

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: P675307

Luminaire Tested: **CCW-SA-2C-827-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675307
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

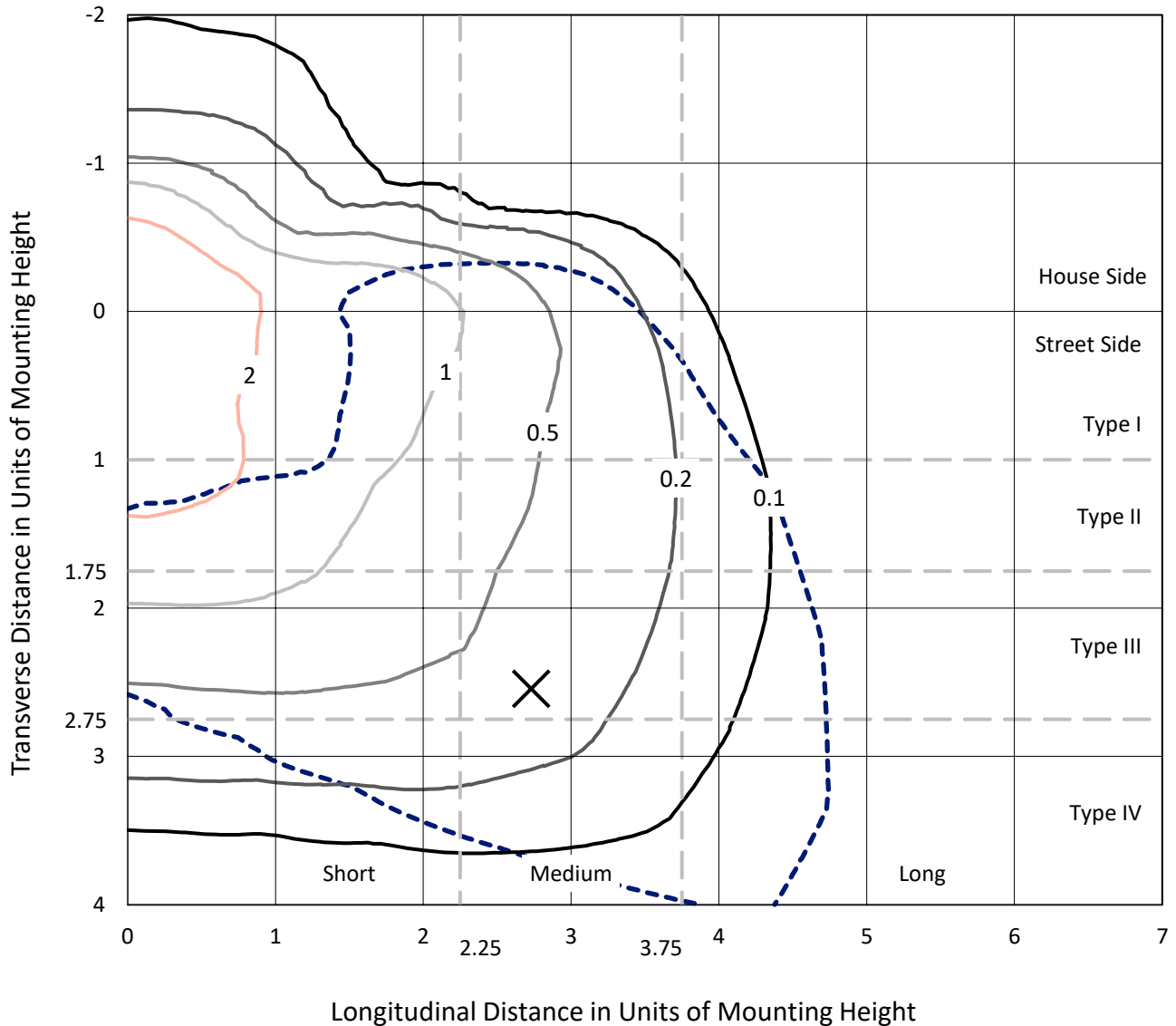
Lumens per Lamp: N/A
Luminaire Lumens: 6705.1 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

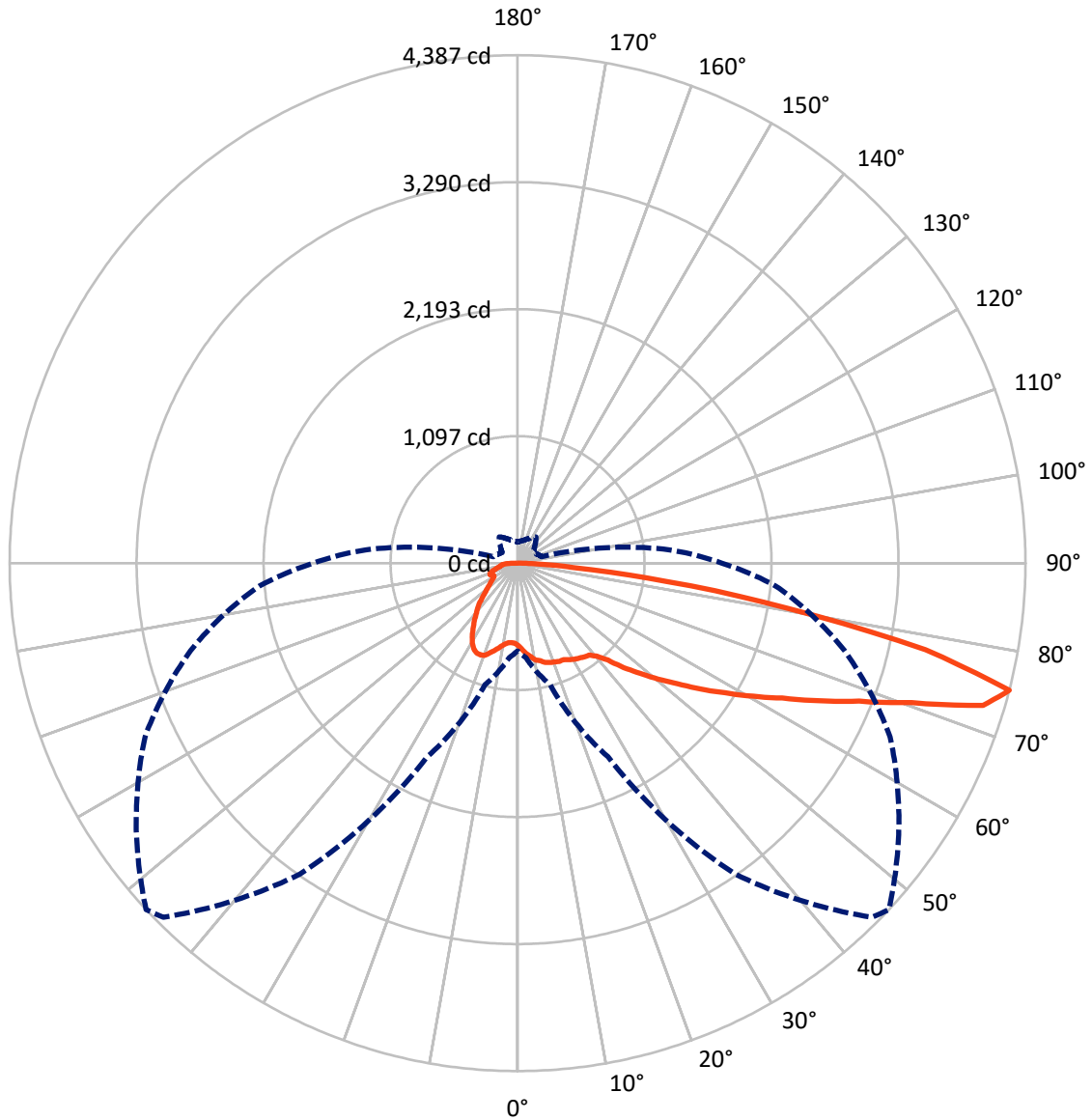
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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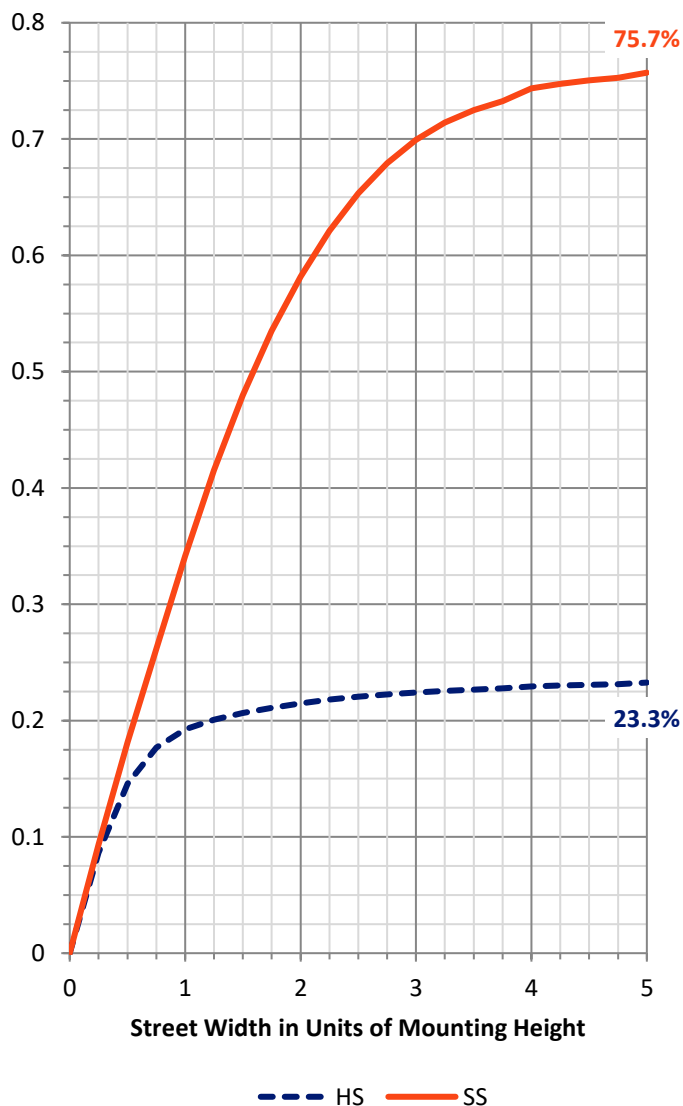
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1603.5	0.0	1603.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5101.6	0.0	5101.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	6705.1	0.0	6705.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.1
10°-20°	239.0	3.6
20°-30°	409.4	6.1
30°-40°	572.8	8.5
40°-50°	798.6	11.9
50°-60°	1193.8	17.8
60°-70°	1721.1	25.7
70°-80°	1465.0	21.8
80°-90°	233.4	3.5
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°	6705.1	100.0
0°-180°	6705.1	100.0



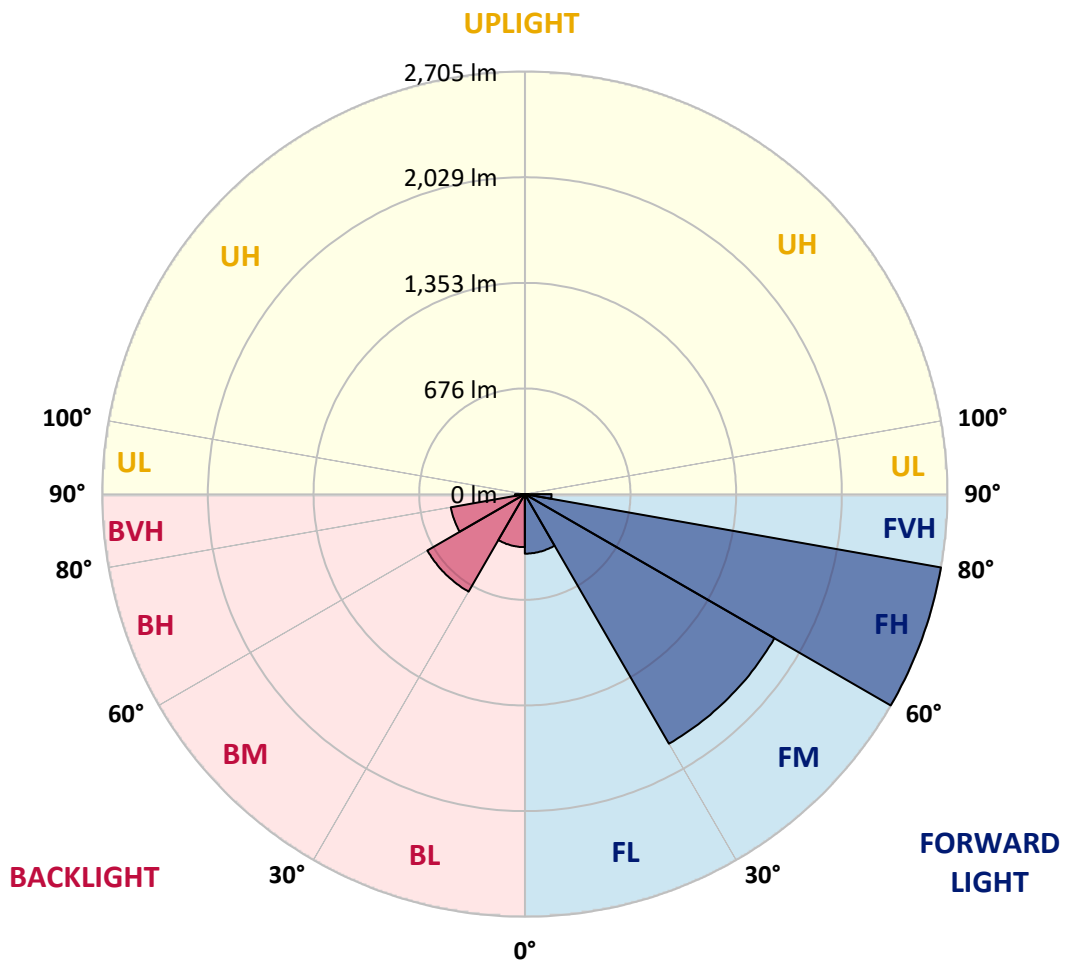
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.0	5.7			
FM (30°-60°)	1844.5	27.5			
FH (60°-80°)	2705.1	40.3			G2/5000
FVH (80°-90°)	171.0	2.6			G2/225
BL (0°-30°)	339.4	5.1	B1/500		
BM (30°-60°)	720.7	10.7	B1/1000		
BH (60°-80°)	481.0	7.2	B1/500		G1/500
BVH (80°-90°)	62.4	0.9			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9
2.5°	763.3	765.8	765.8	760.9	756.0	746.2	746.2	736.4	731.5	719.3	714.4
5°	834.3	826.9	819.6	817.1	804.9	787.8	785.3	775.5	748.6	736.4	719.3
7.5°	885.6	883.2	880.7	871.0	848.9	822.0	814.7	800.0	773.1	748.6	729.1
10°	927.2	937.0	927.2	905.2	883.2	853.8	851.4	824.5	800.0	770.7	746.2
12.5°	973.7	976.2	959.0	932.1	897.9	873.4	863.6	853.8	826.9	802.5	765.8
15°	1005.5	1000.6	988.4	951.7	912.6	888.1	890.5	878.3	848.9	831.8	792.7
17.5°	1005.5	1005.5	985.9	959.0	924.8	902.8	902.8	895.4	875.9	851.4	824.5
20°	985.9	985.9	973.7	959.0	919.9	915.0	910.1	905.2	905.2	883.2	844.0
22.5°	961.5	956.6	961.5	937.0	910.1	915.0	922.3	919.9	912.6	893.0	866.1
25°	937.0	939.5	944.4	927.2	902.8	924.8	922.3	934.6	929.7	915.0	893.0
27.5°	934.6	939.5	941.9	924.8	915.0	934.6	944.4	956.6	959.0	944.4	917.4
30°	971.3	968.8	966.4	944.4	937.0	954.1	963.9	981.1	995.7	963.9	941.9
32.5°	1066.7	1052.0	1037.3	978.6	956.6	968.8	978.6	1003.1	1005.5	988.4	956.6
35°	1218.4	1208.6	1159.6	1056.9	995.7	983.5	993.3	1010.4	1015.3	1003.1	978.6
37.5°	1392.1	1387.2	1318.7	1193.9	1076.5	1017.8	1008.0	1032.4	1052.0	1025.1	990.8
40°	1563.3	1543.8	1494.8	1372.5	1179.2	1069.1	1056.9	1069.1	1076.5	1056.9	1034.9
42.5°	1717.5	1695.4	1683.2	1560.9	1313.8	1154.8	1145.0	1115.6	1137.6	1113.2	1083.8
45°	1847.1	1842.2	1837.3	1732.1	1467.9	1294.2	1286.9	1211.0	1235.5	1215.9	1174.3
47.5°	1940.1	1962.1	1954.8	1896.1	1644.1	1443.4	1421.4	1323.6	1360.3	1340.7	1299.1
50°	2050.2	2062.4	2055.1	2015.9	1808.0	1614.7	1573.1	1472.8	1514.4	1511.9	1489.9
52.5°	2148.0	2184.7	2143.1	2140.7	2042.8	1800.6	1729.7	1634.3	1702.8	1729.7	1727.2
55°	2263.0	2292.4	2280.2	2275.3	2253.2	1981.7	1918.1	1803.1	1918.1	1957.2	1991.5
57.5°	2360.9	2358.4	2404.9	2461.2	2488.1	2189.6	2113.8	1979.2	2152.9	2197.0	2292.4
60°	2404.9	2446.5	2524.8	2666.7	2742.5	2412.3	2334.0	2226.3	2390.2	2424.5	2600.6
62.5°	2434.3	2471.0	2622.7	2862.4	2906.5	2639.8	2566.4	2458.8	2649.6	2674.0	2935.8
65°	2353.6	2387.8	2688.7	2935.8	3092.4	2884.4	2867.3	2754.8	2908.9	2923.6	3288.1
67.5°	2260.6	2297.3	2632.5	3028.8	3339.5	3209.8	3182.9	3048.4	3165.8	3148.7	3557.2
70°	2096.7	2145.6	2488.1	3109.5	3613.5	3664.9	3611.1	3420.2	3432.5	3271.0	3569.5
72.5°	1597.6	1629.4	1947.4	2789.0	3740.7	4296.1	4203.1	3821.5	3682.0	3295.5	3151.1
75°	758.4	817.1	1086.3	1844.7	3278.3	4325.4	4386.6	4019.6	3549.9	2923.6	2233.7
77.5°	220.2	220.2	330.3	782.9	2055.1	3486.3	3601.3	3412.9	2928.5	2165.2	1174.3
80°	119.9	127.2	173.7	276.5	902.8	2199.4	2365.8	2263.0	1724.8	856.3	303.4
82.5°	68.5	70.9	115.0	166.4	411.0	1196.3	1294.2	1174.3	655.7	259.3	141.9
85°	39.1	41.6	66.1	110.1	244.7	440.4	479.5	415.9	264.2	173.7	70.9
87.5°	19.6	19.6	31.8	51.4	124.8	124.8	122.3	149.2	159.0	105.2	31.8
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°	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9	711.9
2.5°	711.9	709.5	709.5	699.7	697.3	689.9	689.9	685.0	682.6	689.9	689.9
5°	714.4	702.2	699.7	689.9	692.4	687.5	697.3	692.4	689.9	689.9	687.5
7.5°	719.3	707.0	697.3	689.9	687.5	694.8	707.0	707.0	721.7	714.4	714.4
10°	731.5	724.2	711.9	707.0	707.0	714.4	729.1	738.8	751.1	751.1	743.7
12.5°	760.9	748.6	734.0	726.6	736.4	743.7	758.4	768.2	782.9	787.8	782.9
15°	782.9	770.7	765.8	760.9	768.2	778.0	790.2	800.0	817.1	822.0	819.6
17.5°	812.2	797.6	795.1	797.6	802.5	809.8	817.1	824.5	836.7	836.7	836.7
20°	826.9	822.0	819.6	826.9	836.7	846.5	841.6	836.7	834.3	839.2	836.7
22.5°	853.8	848.9	851.4	858.7	858.7	853.8	846.5	829.4	824.5	829.4	824.5
25°	878.3	873.4	873.4	868.5	866.1	848.9	834.3	819.6	802.5	809.8	807.4
27.5°	902.8	900.3	900.3	880.7	856.3	826.9	807.4	790.2	780.4	792.7	785.3
30°	932.1	934.6	922.3	875.9	817.1	785.3	763.3	760.9	758.4	765.8	763.3
32.5°	959.0	961.5	941.9	868.5	787.8	726.6	704.6	707.0	719.3	731.5	743.7
35°	973.7	985.9	961.5	844.0	729.1	660.6	636.1	658.1	680.1	697.3	709.5
37.5°	1000.6	1032.4	990.8	817.1	677.7	601.8	584.7	592.1	619.0	645.9	658.1
40°	1039.8	1076.5	998.2	765.8	609.2	543.1	533.3	535.8	545.6	562.7	574.9
42.5°	1108.3	1147.4	1005.5	699.7	540.7	506.4	479.5	472.2	464.8	464.8	462.4
45°	1208.6	1245.3	995.7	616.5	472.2	447.7	428.1	411.0	391.4	359.6	364.5
47.5°	1355.4	1384.7	1003.1	543.1	408.6	389.0	374.3	354.7	325.4	291.1	288.7
50°	1578.0	1534.0	993.3	467.3	362.1	345.0	332.7	305.8	271.6	247.1	244.7
52.5°	1837.3	1749.3	983.5	403.7	322.9	308.3	298.5	269.1	237.3	225.1	222.6
55°	2150.5	2023.3	998.2	347.4	293.6	281.3	271.6	244.7	220.2	210.4	208.0
57.5°	2519.9	2319.3	1078.9	303.4	261.8	256.9	254.4	232.4	210.4	203.1	200.6
60°	2867.3	2603.1	1132.7	271.6	232.4	237.3	242.2	232.4	208.0	203.1	203.1
62.5°	3158.5	2838.0	1047.1	244.7	217.7	232.4	254.4	247.1	237.3	242.2	237.3
65°	3415.3	2918.7	782.9	230.0	210.4	244.7	281.3	278.9	256.9	261.8	259.3
67.5°	3459.4	2820.8	511.3	217.7	205.5	269.1	315.6	286.2	242.2	242.2	234.9
70°	3275.9	2559.1	342.5	205.5	203.1	269.1	322.9	269.1	227.5	227.5	217.7
72.5°	2688.7	2045.3	264.2	193.3	185.9	239.8	305.8	254.4	212.8	208.0	190.8
75°	1766.4	1318.7	215.3	183.5	161.5	210.4	276.5	234.9	203.1	188.4	181.0
77.5°	866.1	592.1	181.0	161.5	139.5	183.5	252.0	222.6	190.8	176.1	171.3
80°	237.3	212.8	151.7	141.9	117.4	159.0	237.3	212.8	178.6	163.9	156.6
82.5°	134.6	132.1	122.3	115.0	97.9	159.0	239.8	212.8	168.8	166.4	141.9
85°	73.4	78.3	88.1	85.6	75.8	141.9	227.5	185.9	137.0	115.0	115.0
87.5°	29.4	36.7	44.0	48.9	51.4	105.2	171.3	141.9	105.2	88.1	88.1
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)