

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: P676698

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676698
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-735-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

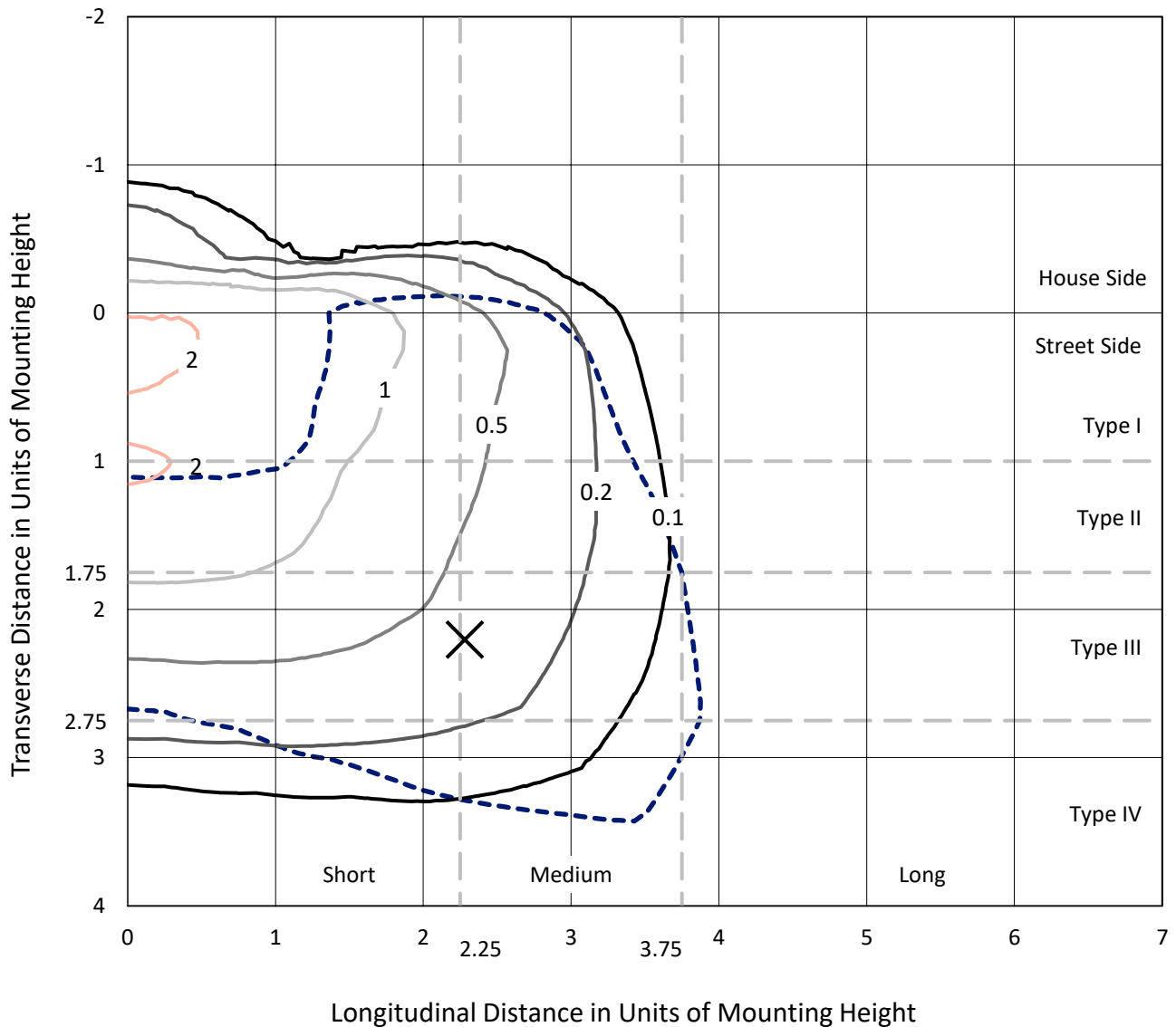
Lumens per Lamp: N/A
Luminaire Lumens: 3968.5 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

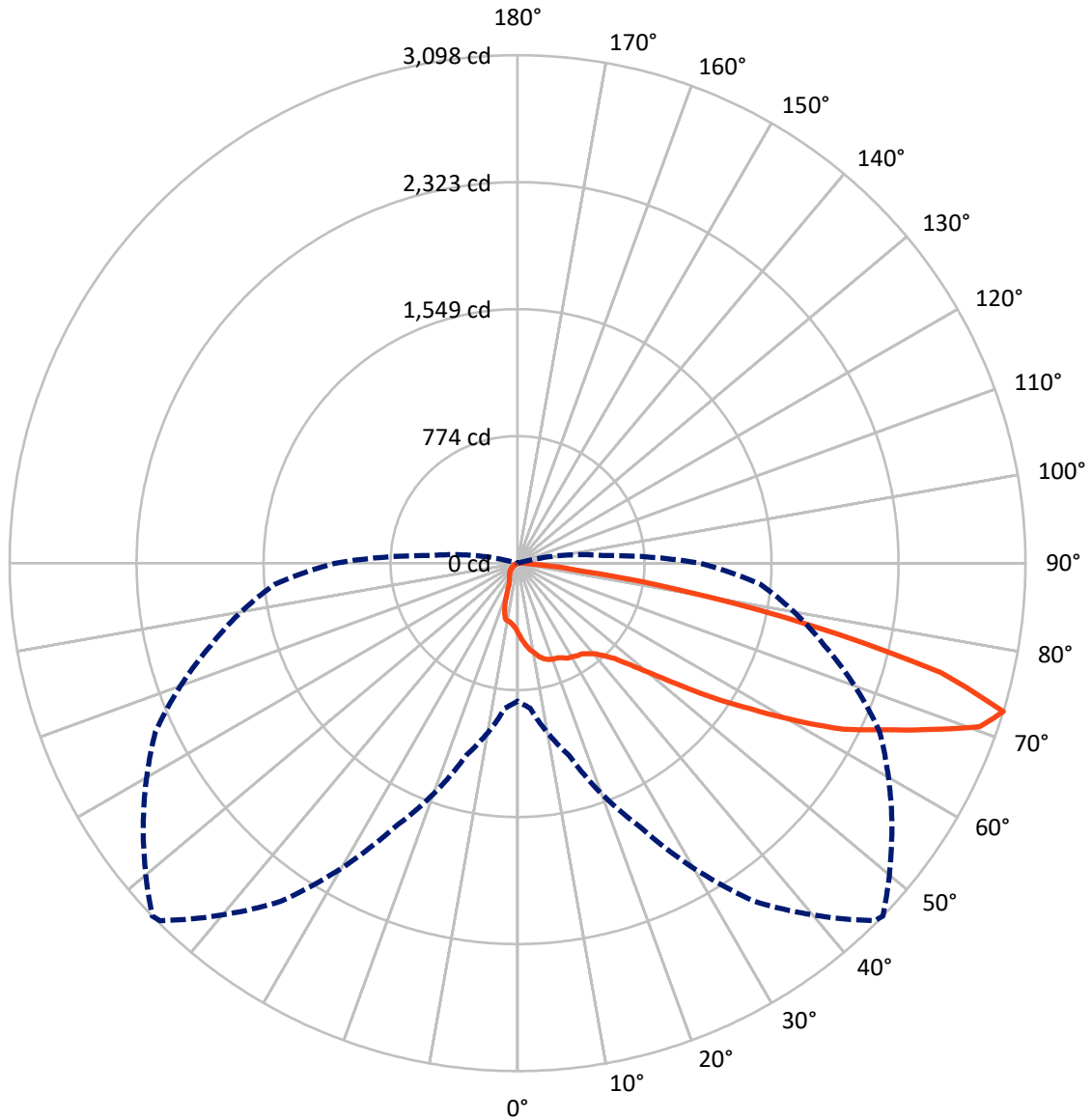
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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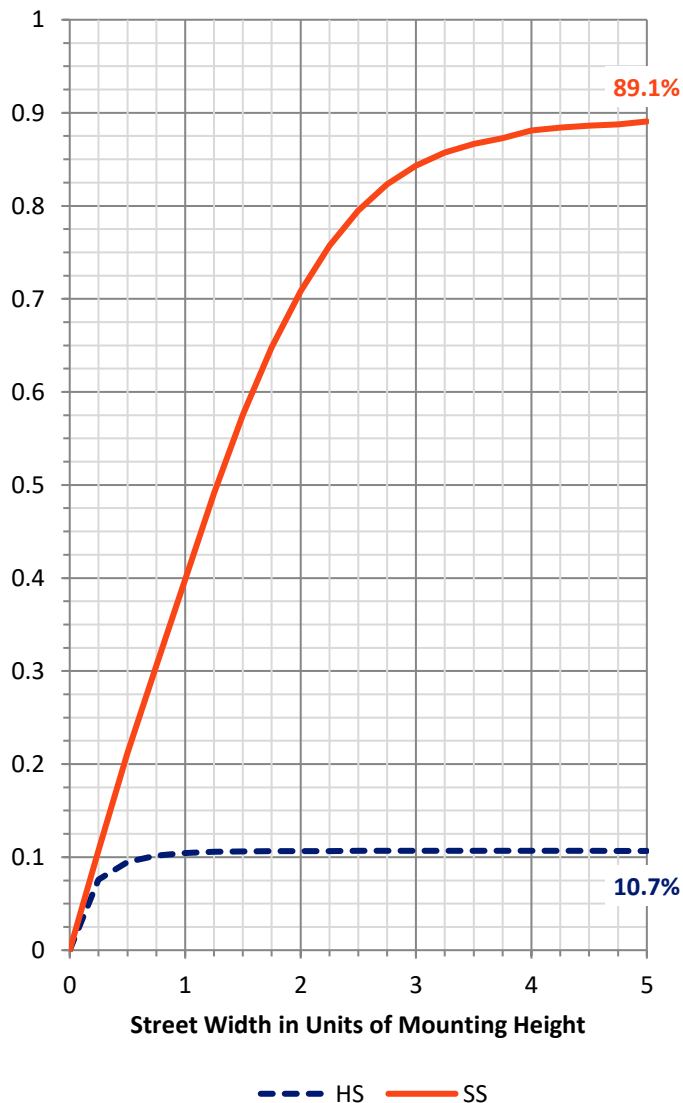
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	427.2	0.0	427.2
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	3541.2	0.0	3541.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	3968.5	0.0	3968.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	1.1
10°-20°	128.2	3.2
20°-30°	200.6	5.1
30°-40°	281.0	7.1
40°-50°	463.3	11.7
50°-60°	832.8	21.0
60°-70°	1207.1	30.4
70°-80°	753.3	19.0
80°-90°	59.7	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°	3968.5	100.0
0°-180°	3968.5	100.0



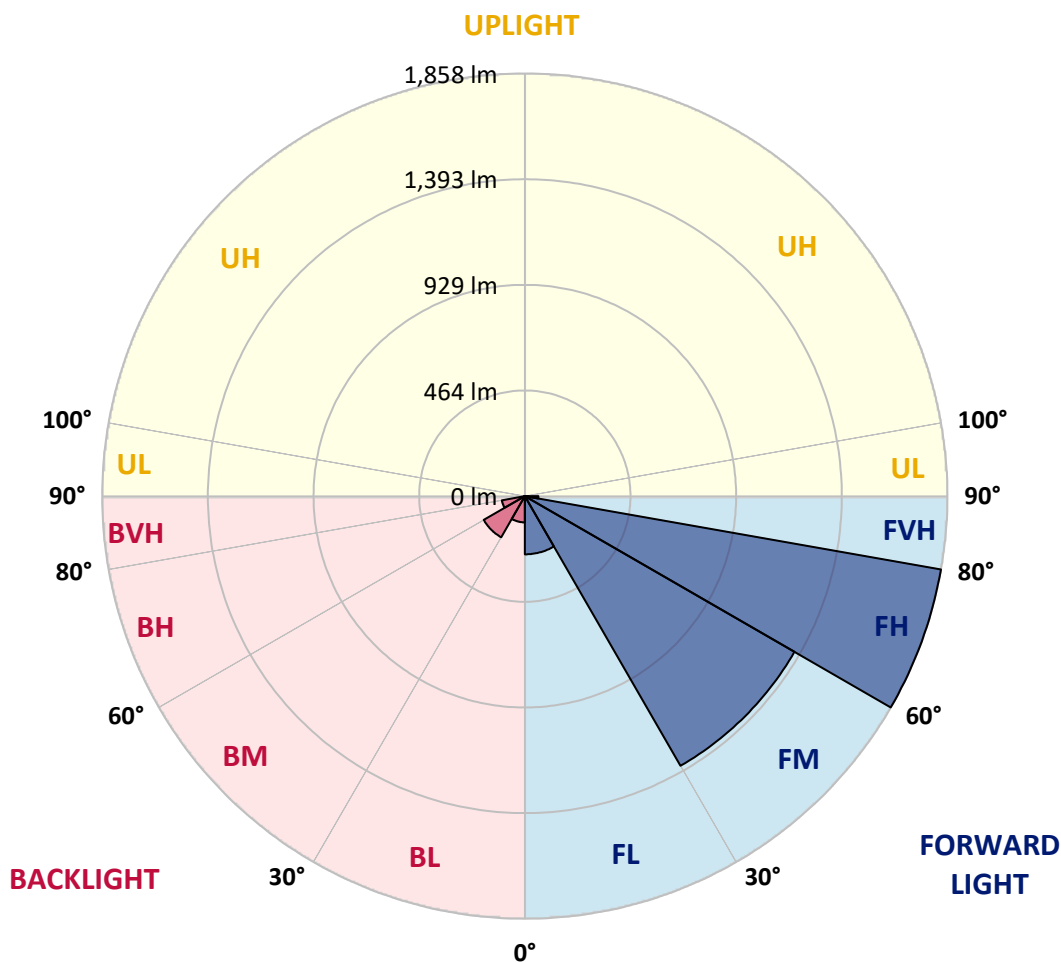
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.8	6.4			
FM (30°-60°)	1368.4	34.5			
FH (60°-80°)	1857.6	46.8			G2/5000
FVH (80°-90°)	59.4	1.5			G1/100
BL (0°-30°)	115.5	2.9	B1/500		
BM (30°-60°)	208.7	5.3	B0/220		
BH (60°-80°)	102.7	2.6	B0/110		G0/110
BVH (80°-90°)	0.3	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°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1
2.5°	474.7	472.7	475.8	474.7	462.6	464.6	463.6	455.5	441.3	433.2	428.2
5°	529.4	534.5	530.4	521.3	514.2	500.1	498.0	484.9	462.6	448.4	433.2
7.5°	586.1	586.1	578.0	563.8	548.6	533.5	531.4	509.2	489.9	465.6	444.4
10°	628.6	623.5	617.5	602.3	585.1	564.8	554.7	538.5	517.3	487.9	460.6
12.5°	666.1	658.0	647.8	625.6	605.3	583.1	585.1	558.8	544.6	518.3	477.8
15°	687.3	680.2	671.1	650.9	619.5	609.4	605.3	589.1	563.8	537.5	499.0
17.5°	692.4	687.3	675.2	648.9	631.6	619.5	618.5	599.3	588.1	565.9	523.3
20°	682.3	673.2	664.0	646.8	630.6	626.6	623.5	623.5	609.4	580.0	538.5
22.5°	665.1	654.9	649.9	639.7	626.6	625.6	627.6	625.6	614.4	595.2	554.7
25°	651.9	646.8	638.7	635.7	627.6	642.8	639.7	636.7	633.7	611.4	580.0
27.5°	655.9	654.9	648.9	636.7	630.6	646.8	655.9	657.0	655.9	633.7	603.3
30°	658.0	652.9	646.8	643.8	645.8	662.0	662.0	684.3	675.2	652.9	626.6
32.5°	681.2	678.2	658.0	650.9	651.9	671.1	672.1	694.4	691.4	676.2	646.8
35°	730.8	710.6	681.2	661.0	661.0	686.3	678.2	710.6	718.7	694.4	661.0
37.5°	804.7	789.6	736.9	691.4	674.2	692.4	700.5	718.7	743.0	721.7	689.3
40°	951.5	948.5	873.6	775.4	707.6	723.8	726.8	755.1	771.3	742.0	732.9
42.5°	1166.1	1150.9	1081.1	926.2	768.3	761.2	772.4	790.6	829.0	804.7	782.5
45°	1375.7	1368.6	1298.7	1125.6	878.6	836.1	830.1	862.4	919.1	892.8	875.6
47.5°	1527.5	1513.3	1473.8	1328.1	1040.6	924.2	928.2	960.6	1032.5	1012.3	1017.3
50°	1643.9	1636.8	1595.3	1515.3	1245.1	1062.9	1054.8	1087.2	1184.3	1197.5	1211.7
52.5°	1771.4	1784.6	1728.9	1661.1	1487.0	1249.1	1230.9	1242.0	1367.6	1397.9	1437.4
55°	1893.9	1915.2	1859.5	1850.4	1740.1	1455.6	1452.6	1426.3	1588.2	1592.3	1613.5
57.5°	1973.9	1966.8	1962.8	2012.4	1993.1	1692.5	1677.3	1651.0	1797.8	1771.4	1835.2
60°	1980.0	2000.2	2068.0	2190.5	2224.9	1970.9	1948.6	1876.7	1979.0	1916.2	2037.7
62.5°	2025.5	2041.7	2167.2	2336.3	2380.8	2215.8	2231.0	2048.8	2133.8	2084.2	2262.4
65°	1910.1	1960.7	2212.8	2449.7	2585.3	2463.8	2448.6	2270.5	2292.8	2246.2	2484.1
67.5°	1805.9	1825.1	2088.3	2484.1	2747.3	2712.8	2706.8	2466.9	2456.7	2370.7	2546.8
70°	1467.8	1491.1	1751.2	2307.9	2801.9	3003.4	2989.2	2742.2	2568.1	2302.9	2224.9
72.5°	841.2	887.7	1213.7	1777.5	2517.5	3084.3	3097.5	2786.7	2436.5	1936.4	1486.0
75°	275.3	288.5	504.1	1007.2	1882.8	2690.6	2667.3	2395.0	1965.8	1278.5	671.1
77.5°	93.1	95.2	148.8	364.4	1043.6	1818.0	1831.2	1711.7	1207.6	531.4	185.2
80°	47.6	50.6	72.9	136.7	429.2	990.0	1011.2	975.8	506.1	156.9	44.5
82.5°	22.3	23.3	42.5	75.9	196.4	388.7	388.7	427.2	179.2	88.1	18.2
85°	8.1	8.1	22.3	43.5	83.0	129.6	130.6	131.6	94.1	65.8	8.1
87.5°	3.0	3.0	11.1	18.2	30.4	39.5	39.5	31.4	47.6	43.5	3.0
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°	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1	424.1
2.5°	426.2	420.1	415.0	407.9	398.8	393.8	394.8	388.7	388.7	385.7	384.7
5°	426.2	420.1	406.9	394.8	386.7	376.6	371.5	367.4	367.4	365.4	366.4
7.5°	429.2	420.1	401.9	385.7	372.5	362.4	354.3	353.3	351.3	346.2	350.2
10°	447.4	434.3	403.9	381.6	366.4	355.3	341.1	337.1	331.0	321.9	322.9
12.5°	462.6	445.4	418.1	387.7	368.5	350.2	317.8	282.4	267.2	251.0	252.1
15°	484.9	460.6	423.1	395.8	368.5	309.8	251.0	205.5	181.2	169.0	169.0
17.5°	497.0	476.8	437.3	400.9	339.1	252.1	178.2	138.7	134.6	136.7	136.7
20°	522.3	495.0	453.5	404.9	290.5	179.2	130.6	126.5	128.6	132.6	131.6
22.5°	538.5	511.2	465.6	386.7	224.7	128.6	122.5	120.5	122.5	127.5	127.5
25°	551.7	534.5	484.9	342.1	158.9	116.4	114.4	116.4	118.4	120.5	123.5
27.5°	584.1	554.7	498.0	284.4	114.4	108.3	110.3	111.3	111.3	114.4	115.4
30°	605.3	582.0	508.2	219.7	101.2	100.2	102.2	103.3	104.3	107.3	108.3
32.5°	625.6	617.5	495.0	148.8	95.2	93.1	92.1	93.1	97.2	100.2	99.2
35°	654.9	649.9	475.8	103.3	89.1	85.0	83.0	84.0	87.1	90.1	89.1
37.5°	690.4	695.4	429.2	90.1	83.0	77.9	73.9	73.9	74.9	77.9	79.0
40°	731.9	745.0	374.5	84.0	79.0	72.9	68.8	63.8	62.8	61.7	62.8
42.5°	807.8	823.0	312.8	80.0	72.9	65.8	59.7	53.6	48.6	45.6	45.6
45°	914.1	901.9	231.8	75.9	69.8	59.7	50.6	43.5	36.4	33.4	33.4
47.5°	1060.8	1019.3	158.9	71.9	64.8	52.6	42.5	33.4	27.3	24.3	24.3
50°	1264.3	1127.7	103.3	67.8	61.7	45.6	34.4	24.3	20.2	19.2	20.2
52.5°	1456.6	1238.0	82.0	62.8	55.7	39.5	26.3	20.2	18.2	17.2	17.2
55°	1633.8	1293.7	72.9	57.7	50.6	32.4	22.3	17.2	16.2	15.2	15.2
57.5°	1783.6	1312.9	62.8	50.6	40.5	25.3	18.2	15.2	13.2	12.1	12.1
60°	1913.2	1318.0	48.6	40.5	29.4	19.2	15.2	13.2	11.1	9.1	9.1
62.5°	2016.4	1282.5	34.4	28.3	20.2	15.2	13.2	9.1	6.1	4.0	3.0
65°	2098.4	1211.7	23.3	19.2	13.2	11.1	8.1	4.0	1.0	0.0	0.0
67.5°	2002.2	1050.7	18.2	14.2	9.1	7.1	4.0	1.0	0.0	0.0	0.0
70°	1632.8	814.9	13.2	9.1	6.1	2.0	1.0	0.0	0.0	0.0	0.0
72.5°	1111.5	525.4	10.1	6.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	499.0	188.3	7.1	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	121.5	44.5	5.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	32.4	11.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.1	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	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)