

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: P676699

Luminaire Tested: **CCW-SA-1E-735-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676699
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-735-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

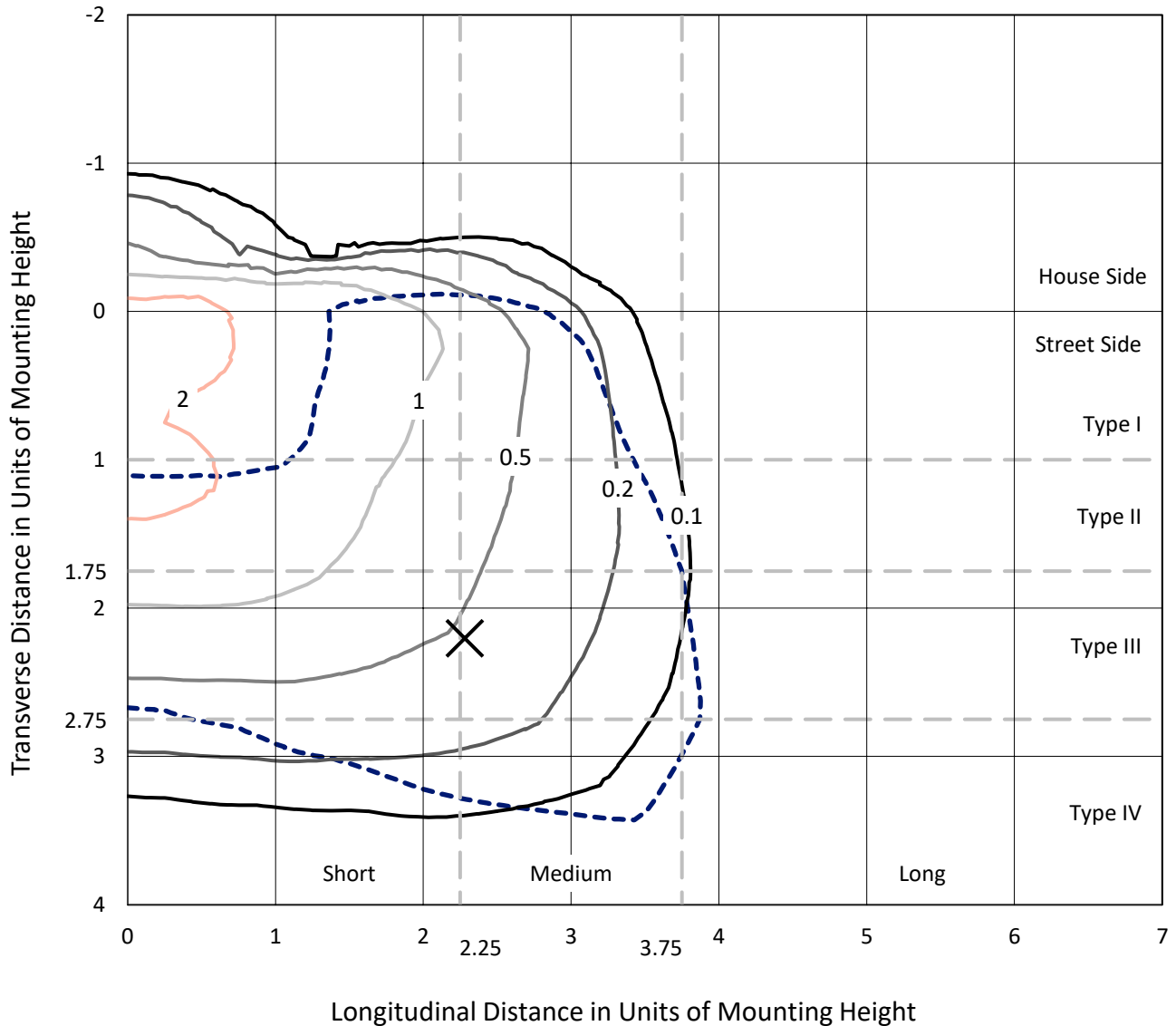
Lumens per Lamp: N/A
Luminaire Lumens: 4865.2 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

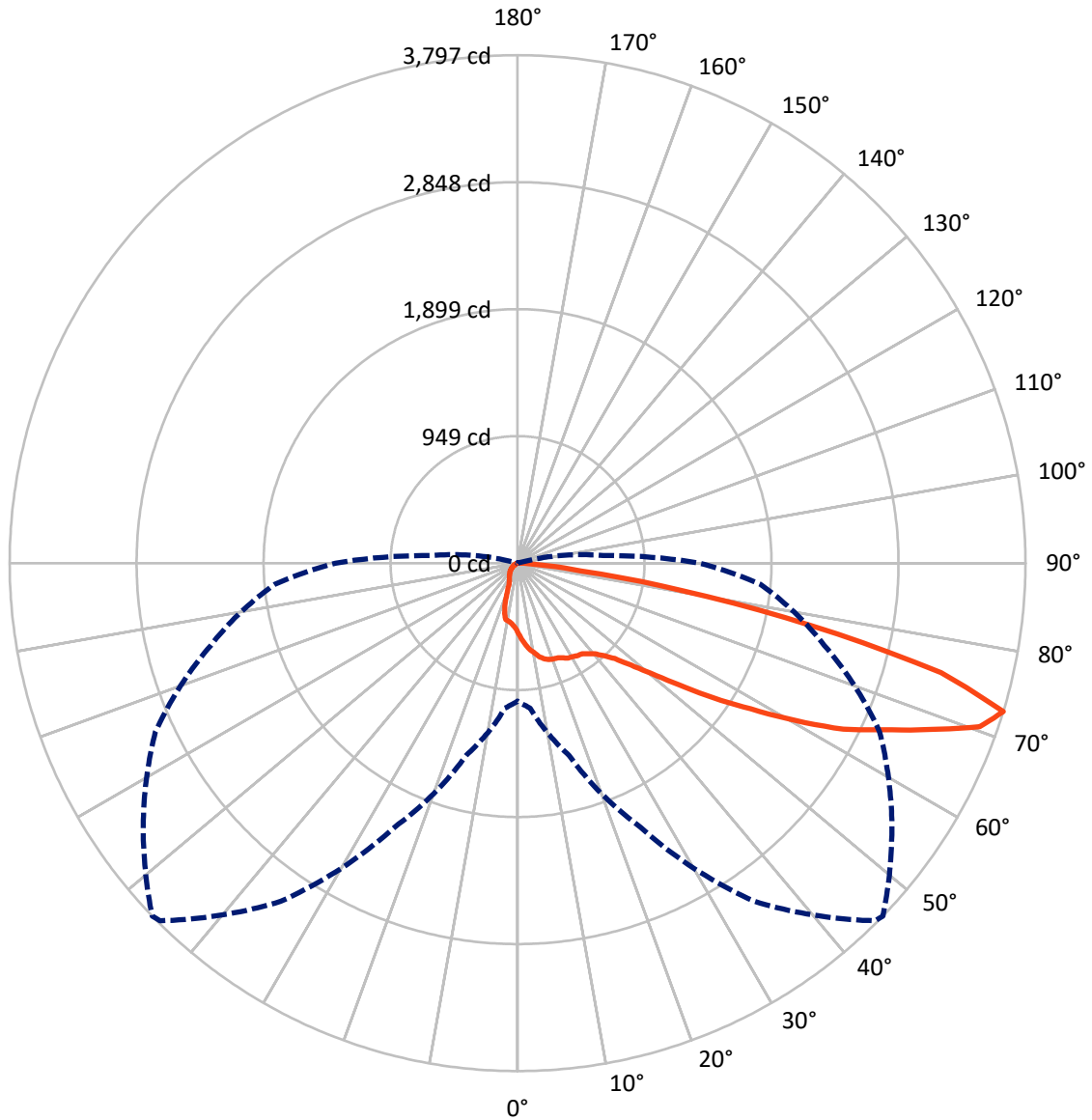
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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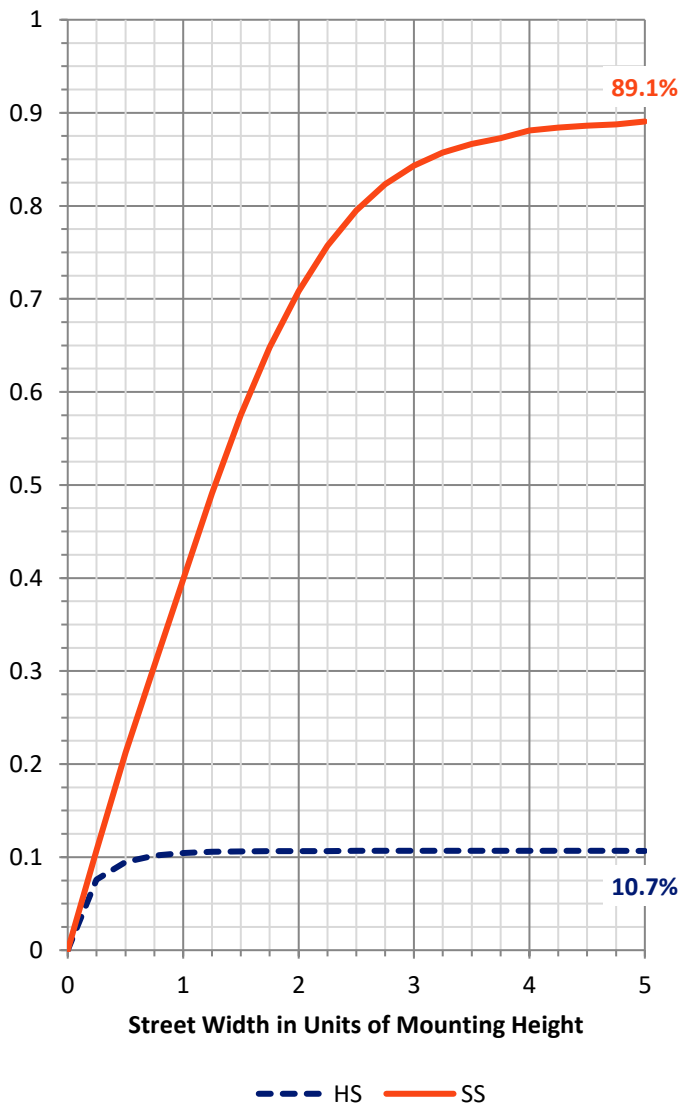
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.8	0.0	523.8
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4341.4	0.0	4341.4
	% Fixture	89.2	0.0	89.2
Total	Lumens	4865.2	0.0	4865.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	1.1
10°-20°	157.1	3.2
20°-30°	246.0	5.1
30°-40°	344.5	7.1
40°-50°	568.0	11.7
50°-60°	1021.0	21.0
60°-70°	1479.8	30.4
70°-80°	923.5	19.0
80°-90°	73.2	1.5
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°	4865.2	100.0
0°-180°	4865.2	100.0



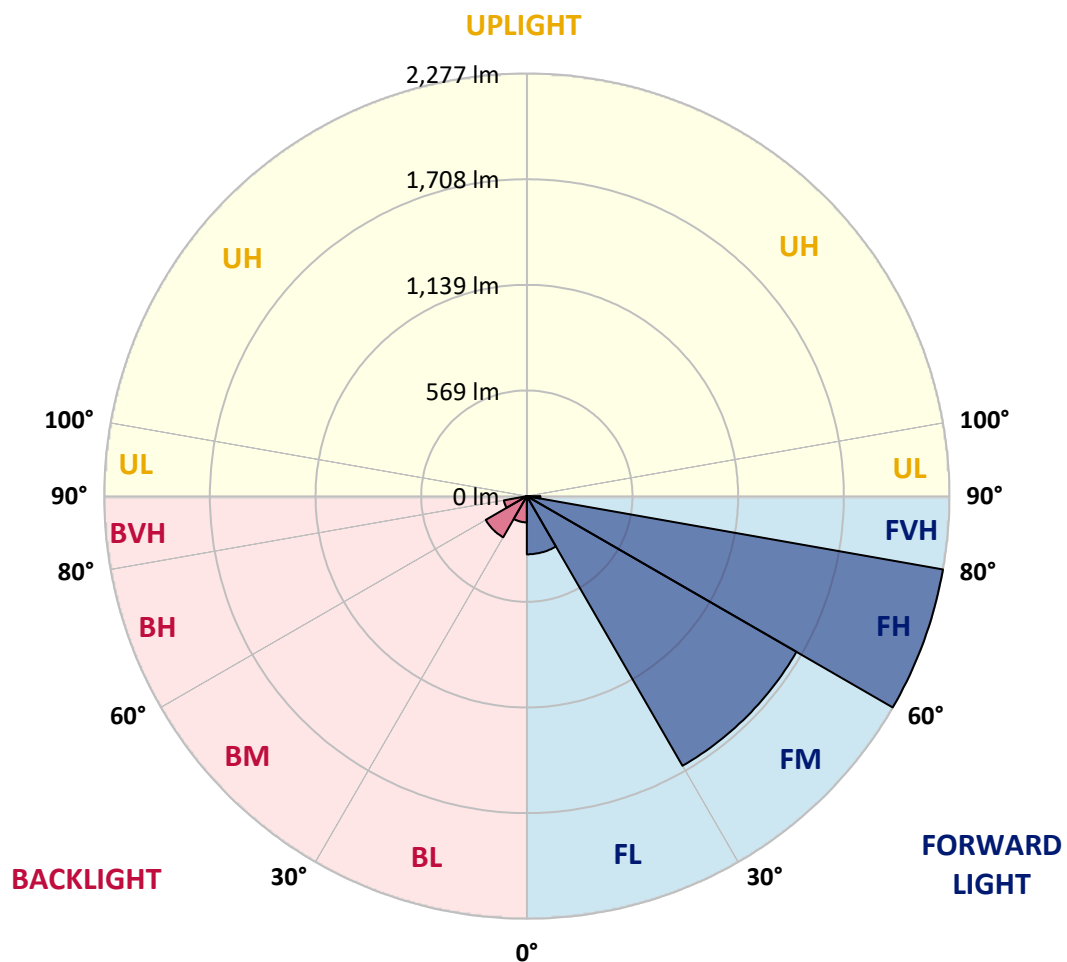
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.6	6.4			
FM (30°-60°)	1677.6	34.5			
FH (60°-80°)	2277.4	46.8			G2/5000
FVH (80°-90°)	72.8	1.5			G1/100
BL (0°-30°)	141.6	2.9	B1/500		
BM (30°-60°)	255.9	5.3	B1/1000		
BH (60°-80°)	126.0	2.6	B1/500		G1/500
BVH (80°-90°)	0.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0
2.5°	582.0	579.5	583.3	582.0	567.1	569.6	568.4	558.4	541.1	531.1	524.9
5°	649.0	655.2	650.3	639.1	630.4	613.0	610.6	594.4	567.1	549.8	531.1
7.5°	718.5	718.5	708.6	691.2	672.6	654.0	651.5	624.2	600.6	570.9	544.8
10°	770.7	764.4	757.0	738.4	717.3	692.5	680.1	660.2	634.1	598.2	564.6
12.5°	816.6	806.6	794.2	766.9	742.1	714.8	717.3	685.0	667.6	635.4	585.7
15°	842.6	833.9	822.8	798.0	759.5	747.1	742.1	722.3	691.2	659.0	611.8
17.5°	848.8	842.6	827.7	795.5	774.4	759.5	758.2	734.7	721.0	693.7	641.6
20°	836.4	825.3	814.1	793.0	773.1	768.2	764.4	764.4	747.1	711.1	660.2
22.5°	815.3	802.9	796.7	784.3	768.2	766.9	769.4	766.9	753.3	729.7	680.1
25°	799.2	793.0	783.1	779.3	769.4	788.0	784.3	780.6	776.9	749.6	711.1
27.5°	804.2	802.9	795.5	780.6	773.1	793.0	804.2	805.4	804.2	776.9	739.6
30°	806.6	800.4	793.0	789.3	791.7	811.6	811.6	838.9	827.7	800.4	768.2
32.5°	835.2	831.5	806.6	798.0	799.2	822.8	824.0	851.3	847.6	829.0	793.0
35°	896.0	871.2	835.2	810.4	810.4	841.4	831.5	871.2	881.1	851.3	810.4
37.5°	986.6	968.0	903.4	847.6	826.5	848.8	858.8	881.1	910.9	884.8	845.1
40°	1166.5	1162.8	1071.0	950.6	867.4	887.3	891.0	925.8	945.6	909.6	898.5
42.5°	1429.6	1411.0	1325.4	1135.5	941.9	933.2	946.9	969.2	1016.4	986.6	959.3
45°	1686.5	1677.8	1592.2	1380.0	1077.2	1025.1	1017.6	1057.3	1126.8	1094.5	1073.5
47.5°	1872.6	1855.3	1806.9	1628.2	1275.7	1133.0	1138.0	1177.7	1265.8	1241.0	1247.2
50°	2015.4	2006.7	1955.8	1857.8	1526.4	1303.0	1293.1	1332.8	1451.9	1468.1	1485.5
52.5°	2171.7	2187.9	2119.6	2036.5	1823.0	1531.4	1509.0	1522.7	1676.6	1713.8	1762.2
55°	2321.9	2347.9	2279.7	2268.5	2133.2	1784.5	1780.8	1748.5	1947.1	1952.1	1978.1
57.5°	2419.9	2411.2	2406.3	2467.1	2443.5	2074.9	2056.3	2024.0	2204.0	2171.7	2249.9
60°	2427.4	2452.2	2535.3	2685.5	2727.7	2416.2	2388.9	2300.8	2426.1	2349.2	2498.1
62.5°	2483.2	2503.1	2656.9	2864.2	2918.8	2716.5	2735.1	2511.7	2616.0	2555.2	2773.6
65°	2341.7	2403.8	2712.8	3003.2	3169.5	3020.6	3001.9	2783.5	2810.8	2753.7	3045.4
67.5°	2213.9	2237.5	2560.1	3045.4	3368.0	3325.8	3318.4	3024.3	3011.9	2906.4	3122.3
70°	1799.4	1828.0	2146.9	2829.4	3435.0	3682.0	3664.6	3361.8	3148.4	2823.2	2727.7
72.5°	1031.3	1088.3	1487.9	2179.2	3086.3	3781.3	3797.4	3416.4	2987.0	2374.0	1821.8
75°	337.5	353.7	618.0	1234.8	2308.2	3298.5	3270.0	2936.2	2410.0	1567.4	822.8
77.5°	114.2	116.7	182.4	446.8	1279.5	2228.8	2244.9	2098.5	1480.5	651.5	227.1
80°	58.3	62.0	89.4	167.5	526.2	1213.7	1239.7	1196.3	620.5	192.4	54.6
82.5°	27.3	28.5	52.1	93.1	240.8	476.5	476.5	523.7	219.7	108.0	22.3
85°	9.9	9.9	27.3	53.4	101.8	158.8	160.1	161.3	115.4	80.7	9.9
87.5°	3.7	3.7	13.7	22.3	37.2	48.4	48.4	38.5	58.3	53.4	3.7
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°	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0
2.5°	522.5	515.0	508.8	500.1	488.9	482.7	484.0	476.5	476.5	472.8	471.6
5°	522.5	515.0	498.9	484.0	474.1	461.6	455.4	450.5	450.5	448.0	449.2
7.5°	526.2	515.0	492.7	472.8	456.7	444.3	434.3	433.1	430.6	424.4	429.4
10°	548.5	532.4	495.2	467.9	449.2	435.6	418.2	413.2	405.8	394.6	395.9
12.5°	567.1	546.0	512.5	475.3	451.7	429.4	389.7	346.2	327.6	307.8	309.0
15°	594.4	564.6	518.7	485.2	451.7	379.7	307.8	251.9	222.1	207.2	207.2
17.5°	609.3	584.5	536.1	491.4	415.7	309.0	218.4	170.0	165.1	167.5	167.5
20°	640.3	606.8	556.0	496.4	356.2	219.7	160.1	155.1	157.6	162.6	161.3
22.5°	660.2	626.7	570.9	474.1	275.5	157.6	150.2	147.7	150.2	156.4	156.4
25°	676.3	655.2	594.4	419.5	194.8	142.7	140.2	142.7	145.2	147.7	151.4
27.5°	716.0	680.1	610.6	348.7	140.2	132.8	135.3	136.5	136.5	140.2	141.5
30°	742.1	713.6	623.0	269.3	124.1	122.9	125.3	126.6	127.8	131.5	132.8
32.5°	766.9	757.0	606.8	182.4	116.7	114.2	112.9	114.2	119.1	122.9	121.6
35°	802.9	796.7	583.3	126.6	109.2	104.2	101.8	103.0	106.7	110.4	109.2
37.5°	846.4	852.6	526.2	110.4	101.8	95.6	90.6	90.6	91.8	95.6	96.8
40°	897.2	913.4	459.2	103.0	96.8	89.4	84.4	78.2	76.9	75.7	76.9
42.5°	990.3	1008.9	383.5	98.0	89.4	80.7	73.2	65.8	59.6	55.8	55.8
45°	1120.6	1105.7	284.2	93.1	85.6	73.2	62.0	53.4	44.7	41.0	41.0
47.5°	1300.5	1249.7	194.8	88.1	79.4	64.5	52.1	41.0	33.5	29.8	29.8
50°	1550.0	1382.5	126.6	83.1	75.7	55.8	42.2	29.8	24.8	23.6	24.8
52.5°	1785.8	1517.7	100.5	76.9	68.3	48.4	32.3	24.8	22.3	21.1	21.1
55°	2002.9	1586.0	89.4	70.7	62.0	39.7	27.3	21.1	19.9	18.6	18.6
57.5°	2186.6	1609.6	76.9	62.0	49.6	31.0	22.3	18.6	16.1	14.9	14.9
60°	2345.5	1615.8	59.6	49.6	36.0	23.6	18.6	16.1	13.7	11.2	11.2
62.5°	2472.0	1572.3	42.2	34.7	24.8	18.6	16.1	11.2	7.4	5.0	3.7
65°	2572.6	1485.5	28.5	23.6	16.1	13.7	9.9	5.0	1.2	0.0	0.0
67.5°	2454.7	1288.1	22.3	17.4	11.2	8.7	5.0	1.2	0.0	0.0	0.0
70°	2001.7	999.0	16.1	11.2	7.4	2.5	1.2	0.0	0.0	0.0	0.0
72.5°	1362.6	644.1	12.4	7.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0
75°	611.8	230.8	8.7	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	148.9	54.6	6.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.7	13.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.9	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.2	0.0	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)