5°	690.3	694.5	705.0	715.6	717.7	724.0	740.8	745.0	755.6	759.8	761.9
10°	711.4	717.7	726.1	738.7	747.1	755.6	768.2	782.9	780.8	793.4	795.5
12.5°	742.9	740.8	755.6	768.2	776.6	789.2	793.4	793.4	793.4	793.4	797.6
15°	768.2	772.4	785.0	793.4	804.0	801.9	793.4	785.0	787.1	785.0	785.0
17.5°	806.1	806.1	816.6	818.7	822.9	801.9	789.2	789.2	795.5	795.5	791.3
20°	843.9	841.8	846.1	843.9	816.6	791.3	789.2	791.3	793.4	791.3	789.2
22.5°	879.7	875.5	869.2	860.8	812.4	789.2	785.0	774.5	764.0	764.0	757.7
25°	911.3	907.1	890.2	865.0	810.3	776.6	755.6	730.3	717.7	711.4	719.8
27.5°	940.8	932.3	909.2	865.0	791.3	742.9	702.9	671.4	660.8	652.4	660.8
30°	980.7	966.0	934.4	858.7	761.9	690.3	635.6	597.7	587.2	574.6	578.8
32.5°	1016.5	982.9	955.5	839.7	724.0	631.4	568.2	530.4	511.4	500.9	509.3
35°	1054.4	1020.7	963.9	810.3	665.1	559.8	496.7	460.9	446.2	431.4	431.4
37.5°	1092.3	1073.3	976.5	755.6	593.5	492.5	435.7	408.3	383.0	355.7	355.7
40°	1172.3	1147.0	991.3	692.4	521.9	427.2	387.2	351.5	326.2	288.3	286.2
42.5°	1256.4	1201.7	991.3	616.6	458.8	380.9	343.1	305.2	258.9	235.7	237.8
45°	1363.8	1300.6	963.9	549.3	395.7	343.1	301.0	252.6	231.5	216.8	216.8
47.5°	1498.5	1399.6	930.2	475.6	345.2	309.4	256.8	227.3	212.6	199.9	197.8
50°	1658.4	1490.1	888.1	412.5	303.1	277.8	233.6	210.5	197.8	189.4	189.4
52.5°	1826.8	1622.7	858.7	355.7	269.4	235.7	216.8	202.0	191.5	185.2	183.1
55°	1997.3	1755.2	837.6	294.6	237.8	216.8	212.6	199.9	195.7	189.4	185.2
57.5°	2188.8	1864.7	833.4	252.6	212.6	208.4	216.8	206.3	199.9	193.6	187.3
60°	2395.0	2012.0	795.5	218.9	199.9	204.1	210.5	199.9	195.7	189.4	185.2
62.5°	2599.2	2121.4	692.4	193.6	187.3	191.5	199.9	191.5	185.2	187.3	189.4
65°	2683.4	2129.9	536.7	174.7	172.6	174.7	187.3	185.2	178.9	191.5	191.5
67.5°	2599.2	2054.1	378.8	157.8	157.8	168.4	189.4	193.6	187.3	204.1	202.0
70°	2407.7	1866.8	256.8	147.3	151.5	178.9	195.7	191.5	183.1	204.1	199.9
72.5°	2043.6	1494.3	187.3	136.8	143.1	170.5	193.6	189.4	183.1	191.5	183.1
75°	1534.3	1062.8	147.3	124.2	126.3	153.6	199.9	189.4	172.6	168.4	162.1
77.5°	1024.9	656.6	113.6	109.4	109.4	134.7	191.5	176.8	155.7	149.4	147.3
80°	488.3	263.1	90.5	92.6	94.7	115.8	174.7	157.8	141.0	132.6	132.6
82.5°	155.7	98.9	75.8	75.8	75.8	94.7	145.2	132.6	122.1	115.8	105.2
85°	54.7	54.7	65.2	67.3	61.0	69.5	120.0	113.6	101.0	84.2	82.1
87.5°	21.0	31.6	44.2	52.6	37.9	48.4	86.3	80.0	73.7	54.7	52.6
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)