

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: P676481

Luminaire Tested: **CCW-SA-2C-835-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676481
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-835-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

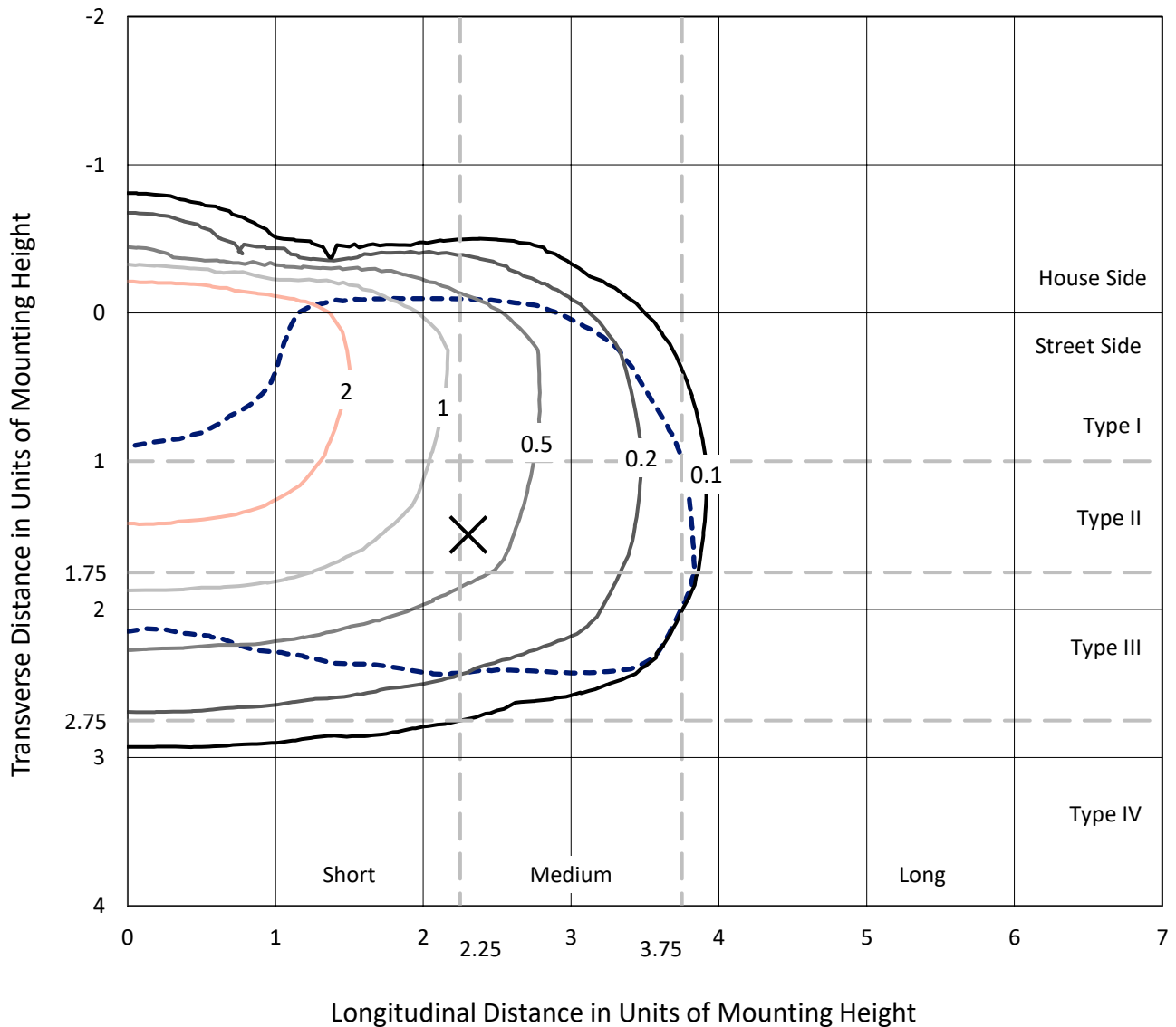
Lumens per Lamp: N/A
Luminaire Lumens: 5367.2 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

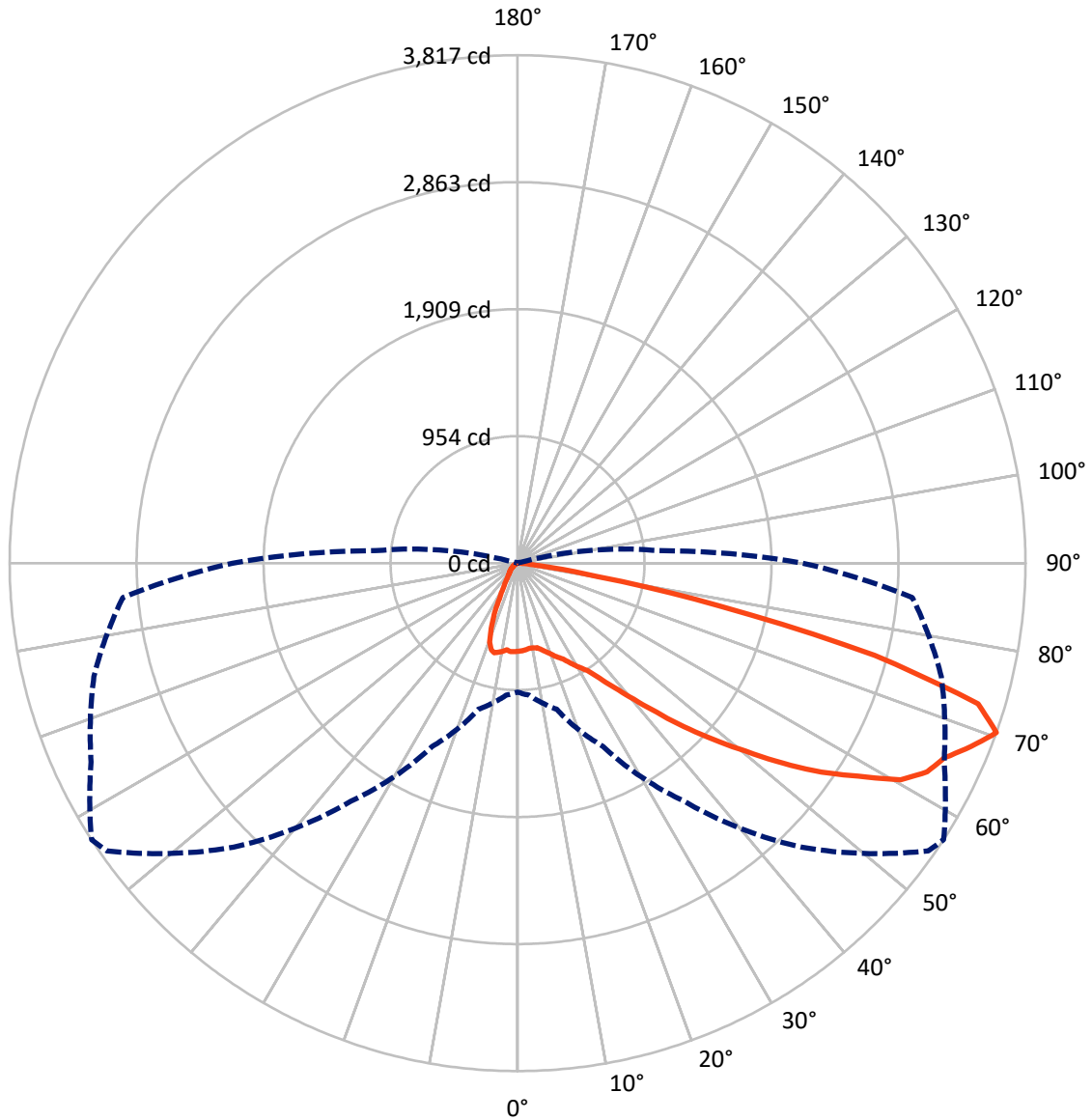
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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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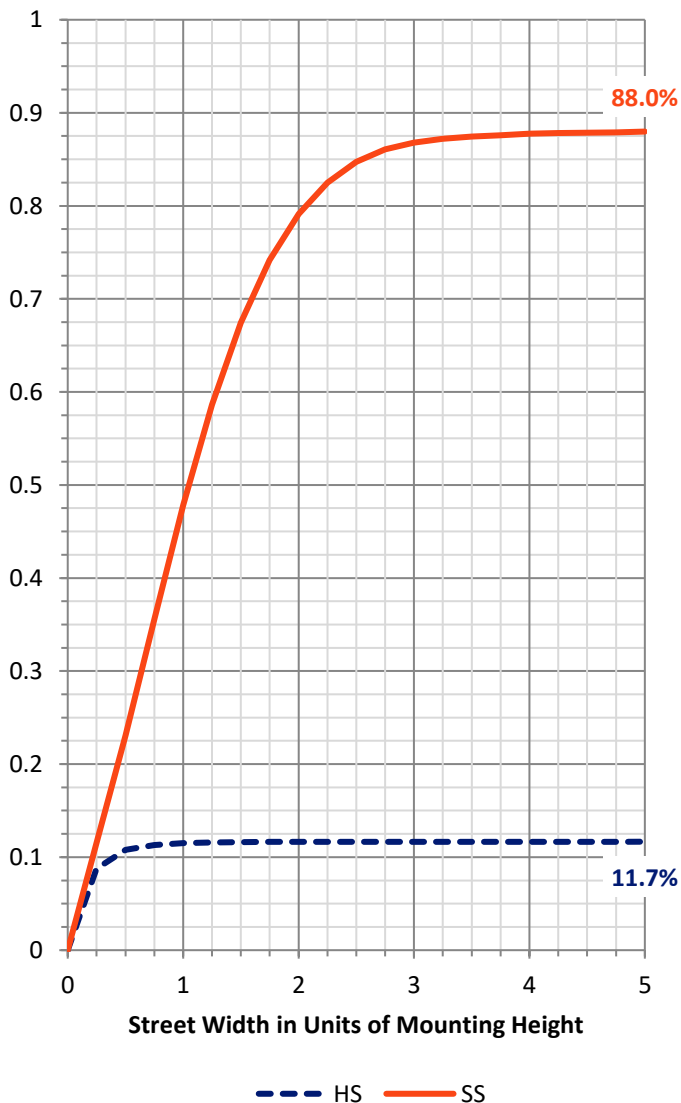
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	632.7	0.0	632.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4734.6	0.0	4734.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	5367.2	0.0	5367.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	1.2
10°-20°	173.0	3.2
20°-30°	291.5	5.4
30°-40°	498.8	9.3
40°-50°	837.6	15.6
50°-60°	1285.7	24.0
60°-70°	1484.4	27.7
70°-80°	701.2	13.1
80°-90°	33.3	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°	5367.2	100.0
0°-180°	5367.2	100.0



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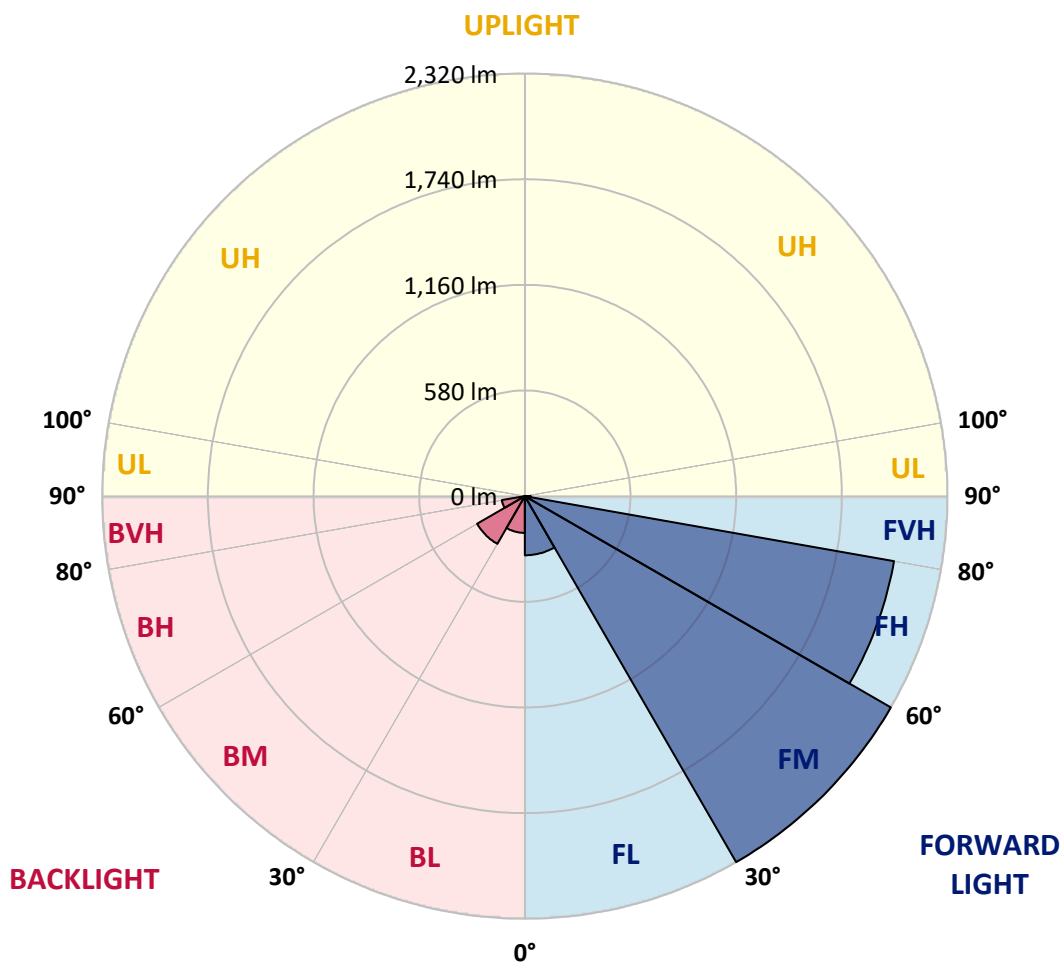
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.7	6.0			
FM (30°-60°)	2319.6	43.2			
FH (60°-80°)	2057.6	38.3			G2/5000
FVH (80°-90°)	32.7	0.6			G1/100
BL (0°-30°)	201.7	3.8	B1/500		
BM (30°-60°)	302.4	5.6	B1/1000		
BH (60°-80°)	128.0	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	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°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	652.6	648.5	652.6	658.1	652.6	656.8	655.4	659.5	654.0	654.0	658.1
5°	610.1	617.0	619.7	626.6	633.5	645.8	654.0	654.0	662.2	666.4	671.8
7.5°	595.1	584.1	595.1	600.5	607.4	628.0	640.3	645.8	656.8	671.8	680.1
10°	573.1	581.3	581.3	599.2	608.8	621.1	643.0	647.2	671.8	686.9	695.2
12.5°	571.8	571.8	578.6	590.9	610.1	633.5	660.9	652.6	678.7	706.1	719.8
15°	575.9	585.5	585.5	601.9	617.0	649.9	673.2	674.6	711.6	739.0	751.4
17.5°	593.7	589.6	595.1	604.7	628.0	659.5	697.9	702.0	744.5	781.5	799.4
20°	630.7	637.6	629.3	623.9	633.5	674.6	723.9	732.2	780.2	815.8	833.6
22.5°	769.2	763.7	730.8	692.4	676.0	695.2	748.6	767.8	824.0	866.5	881.6
25°	925.5	915.9	877.5	819.9	744.5	736.3	798.0	798.0	878.9	925.5	921.4
27.5°	1073.6	1070.8	1025.6	965.3	858.3	799.4	837.7	852.8	940.6	979.0	961.1
30°	1224.4	1227.1	1186.0	1113.3	1000.9	900.8	894.0	906.3	987.2	1047.5	1010.5
32.5°	1399.9	1375.2	1346.4	1246.3	1143.5	1031.1	966.6	961.1	1039.3	1094.1	1044.8
35°	1556.2	1541.1	1509.6	1419.1	1301.2	1166.8	1076.3	1062.6	1105.1	1177.8	1124.3
37.5°	1693.3	1678.2	1637.1	1576.8	1484.9	1335.5	1207.9	1187.4	1205.2	1282.0	1217.5
40°	1811.2	1815.3	1804.4	1745.4	1660.4	1524.7	1378.0	1345.1	1330.0	1398.5	1325.9
42.5°	1896.2	1936.0	1938.7	1866.1	1797.5	1723.5	1558.9	1532.9	1497.2	1554.8	1504.1
45°	2074.5	2052.5	2066.3	2040.2	1964.8	1953.8	1767.4	1752.3	1702.9	1722.1	1668.6
47.5°	2214.3	2210.2	2236.3	2193.8	2173.2	2174.6	2004.6	1978.5	1908.6	1944.2	1883.9
50°	2295.2	2273.3	2367.9	2400.8	2396.7	2413.1	2244.5	2222.6	2155.4	2207.5	2078.6
52.5°	2314.4	2354.2	2443.3	2562.6	2613.3	2647.6	2506.4	2498.2	2425.5	2458.4	2280.2
55°	2362.4	2400.8	2452.9	2649.0	2836.8	2845.0	2764.2	2772.4	2707.9	2699.7	2472.1
57.5°	2361.0	2352.8	2496.8	2724.4	2984.9	3102.8	3058.9	3019.2	2949.3	2868.4	2595.5
60°	2274.7	2270.6	2420.0	2734.0	3065.8	3335.9	3353.7	3307.1	3131.6	3012.3	2740.8
62.5°	2103.3	2119.7	2270.6	2651.7	3142.6	3419.5	3485.4	3453.8	3235.8	3108.3	2912.2
65°	1907.2	1872.9	2048.4	2446.1	2969.8	3394.9	3537.5	3526.5	3359.2	3212.5	3069.9
67.5°	1530.2	1545.2	1679.6	2104.6	2675.0	3304.4	3659.5	3675.9	3457.9	3304.4	3117.9
70°	969.4	996.8	1136.6	1520.6	2184.2	3019.2	3769.2	3817.2	3536.1	3296.1	2978.0
72.5°	282.4	293.4	484.0	758.2	1391.7	2421.4	3593.7	3618.4	3383.9	2991.8	2303.5
75°	93.2	98.7	142.6	246.8	545.7	1251.8	2654.5	2771.0	2692.9	2169.1	1317.6
77.5°	61.7	64.4	78.2	117.9	207.0	392.1	1423.2	1548.0	1517.8	1016.0	425.0
80°	45.2	46.6	57.6	79.5	126.1	141.2	525.1	607.4	586.8	233.1	85.0
82.5°	28.8	28.8	42.5	56.2	79.5	69.9	152.2	168.6	164.5	89.1	32.9
85°	19.2	20.6	31.5	43.9	43.9	32.9	43.9	50.7	54.8	48.0	15.1
87.5°	5.5	6.9	17.8	30.2	17.8	16.5	15.1	16.5	19.2	26.1	8.2
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°	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2	662.2
2.5°	662.2	667.7	666.4	669.1	665.0	660.9	665.0	665.0	665.0	660.9	658.1
5°	667.7	665.0	667.7	662.2	667.7	662.2	659.5	651.3	649.9	649.9	655.4
7.5°	676.0	678.7	666.4	666.4	654.0	656.8	649.9	651.3	648.5	644.4	641.7
10°	688.3	699.3	686.9	682.8	669.1	658.1	641.7	633.5	633.5	628.0	633.5
12.5°	722.6	718.5	711.6	697.9	681.4	659.5	619.7	580.0	547.1	522.4	534.7
15°	750.0	748.6	739.0	713.0	691.0	623.9	523.8	420.9	366.1	341.4	337.3
17.5°	792.5	788.4	771.9	737.7	665.0	516.9	359.2	272.9	219.4	207.0	202.9
20°	832.3	830.9	795.2	751.4	599.2	377.1	234.5	179.6	164.5	165.9	163.2
22.5°	874.8	867.9	825.4	734.9	477.1	250.9	167.3	160.4	154.9	153.6	156.3
25°	922.8	898.1	855.6	697.9	351.0	172.8	157.7	152.2	146.7	145.3	145.3
27.5°	942.0	925.5	869.3	608.8	222.1	150.8	148.1	141.2	134.4	130.3	128.9
30°	985.8	958.4	883.0	478.5	157.7	138.5	134.4	126.1	116.5	109.7	109.7
32.5°	1029.7	996.8	884.4	334.6	131.6	124.8	117.9	106.9	94.6	87.8	89.1
35°	1084.5	1039.3	869.3	216.6	117.9	109.7	96.0	83.6	72.7	67.2	67.2
37.5°	1177.8	1135.3	807.6	142.6	106.9	93.2	79.5	65.8	56.2	52.1	52.1
40°	1295.7	1240.9	722.6	112.4	94.6	79.5	63.1	50.7	45.2	41.1	41.1
42.5°	1436.9	1368.4	596.4	100.1	83.6	65.8	49.4	39.8	34.3	34.3	32.9
45°	1578.1	1465.7	467.5	91.9	74.0	54.8	38.4	31.5	28.8	27.4	27.4
47.5°	1779.7	1583.6	334.6	83.6	64.4	42.5	31.5	26.1	23.3	21.9	23.3
50°	1973.0	1694.7	237.2	75.4	53.5	34.3	26.1	23.3	20.6	19.2	19.2
52.5°	2143.0	1771.5	165.9	65.8	45.2	28.8	23.3	20.6	19.2	17.8	17.8
55°	2236.3	1745.4	113.8	56.2	37.0	24.7	20.6	17.8	16.5	15.1	15.1
57.5°	2332.3	1672.8	86.4	46.6	30.2	23.3	19.2	16.5	15.1	13.7	13.7
60°	2413.1	1619.3	67.2	37.0	24.7	19.2	16.5	13.7	12.3	11.0	9.6
62.5°	2417.3	1512.3	49.4	27.4	19.2	16.5	13.7	11.0	6.9	5.5	4.1
65°	2433.7	1399.9	35.6	20.6	13.7	12.3	9.6	5.5	2.7	0.0	0.0
67.5°	2376.1	1266.9	28.8	15.1	9.6	6.9	4.1	1.4	0.0	0.0	0.0
70°	2141.7	1069.5	21.9	11.0	6.9	4.1	1.4	0.0	0.0	0.0	0.0
72.5°	1532.9	695.2	15.1	8.2	2.7	1.4	0.0	0.0	0.0	0.0	0.0
75°	817.2	296.2	11.0	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	256.4	75.4	6.9	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.2	20.6	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.2	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	1.4	1.4	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)