

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: P675026

Luminaire Tested: **CCW-SA-1E-830-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675026
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-830-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

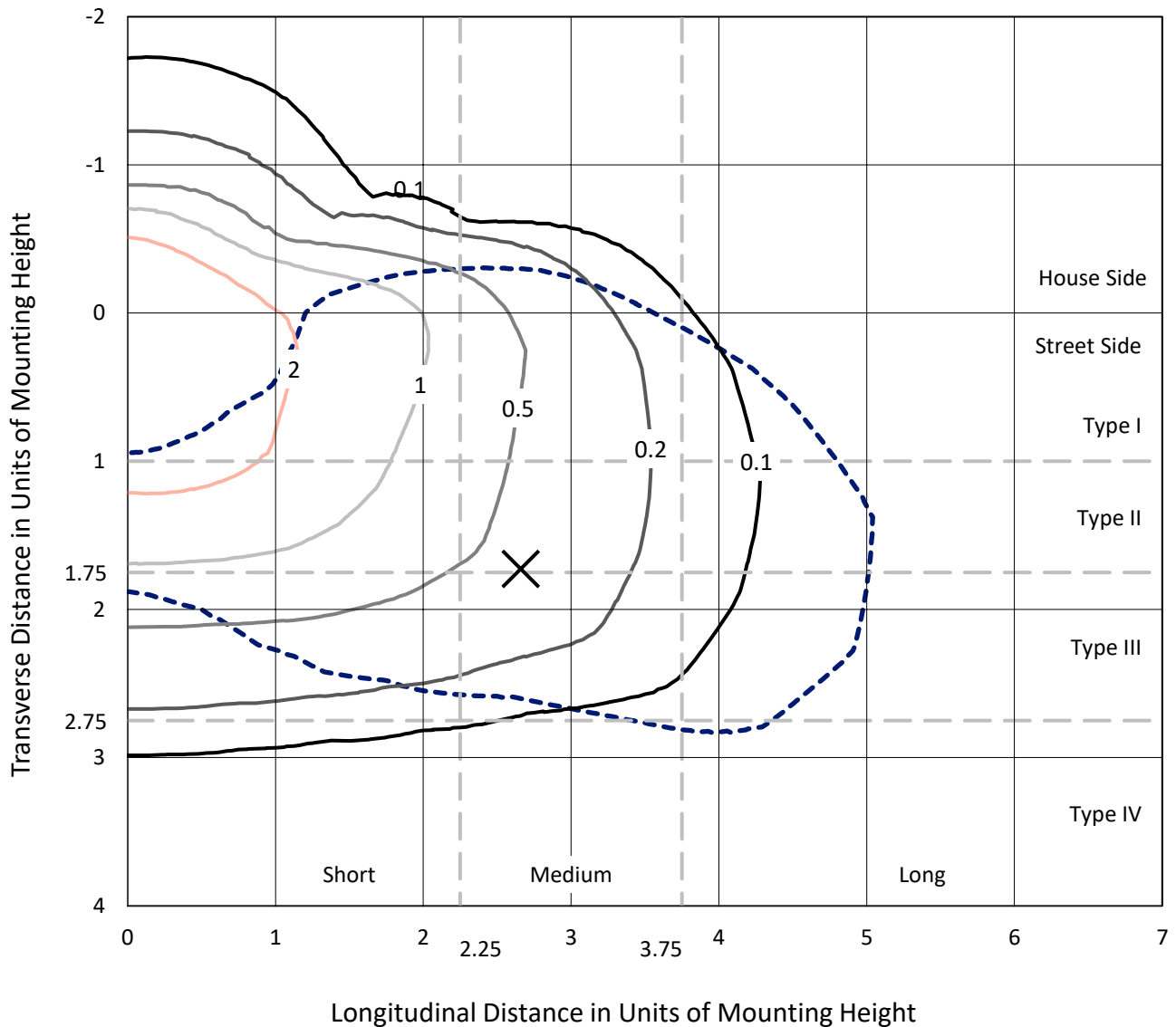
Lumens per Lamp: N/A
Luminaire Lumens: 5489.2 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

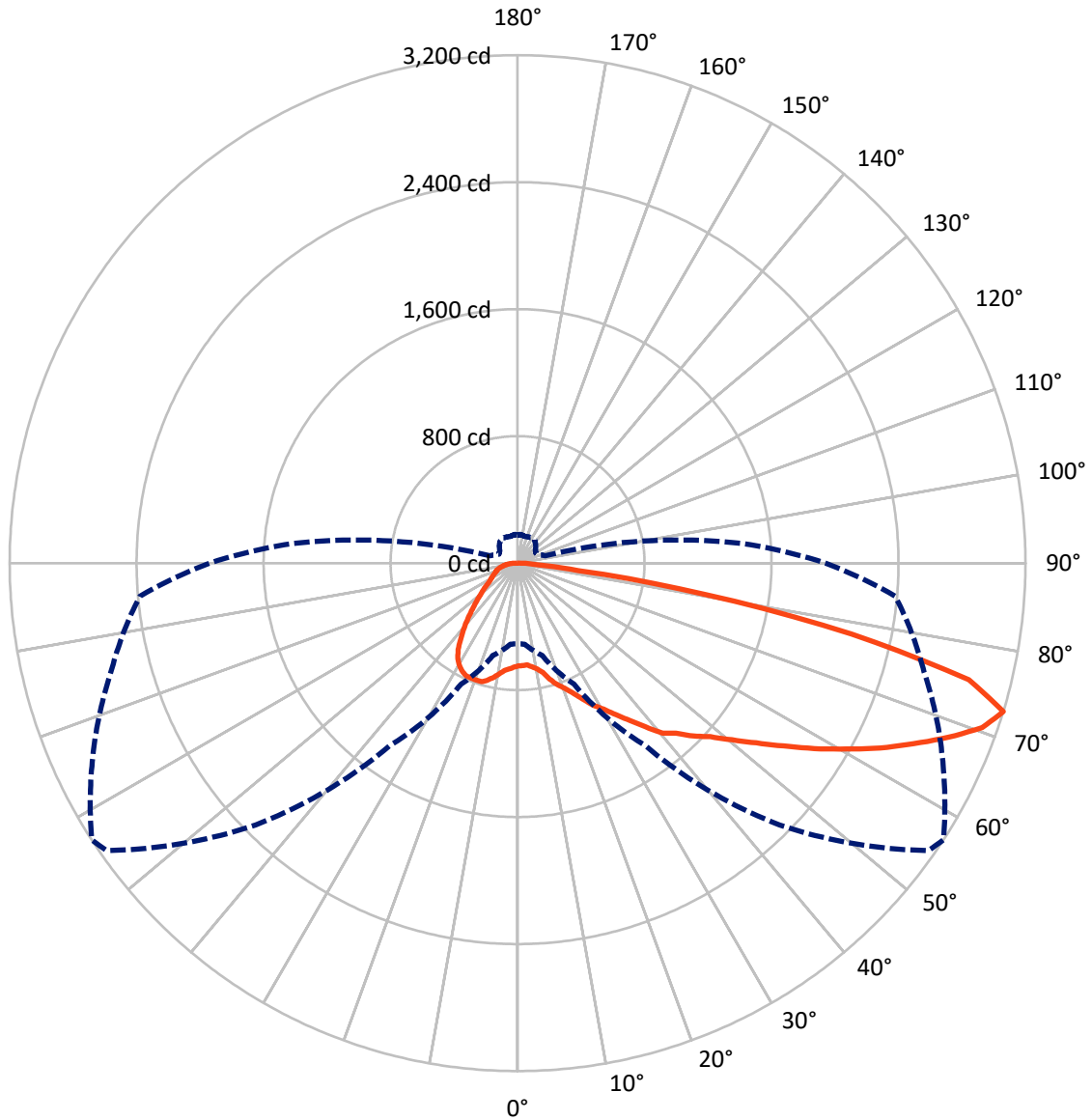
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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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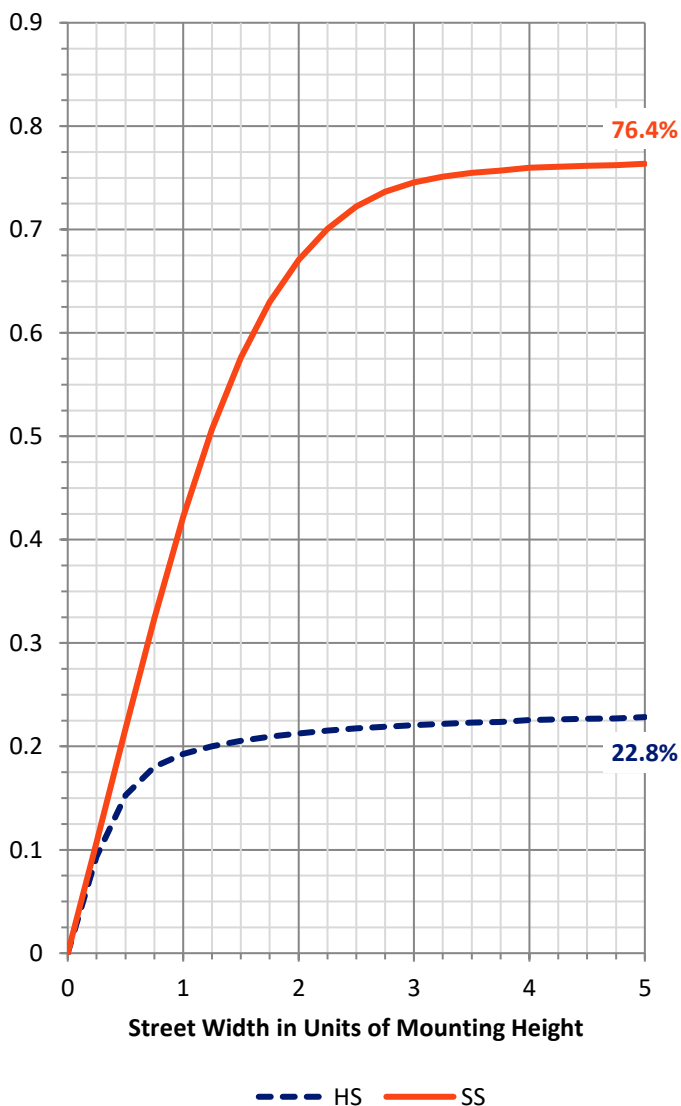
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1282.0	0.0	1282.0
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4207.2	0.0	4207.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	5489.2	0.0	5489.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.2
10°-20°	216.7	3.9
20°-30°	396.2	7.2
30°-40°	581.3	10.6
40°-50°	800.4	14.6
50°-60°	1097.5	20.0
60°-70°	1323.0	24.1
70°-80°	881.3	16.1
80°-90°	128.4	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°	5489.2	100.0
0°-180°	5489.2	100.0

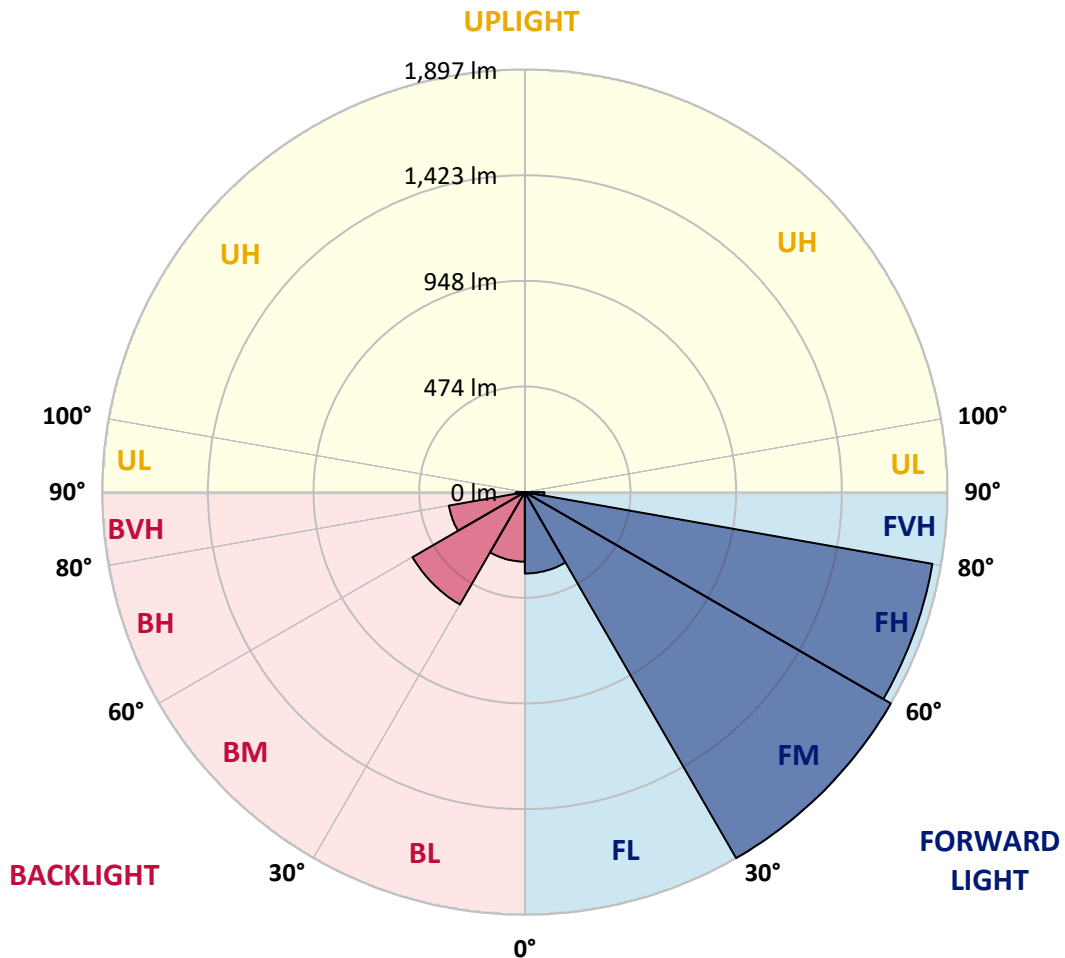


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.2	6.7			
FM (30°-60°)	1896.9	34.6			
FH (60°-80°)	1857.7	33.8			G2/5000
FVH (80°-90°)	87.4	1.6			G1/100
BL (0°-30°)	312.1	5.7	B1/500		
BM (30°-60°)	582.3	10.6	B1/1000		
BH (60°-80°)	346.6	6.3	B1/500		G1/500
BVH (80°-90°)	41.0	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°	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9
2.5°	635.9	637.9	641.9	639.9	639.9	633.9	643.9	645.9	641.9	643.9	647.9
5°	635.9	639.9	645.9	641.9	643.9	641.9	637.9	643.9	643.9	645.9	651.9
7.5°	669.9	667.9	667.9	661.9	659.9	657.9	659.9	659.9	655.9	657.9	657.9
10°	707.9	707.9	703.9	703.9	699.9	689.9	679.9	677.9	671.9	673.9	673.9
12.5°	747.9	751.9	755.9	743.9	739.9	723.9	717.9	705.9	705.9	701.9	699.9
15°	797.9	791.9	795.9	791.9	781.9	765.9	755.9	757.9	743.9	739.9	733.9
17.5°	841.9	843.9	837.9	833.9	815.9	803.9	805.9	803.9	785.9	779.9	769.9
20°	893.9	891.9	891.9	879.9	863.9	847.9	841.9	839.9	843.9	831.9	807.9
22.5°	947.8	939.8	939.8	929.8	907.8	897.8	893.9	885.9	889.9	879.9	843.9
25°	991.8	991.8	1005.8	985.8	973.8	953.8	945.8	947.8	949.8	929.8	887.9
27.5°	1049.8	1039.8	1053.8	1043.8	1037.8	1015.8	1005.8	1011.8	1007.8	985.8	927.8
30°	1123.8	1125.8	1117.8	1103.8	1095.8	1079.8	1073.8	1067.8	1073.8	1045.8	971.8
32.5°	1215.8	1221.8	1201.8	1185.8	1171.8	1155.8	1143.8	1137.8	1143.8	1101.8	1005.8
35°	1321.8	1327.8	1311.8	1293.8	1277.8	1237.8	1227.8	1217.8	1195.8	1127.8	1037.8
37.5°	1419.8	1411.8	1407.8	1407.8	1377.8	1319.8	1313.8	1307.8	1265.8	1179.8	1081.8
40°	1485.8	1495.7	1491.7	1487.8	1483.8	1429.8	1417.8	1407.8	1337.8	1257.8	1143.8
42.5°	1559.7	1553.7	1569.7	1575.7	1561.7	1545.7	1497.7	1463.8	1401.8	1337.8	1235.8
45°	1647.7	1643.7	1649.7	1671.7	1651.7	1657.7	1577.7	1553.7	1475.8	1437.8	1351.8
47.5°	1725.7	1735.7	1765.7	1771.7	1755.7	1783.7	1671.7	1633.7	1583.7	1553.7	1471.8
50°	1759.7	1771.7	1839.7	1881.7	1883.7	1927.7	1765.7	1749.7	1681.7	1693.7	1621.7
52.5°	1731.7	1769.7	1851.7	1961.7	2029.7	2073.7	1889.7	1881.7	1819.7	1857.7	1785.7
55°	1757.7	1793.7	1847.7	2001.7	2173.6	2183.6	2061.7	2031.7	1969.7	2021.7	1955.7
57.5°	1769.7	1749.7	1851.7	2045.7	2279.6	2305.6	2225.6	2203.6	2155.6	2205.6	2167.6
60°	1675.7	1699.7	1795.7	2033.7	2285.6	2435.6	2409.6	2377.6	2333.6	2379.6	2357.6
62.5°	1569.7	1585.7	1689.7	1961.7	2319.6	2529.6	2587.6	2563.6	2501.6	2541.6	2579.6
65°	1435.8	1437.8	1553.7	1833.7	2253.6	2583.6	2743.5	2741.5	2697.5	2687.5	2747.5
67.5°	1271.8	1287.8	1379.8	1697.7	2163.6	2643.6	2897.5	2927.5	2839.5	2761.5	2783.5
70°	975.8	991.8	1079.8	1391.8	1979.7	2625.6	3087.5	3103.5	2931.5	2733.5	2677.6
72.5°	507.9	511.9	601.9	839.9	1403.8	2331.6	3157.5	3199.5	2955.5	2651.6	2387.6
75°	168.0	168.0	206.0	319.9	661.9	1491.7	2859.5	2935.5	2837.5	2447.6	1953.7
77.5°	100.0	102.0	122.0	160.0	264.0	595.9	2015.7	2149.6	2321.6	2081.7	1427.8
80°	72.0	74.0	92.0	110.0	158.0	192.0	1011.8	1197.8	1425.8	1339.8	761.9
82.5°	54.0	54.0	72.0	82.0	108.0	114.0	282.0	385.9	615.9	479.9	210.0
85°	56.0	56.0	56.0	58.0	74.0	66.0	118.0	126.0	180.0	158.0	58.0
87.5°	20.0	22.0	56.0	38.0	38.0	28.0	46.0	50.0	64.0	66.0	22.0
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°	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9	647.9
2.5°	649.9	649.9	651.9	651.9	655.9	659.9	665.9	661.9	661.9	663.9	661.9
5°	647.9	649.9	655.9	665.9	669.9	671.9	683.9	683.9	683.9	687.9	687.9
7.5°	655.9	659.9	669.9	679.9	681.9	687.9	703.9	707.9	717.9	721.9	723.9
10°	675.9	681.9	689.9	701.9	709.9	717.9	729.9	743.9	741.9	753.9	755.9
12.5°	705.9	703.9	717.9	729.9	737.9	749.9	753.9	753.9	753.9	753.9	757.9
15°	729.9	733.9	745.9	753.9	763.9	761.9	753.9	745.9	747.9	745.9	745.9
17.5°	765.9	765.9	775.9	777.9	781.9	761.9	749.9	749.9	755.9	755.9	751.9
20°	801.9	799.9	803.9	801.9	775.9	751.9	749.9	751.9	753.9	751.9	749.9
22.5°	835.9	831.9	825.9	817.9	771.9	749.9	745.9	735.9	725.9	725.9	719.9
25°	865.9	861.9	845.9	821.9	769.9	737.9	717.9	693.9	681.9	675.9	683.9
27.5°	893.9	885.9	863.9	821.9	751.9	705.9	667.9	637.9	627.9	619.9	627.9
30°	931.8	917.8	887.9	815.9	723.9	655.9	603.9	567.9	557.9	545.9	549.9
32.5°	965.8	933.8	907.8	797.9	687.9	599.9	539.9	503.9	485.9	475.9	483.9
35°	1001.8	969.8	915.8	769.9	631.9	531.9	471.9	437.9	423.9	409.9	409.9
37.5°	1037.8	1019.8	927.8	717.9	563.9	467.9	413.9	387.9	363.9	337.9	337.9
40°	1113.8	1089.8	941.8	657.9	495.9	405.9	367.9	333.9	309.9	274.0	272.0
42.5°	1193.8	1141.8	941.8	585.9	435.9	361.9	325.9	290.0	246.0	224.0	226.0
45°	1295.8	1235.8	915.8	521.9	375.9	325.9	286.0	240.0	220.0	206.0	206.0
47.5°	1423.8	1329.8	883.9	451.9	327.9	294.0	244.0	216.0	202.0	190.0	188.0
50°	1575.7	1415.8	843.9	391.9	288.0	264.0	222.0	200.0	188.0	180.0	180.0
52.5°	1735.7	1541.7	815.9	337.9	256.0	224.0	206.0	192.0	182.0	176.0	174.0
55°	1897.7	1667.7	795.9	280.0	226.0	206.0	202.0	190.0	186.0	180.0	176.0
57.5°	2079.7	1771.7	791.9	240.0	202.0	198.0	206.0	196.0	190.0	184.0	178.0
60°	2275.6	1911.7	755.9	208.0	190.0	194.0	200.0	190.0	186.0	180.0	176.0
62.5°	2469.6	2015.7	657.9	184.0	178.0	182.0	190.0	182.0	176.0	178.0	180.0
65°	2549.6	2023.7	509.9	166.0	164.0	166.0	178.0	176.0	170.0	182.0	182.0
67.5°	2469.6	1951.7	359.9	150.0	150.0	160.0	180.0	184.0	178.0	194.0	192.0
70°	2287.6	1773.7	244.0	140.0	144.0	170.0	186.0	182.0	174.0	194.0	190.0
72.5°	1941.7	1419.8	178.0	130.0	136.0	162.0	184.0	180.0	174.0	182.0	174.0
75°	1457.8	1009.8	140.0	118.0	120.0	146.0	190.0	180.0	164.0	160.0	154.0
77.5°	973.8	623.9	108.0	104.0	104.0	128.0	182.0	168.0	148.0	142.0	140.0
80°	463.9	250.0	86.0	88.0	90.0	110.0	166.0	150.0	134.0	126.0	126.0
82.5°	148.0	94.0	72.0	72.0	72.0	90.0	138.0	126.0	116.0	110.0	100.0
85°	52.0	52.0	62.0	64.0	58.0	66.0	114.0	108.0	96.0	80.0	78.0
87.5°	20.0	30.0	42.0	50.0	36.0	46.0	82.0	76.0	70.0	52.0	50.0
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)