

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: P676403

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676403
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-730-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

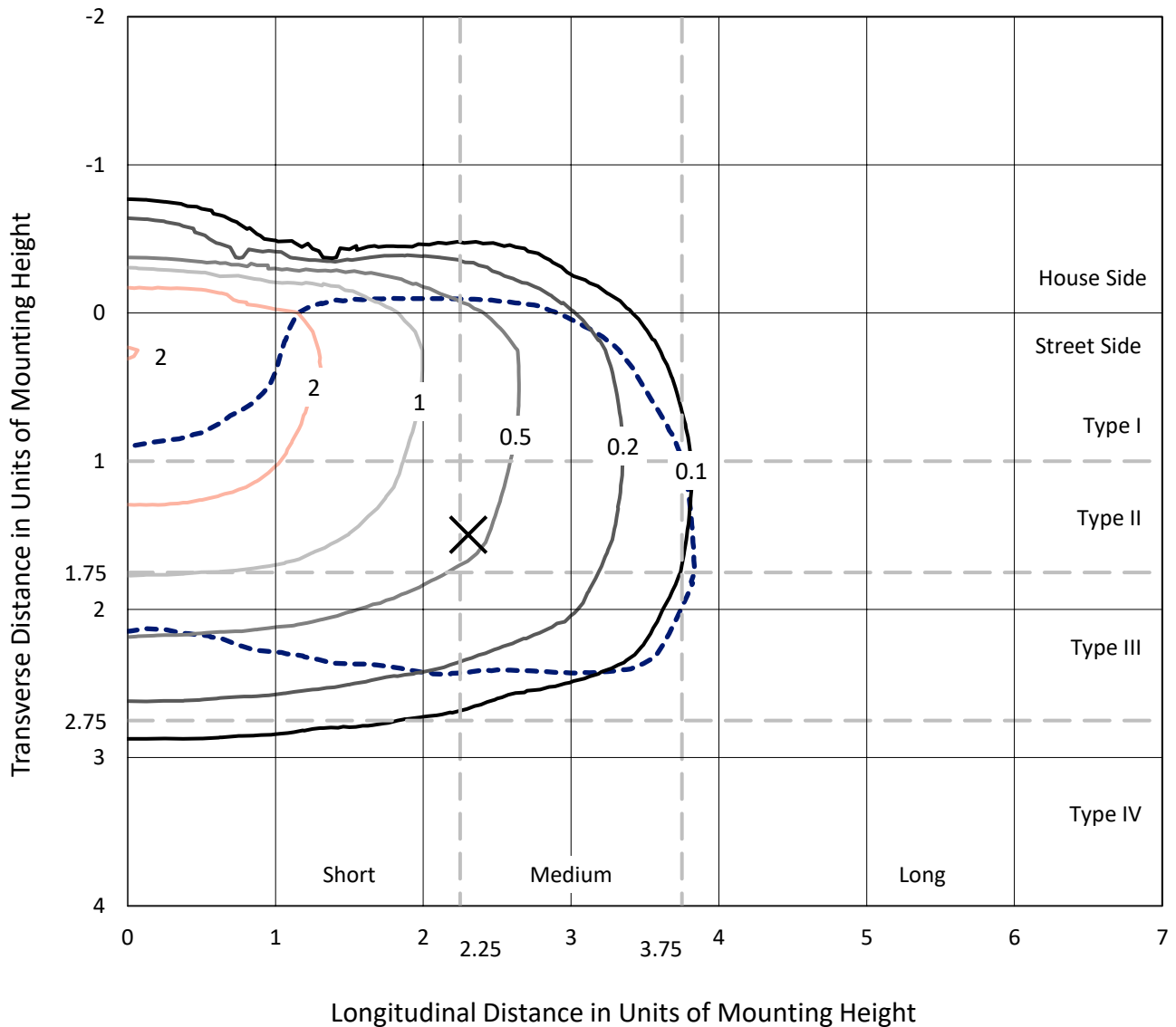
Lumens per Lamp: N/A
Luminaire Lumens: 4530.5 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

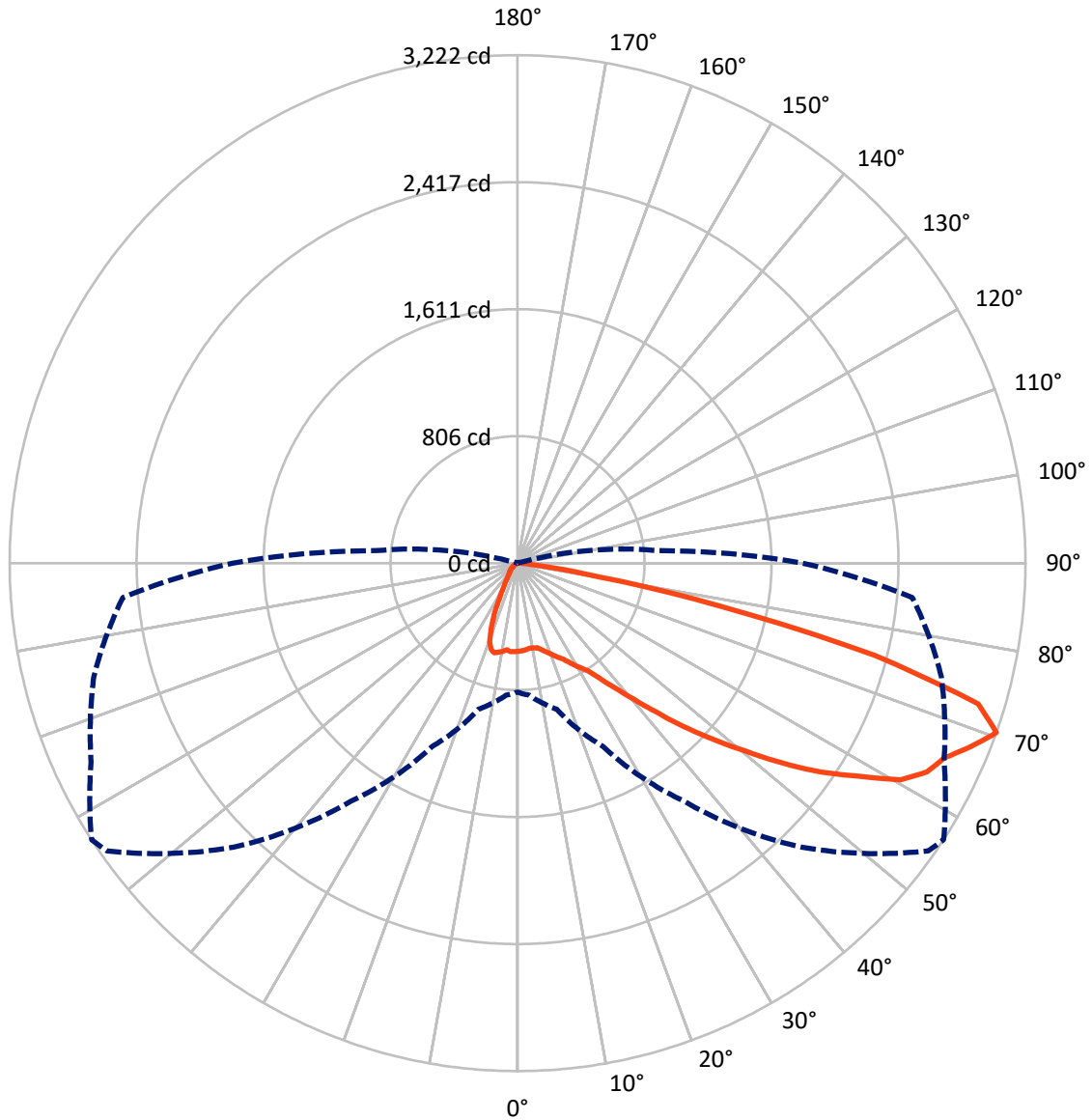
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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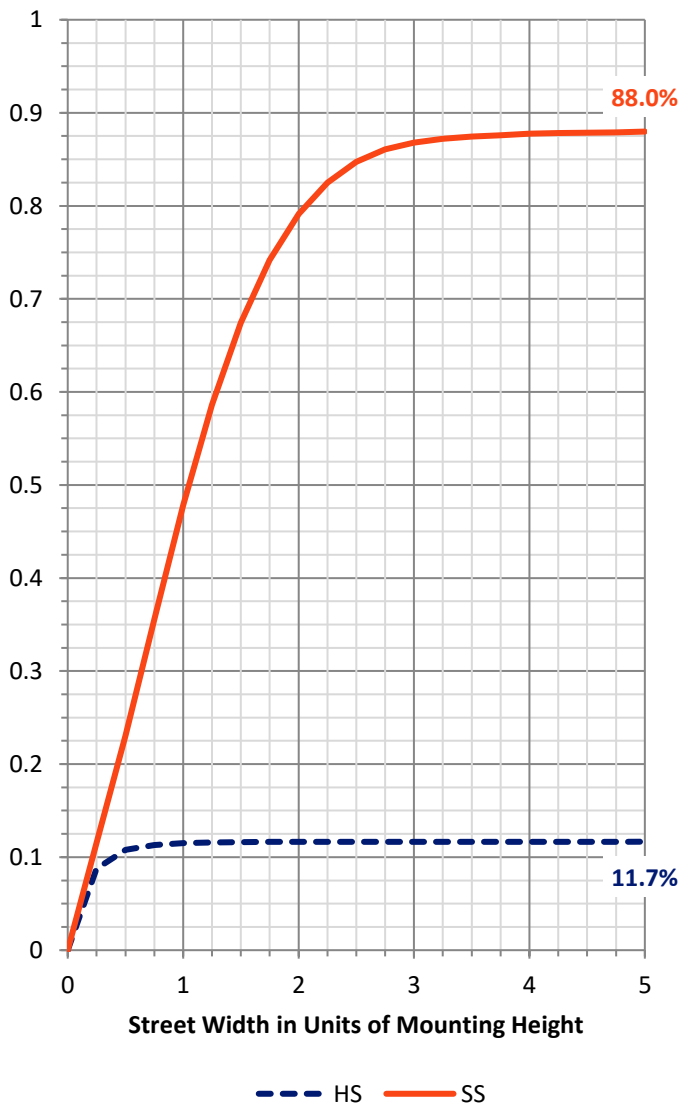
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	534.0	0.0	534.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3996.5	0.0	3996.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	4530.5	0.0	4530.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.2
10°-20°	146.1	3.2
20°-30°	246.0	5.4
30°-40°	421.1	9.3
40°-50°	707.0	15.6
50°-60°	1085.2	24.0
60°-70°	1253.0	27.7
70°-80°	591.9	13.1
80°-90°	28.1	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°	4530.5	100.0
0°-180°	4530.5	100.0

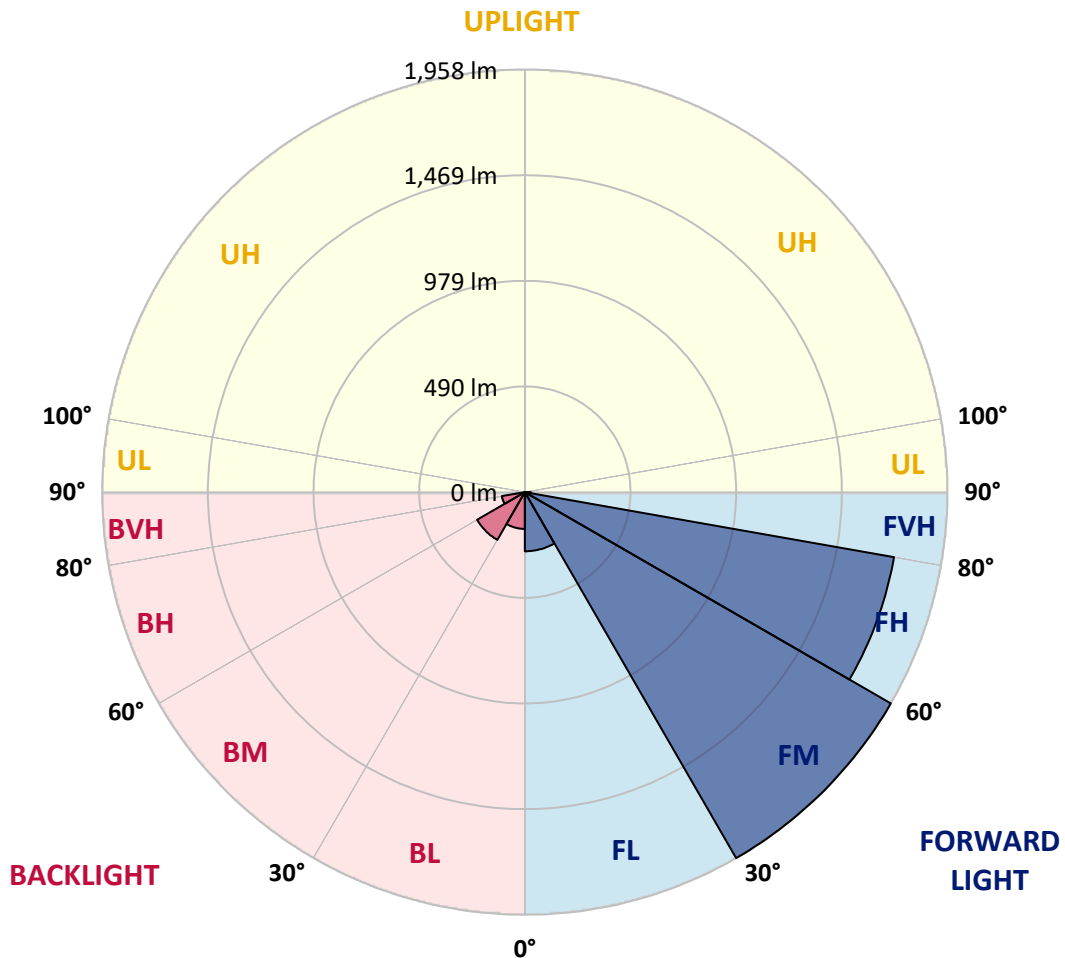


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.1	6.0			
FM (30°-60°)	1958.0	43.2			
FH (60°-80°)	1736.8	38.3			G1/1800
FVH (80°-90°)	27.6	0.6			G1/100
BL (0°-30°)	170.2	3.8	B1/500		
BM (30°-60°)	255.3	5.6	B1/1000		
BH (60°-80°)	108.0	2.4	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	550.9	547.4	550.9	555.5	550.9	554.4	553.2	556.7	552.1	552.1	555.5
5°	515.0	520.8	523.1	528.9	534.7	545.1	552.1	552.1	559.0	562.5	567.1
7.5°	502.3	493.0	502.3	506.9	512.7	530.1	540.5	545.1	554.4	567.1	574.1
10°	483.8	490.7	490.7	505.8	513.9	524.3	542.8	546.3	567.1	579.8	586.8
12.5°	482.6	482.6	488.4	498.8	515.0	534.7	557.8	550.9	572.9	596.0	607.6
15°	486.1	494.2	494.2	508.1	520.8	548.6	568.3	569.4	600.7	623.8	634.2
17.5°	501.1	497.7	502.3	510.4	530.1	556.7	589.1	592.6	628.4	659.7	674.7
20°	532.4	538.2	531.2	526.6	534.7	569.4	611.1	618.0	658.5	688.6	703.7
22.5°	649.3	644.7	616.9	584.5	570.6	586.8	631.9	648.1	695.6	731.5	744.2
25°	781.2	773.1	740.7	692.1	628.4	621.5	673.6	673.6	741.9	781.2	777.7
27.5°	906.2	903.9	865.7	814.8	724.5	674.7	707.1	719.9	794.0	826.4	811.3
30°	1033.5	1035.8	1001.1	939.8	844.9	760.4	754.6	765.0	833.3	884.2	853.0
32.5°	1181.7	1160.8	1136.5	1052.0	965.2	870.3	815.9	811.3	877.3	923.6	881.9
35°	1313.6	1300.9	1274.3	1197.9	1098.3	984.9	908.5	897.0	932.8	994.2	949.0
37.5°	1429.3	1416.6	1381.9	1331.0	1253.4	1127.3	1019.6	1002.3	1017.3	1082.1	1027.7
40°	1528.9	1532.3	1523.1	1473.3	1401.6	1287.0	1163.2	1135.4	1122.6	1180.5	1119.2
42.5°	1600.6	1634.2	1636.5	1575.2	1517.3	1454.8	1315.9	1293.9	1263.8	1312.4	1269.6
45°	1751.1	1732.6	1744.1	1722.2	1658.5	1649.2	1491.8	1479.1	1437.4	1453.6	1408.5
47.5°	1869.1	1865.7	1887.7	1851.8	1834.4	1835.6	1692.1	1670.1	1611.0	1641.1	1590.2
50°	1937.4	1918.9	1998.8	2026.5	2023.1	2037.0	1894.6	1876.1	1819.4	1863.4	1754.6
52.5°	1953.6	1987.2	2062.4	2163.1	2205.9	2234.9	2115.7	2108.7	2047.4	2075.2	1924.7
55°	1994.1	2026.5	2070.5	2236.0	2394.6	2401.5	2333.2	2340.2	2285.8	2278.8	2086.7
57.5°	1993.0	1986.0	2107.6	2299.7	2519.6	2619.1	2582.1	2548.5	2489.5	2421.2	2190.9
60°	1920.1	1916.6	2042.7	2307.8	2587.9	2815.9	2830.9	2791.6	2643.4	2542.7	2313.6
62.5°	1775.4	1789.3	1916.6	2238.3	2652.7	2886.5	2942.0	2915.4	2731.4	2623.7	2458.2
65°	1609.9	1581.0	1729.1	2064.7	2506.8	2865.6	2986.0	2976.7	2835.5	2711.7	2591.3
67.5°	1291.6	1304.3	1417.8	1776.6	2258.0	2789.2	3089.0	3102.9	2918.9	2789.2	2631.8
70°	818.3	841.4	959.5	1283.5	1843.7	2548.5	3181.6	3222.1	2984.8	2782.3	2513.8
72.5°	238.4	247.7	408.5	640.0	1174.7	2043.9	3033.4	3054.3	2856.4	2525.4	1944.4
75°	78.7	83.3	120.4	208.3	460.6	1056.7	2240.7	2339.0	2273.1	1830.9	1112.2
77.5°	52.1	54.4	66.0	99.5	174.8	331.0	1201.3	1306.7	1281.2	857.6	358.8
80°	38.2	39.4	48.6	67.1	106.5	119.2	443.3	512.7	495.4	196.8	71.8
82.5°	24.3	24.3	35.9	47.5	67.1	59.0	128.5	142.4	138.9	75.2	27.8
85°	16.2	17.4	26.6	37.0	37.0	27.8	37.0	42.8	46.3	40.5	12.7
87.5°	4.6	5.8	15.0	25.5	15.0	13.9	12.7	13.9	16.2	22.0	6.9
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°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	559.0	563.6	562.5	564.8	561.3	557.8	561.3	561.3	561.3	557.8	555.5
5°	563.6	561.3	563.6	559.0	563.6	559.0	556.7	549.7	548.6	548.6	553.2
7.5°	570.6	572.9	562.5	562.5	552.1	554.4	548.6	549.7	547.4	544.0	541.6
10°	581.0	590.3	579.8	576.4	564.8	555.5	541.6	534.7	534.7	530.1	534.7
12.5°	609.9	606.5	600.7	589.1	575.2	556.7	523.1	489.6	461.8	441.0	451.4
15°	633.1	631.9	623.8	601.8	583.3	526.6	442.1	355.3	309.0	288.2	284.7
17.5°	669.0	665.5	651.6	622.7	561.3	436.3	303.2	230.3	185.2	174.8	171.3
20°	702.5	701.4	671.3	634.2	505.8	318.3	197.9	151.6	138.9	140.0	137.7
22.5°	738.4	732.6	696.7	620.3	402.8	211.8	141.2	135.4	130.8	129.6	131.9
25°	778.9	758.1	722.2	589.1	296.3	145.8	133.1	128.5	123.8	122.7	122.7
27.5°	795.1	781.2	733.8	513.9	187.5	127.3	125.0	119.2	113.4	109.9	108.8
30°	832.1	809.0	745.3	403.9	133.1	116.9	113.4	106.5	98.4	92.6	92.6
32.5°	869.2	841.4	746.5	282.4	111.1	105.3	99.5	90.3	79.9	74.1	75.2
35°	915.5	877.3	733.8	182.9	99.5	92.6	81.0	70.6	61.3	56.7	56.7
37.5°	994.2	958.3	681.7	120.4	90.3	78.7	67.1	55.6	47.5	44.0	44.0
40°	1093.7	1047.4	609.9	94.9	79.9	67.1	53.2	42.8	38.2	34.7	34.7
42.5°	1212.9	1155.0	503.5	84.5	70.6	55.6	41.7	33.6	28.9	28.9	27.8
45°	1332.1	1237.2	394.7	77.5	62.5	46.3	32.4	26.6	24.3	23.1	23.1
47.5°	1502.3	1336.8	282.4	70.6	54.4	35.9	26.6	22.0	19.7	18.5	19.7
50°	1665.4	1430.5	200.2	63.7	45.1	28.9	22.0	19.7	17.4	16.2	16.2
52.5°	1809.0	1495.3	140.0	55.6	38.2	24.3	19.7	17.4	16.2	15.0	15.0
55°	1887.7	1473.3	96.1	47.5	31.2	20.8	17.4	15.0	13.9	12.7	12.7
57.5°	1968.7	1412.0	72.9	39.4	25.5	19.7	16.2	13.9	12.7	11.6	11.6
60°	2037.0	1366.8	56.7	31.2	20.8	16.2	13.9	11.6	10.4	9.3	8.1
62.5°	2040.4	1276.6	41.7	23.1	16.2	13.9	11.6	9.3	5.8	4.6	3.5
65°	2054.3	1181.7	30.1	17.4	11.6	10.4	8.1	4.6	2.3	0.0	0.0
67.5°	2005.7	1069.4	24.3	12.7	8.1	5.8	3.5	1.2	0.0	0.0	0.0
70°	1807.8	902.7	18.5	9.3	5.8	3.5	1.2	0.0	0.0	0.0	0.0
72.5°	1293.9	586.8	12.7	6.9	2.3	1.2	0.0	0.0	0.0	0.0	0.0
75°	689.8	250.0	9.3	4.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	216.4	63.7	5.8	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	47.5	17.4	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.2	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.8	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.2	1.2	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)