

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: P676405

Luminaire Tested: **CCW-SA-2D-730-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676405
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-730-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

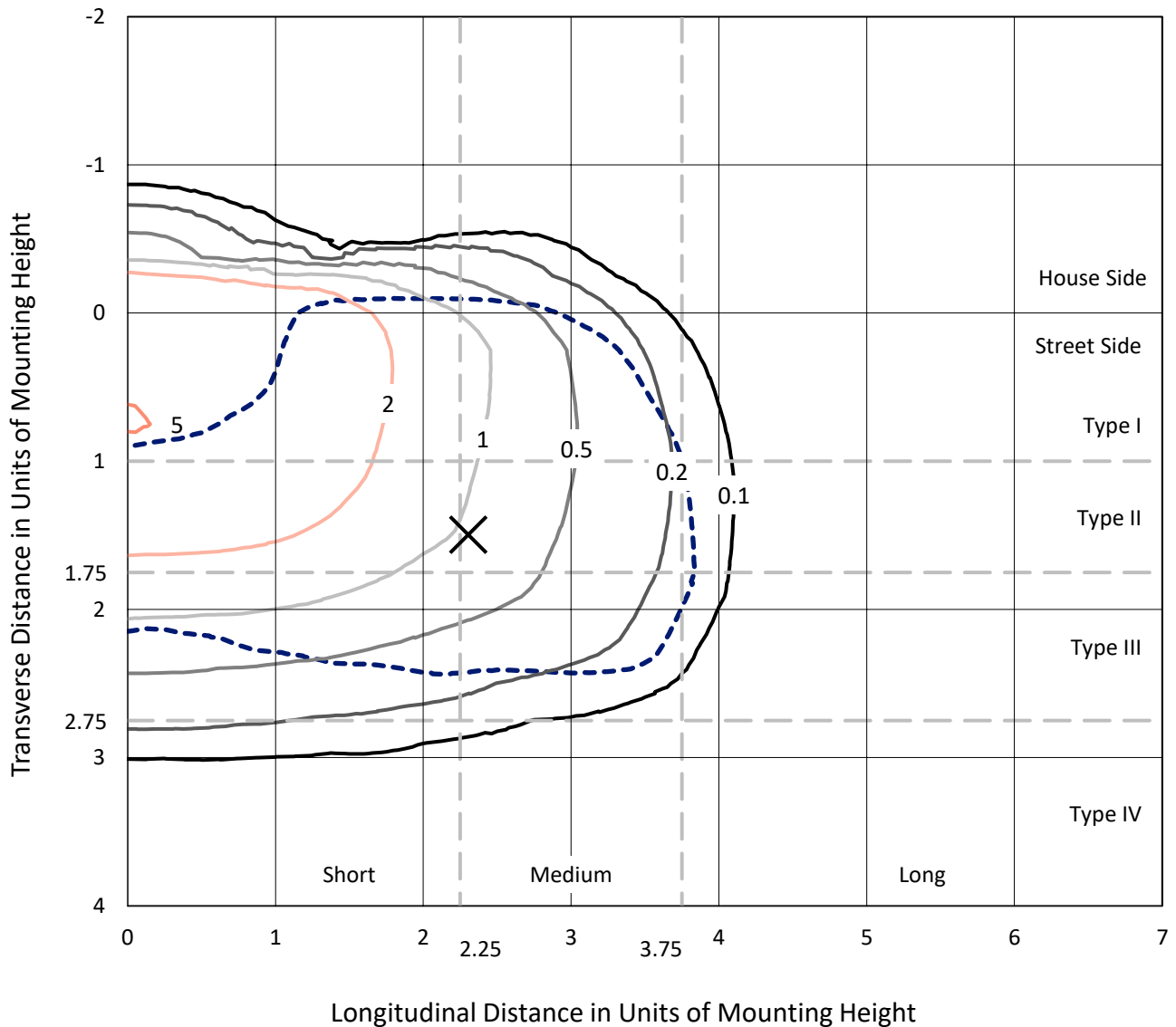
Lumens per Lamp: N/A
Luminaire Lumens: 7316.3 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

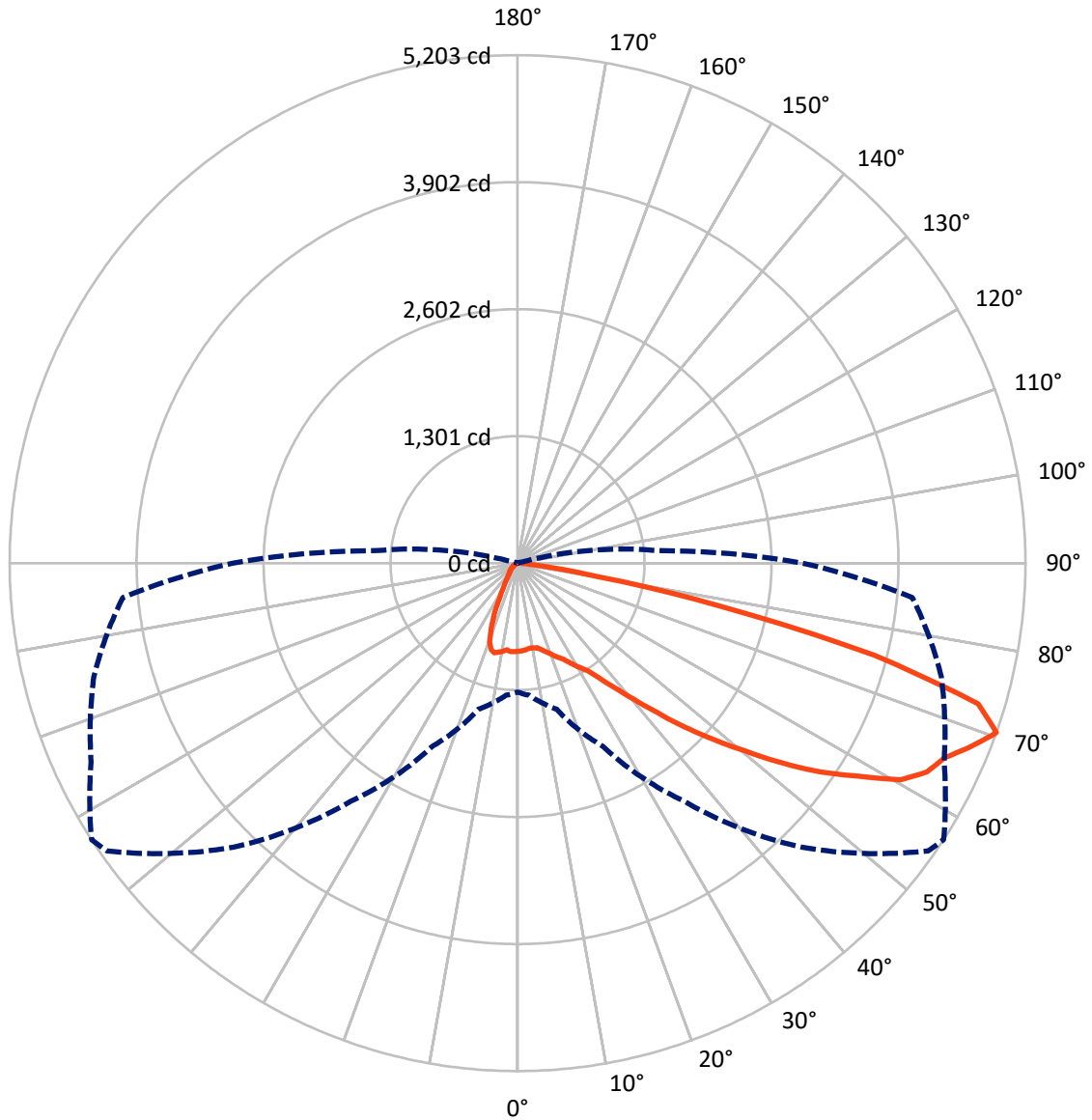
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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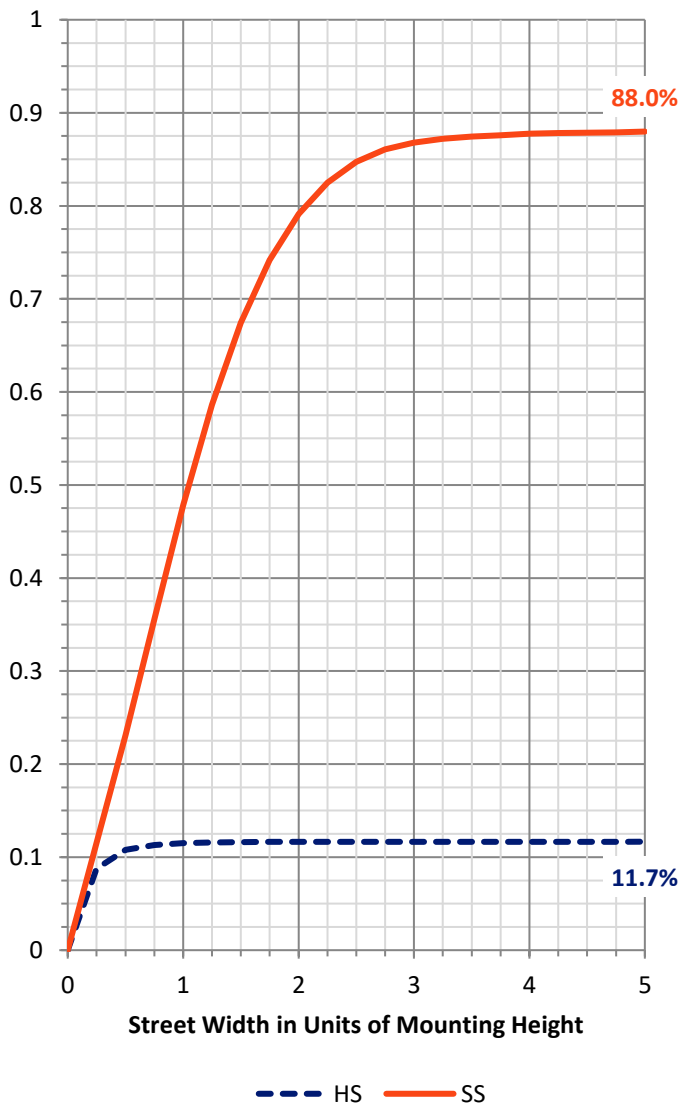
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.4	0.0	862.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6453.9	0.0	6453.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	7316.3	0.0	7316.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	1.2
10°-20°	235.9	3.2
20°-30°	397.3	5.4
30°-40°	680.0	9.3
40°-50°	1141.7	15.6
50°-60°	1752.5	24.0
60°-70°	2023.4	27.7
70°-80°	955.8	13.1
80°-90°	45.3	0.6
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°	7316.3	100.0
0°-180°	7316.3	100.0

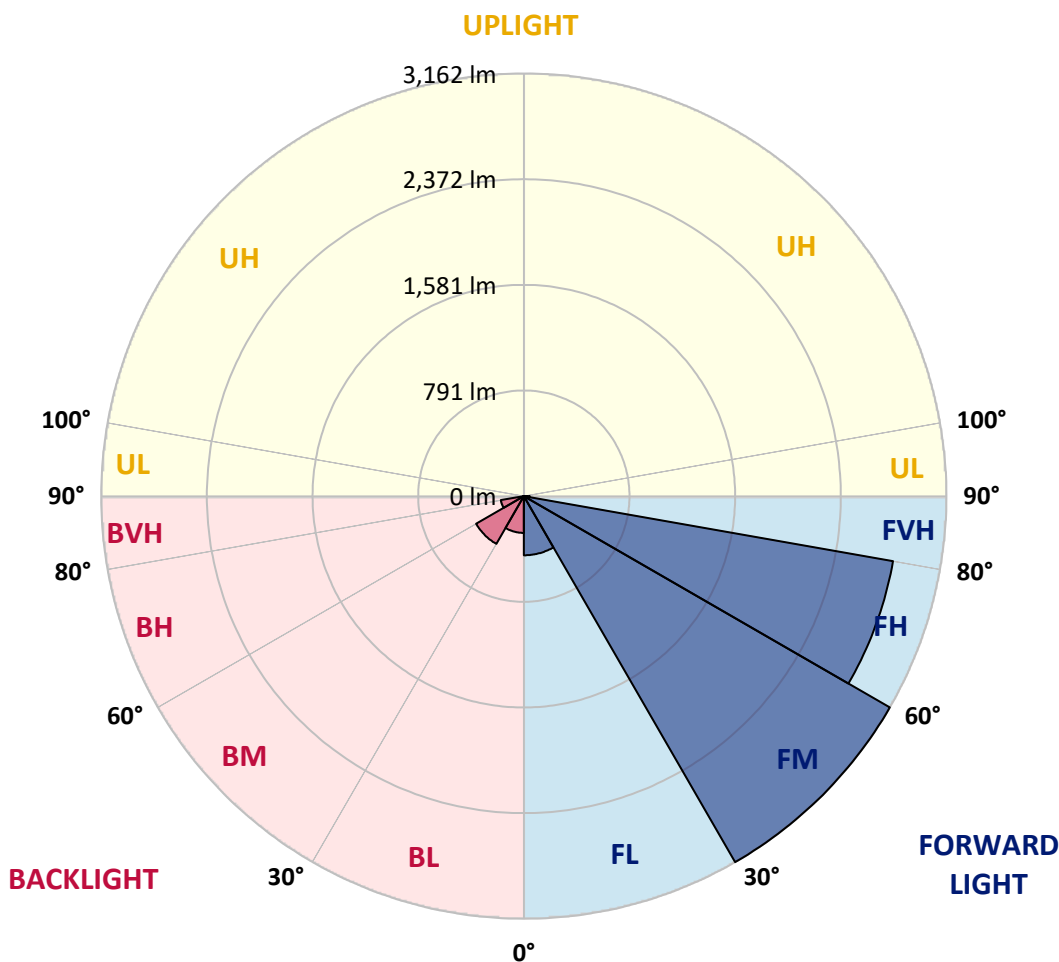


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.6	6.0			
FM (30°-60°)	3162.0	43.2			
FH (60°-80°)	2804.8	38.3			G2/5000
FVH (80°-90°)	44.5	0.6			G1/100
BL (0°-30°)	274.9	3.8	B1/500		
BM (30°-60°)	412.2	5.6	B1/1000		
BH (60°-80°)	174.4	2.4	B1/500		G1/500
BVH (80°-90°)	0.8	0.0			G0/10
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°	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7
2.5°	889.7	884.0	889.7	897.1	889.7	895.3	893.4	899.0	891.5	891.5	897.1
5°	831.7	841.1	844.8	854.1	863.5	880.3	891.5	891.5	902.7	908.3	915.8
7.5°	811.2	796.2	811.2	818.6	828.0	856.0	872.8	880.3	895.3	915.8	927.0
10°	781.2	792.5	792.5	816.8	829.8	846.7	876.6	882.2	915.8	936.4	947.6
12.5°	779.4	779.4	788.7	805.5	831.7	863.5	900.9	889.7	925.2	962.5	981.2
15°	785.0	798.1	798.1	820.5	841.1	885.9	917.7	919.6	970.0	1007.4	1024.2
17.5°	809.3	803.7	811.2	824.2	856.0	899.0	951.3	956.9	1014.9	1065.3	1089.6
20°	859.7	869.1	857.9	850.4	863.5	919.6	986.8	998.1	1063.5	1112.1	1136.4
22.5°	1048.5	1041.0	996.2	943.9	921.4	947.6	1020.5	1046.7	1123.3	1181.2	1201.8
25°	1261.6	1248.5	1196.2	1117.7	1014.9	1003.7	1087.8	1087.8	1198.0	1261.6	1256.0
27.5°	1463.4	1459.7	1398.0	1315.8	1170.0	1089.6	1142.0	1162.5	1282.1	1334.5	1310.2
30°	1669.0	1672.8	1616.7	1517.6	1364.4	1227.9	1218.6	1235.4	1345.7	1427.9	1377.5
32.5°	1908.3	1874.6	1835.4	1698.9	1558.8	1405.5	1317.7	1310.2	1416.7	1491.5	1424.2
35°	2121.3	2100.8	2057.8	1934.4	1773.7	1590.5	1467.2	1448.5	1506.4	1605.5	1532.6
37.5°	2308.2	2287.7	2231.6	2149.4	2024.1	1820.4	1646.6	1618.6	1642.9	1747.5	1659.7
40°	2469.0	2474.6	2459.6	2379.3	2263.4	2078.3	1878.4	1833.5	1812.9	1906.4	1807.3
42.5°	2584.9	2639.1	2642.8	2543.7	2450.3	2349.4	2125.1	2089.6	2041.0	2119.5	2050.3
45°	2827.8	2797.9	2816.6	2781.1	2678.3	2663.4	2409.2	2388.6	2321.3	2347.5	2274.6
47.5°	3018.5	3012.9	3048.4	2990.4	2962.4	2964.3	2732.5	2697.0	2601.7	2650.3	2568.0
50°	3128.7	3098.8	3227.8	3272.7	3267.0	3289.5	3059.6	3029.7	2938.1	3009.1	2833.4
52.5°	3154.9	3209.1	3330.6	3493.2	3562.3	3609.1	3416.6	3405.4	3306.3	3351.1	3108.2
55°	3220.3	3272.7	3343.7	3610.9	3867.0	3878.2	3767.9	3779.2	3691.3	3680.1	3369.8
57.5°	3218.4	3207.2	3403.5	3713.7	4068.9	4229.6	4169.8	4115.6	4020.3	3910.0	3538.1
60°	3100.7	3095.1	3298.8	3726.8	4179.1	4547.3	4571.6	4508.1	4268.8	4106.2	3736.2
62.5°	2867.1	2889.5	3095.1	3614.7	4283.8	4661.3	4751.0	4708.1	4410.9	4237.1	3969.8
65°	2599.8	2553.1	2792.3	3334.3	4048.3	4627.7	4822.1	4807.1	4579.1	4379.1	4184.7
67.5°	2085.8	2106.4	2289.5	2868.9	3646.5	4504.3	4988.4	5010.8	4713.7	4504.3	4250.1
70°	1321.4	1358.8	1549.4	2072.7	2977.3	4115.6	5137.9	5203.3	4820.2	4493.1	4059.5
72.5°	385.0	400.0	659.8	1033.6	1897.1	3300.7	4898.7	4932.3	4612.7	4078.2	3140.0
75°	127.1	134.6	194.4	336.4	743.9	1706.4	3618.4	3777.3	3670.8	2956.8	1796.1
77.5°	84.1	87.8	106.5	160.7	282.2	534.5	1940.0	2110.1	2069.0	1384.9	579.4
80°	61.7	63.5	78.5	108.4	171.9	192.5	715.8	828.0	799.9	317.7	115.9
82.5°	39.2	39.2	57.9	76.6	108.4	95.3	207.5	229.9	224.3	121.5	44.9
85°	26.2	28.0	43.0	59.8	59.8	44.9	59.8	69.2	74.8	65.4	20.6
87.5°	7.5	9.3	24.3	41.1	24.3	22.4	20.6	22.4	26.2	35.5	11.2
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°	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7
2.5°	902.7	910.2	908.3	912.1	906.5	900.9	906.5	906.5	906.5	900.9	897.1
5°	910.2	906.5	910.2	902.7	910.2	902.7	899.0	887.8	885.9	885.9	893.4
7.5°	921.4	925.2	908.3	908.3	891.5	895.3	885.9	887.8	884.0	878.4	874.7
10°	938.2	953.2	936.4	930.8	912.1	897.1	874.7	863.5	863.5	856.0	863.5
12.5°	985.0	979.4	970.0	951.3	928.9	899.0	844.8	790.6	745.7	712.1	728.9
15°	1022.4	1020.5	1007.4	971.9	942.0	850.4	714.0	573.8	499.0	465.4	459.8
17.5°	1080.3	1074.7	1052.3	1005.5	906.5	704.6	489.7	371.9	299.0	282.2	276.6
20°	1134.5	1132.6	1084.0	1024.2	816.8	514.0	319.6	244.8	224.3	226.2	222.4
22.5°	1192.4	1183.1	1125.1	1001.8	650.4	342.0	228.0	218.7	211.2	209.3	213.1
25°	1257.8	1224.2	1166.3	951.3	478.5	235.5	214.9	207.5	200.0	198.1	198.1
27.5°	1284.0	1261.6	1185.0	829.8	302.8	205.6	201.9	192.5	183.2	177.6	175.7
30°	1343.8	1306.4	1203.6	652.3	214.9	188.8	183.2	171.9	158.9	149.5	149.5
32.5°	1403.6	1358.8	1205.5	456.0	179.4	170.1	160.7	145.8	129.0	119.6	121.5
35°	1478.4	1416.7	1185.0	295.3	160.7	149.5	130.8	114.0	99.1	91.6	91.6
37.5°	1605.5	1547.5	1100.9	194.4	145.8	127.1	108.4	89.7	76.6	71.0	71.0
40°	1766.2	1691.5	985.0	153.3	129.0	108.4	86.0	69.2	61.7	56.1	56.1
42.5°	1958.7	1865.3	813.0	136.4	114.0	89.7	67.3	54.2	46.7	46.7	44.9
45°	2151.2	1998.0	637.3	125.2	100.9	74.8	52.3	43.0	39.2	37.4	37.4
47.5°	2426.0	2158.7	456.0	114.0	87.8	57.9	43.0	35.5	31.8	29.9	31.8
50°	2689.5	2310.1	323.3	102.8	72.9	46.7	35.5	31.8	28.0	26.2	26.2
52.5°	2921.3	2414.8	226.2	89.7	61.7	39.2	31.8	28.0	26.2	24.3	24.3
55°	3048.4	2379.3	155.1	76.6	50.5	33.6	28.0	24.3	22.4	20.6	20.6
57.5°	3179.2	2280.2	117.7	63.5	41.1	31.8	26.2	22.4	20.6	18.7	18.7
60°	3289.5	2207.3	91.6	50.5	33.6	26.2	22.4	18.7	16.8	15.0	13.1
62.5°	3295.1	2061.5	67.3	37.4	26.2	22.4	18.7	15.0	9.3	7.5	5.6
65°	3317.5	1908.3	48.6	28.0	18.7	16.8	13.1	7.5	3.7	0.0	0.0
67.5°	3239.0	1727.0	39.2	20.6	13.1	9.3	5.6	1.9	0.0	0.0	0.0
70°	2919.4	1457.8	29.9	15.0	9.3	5.6	1.9	0.0	0.0	0.0	0.0
72.5°	2089.6	947.6	20.6	11.2	3.7	1.9	0.0	0.0	0.0	0.0	0.0
75°	1113.9	403.7	15.0	7.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	349.5	102.8	9.3	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	76.6	28.0	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	26.2	11.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.3	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)