

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: P676409

Luminaire Tested: **CCW-SA-1C-735-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676409
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 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: 3212.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

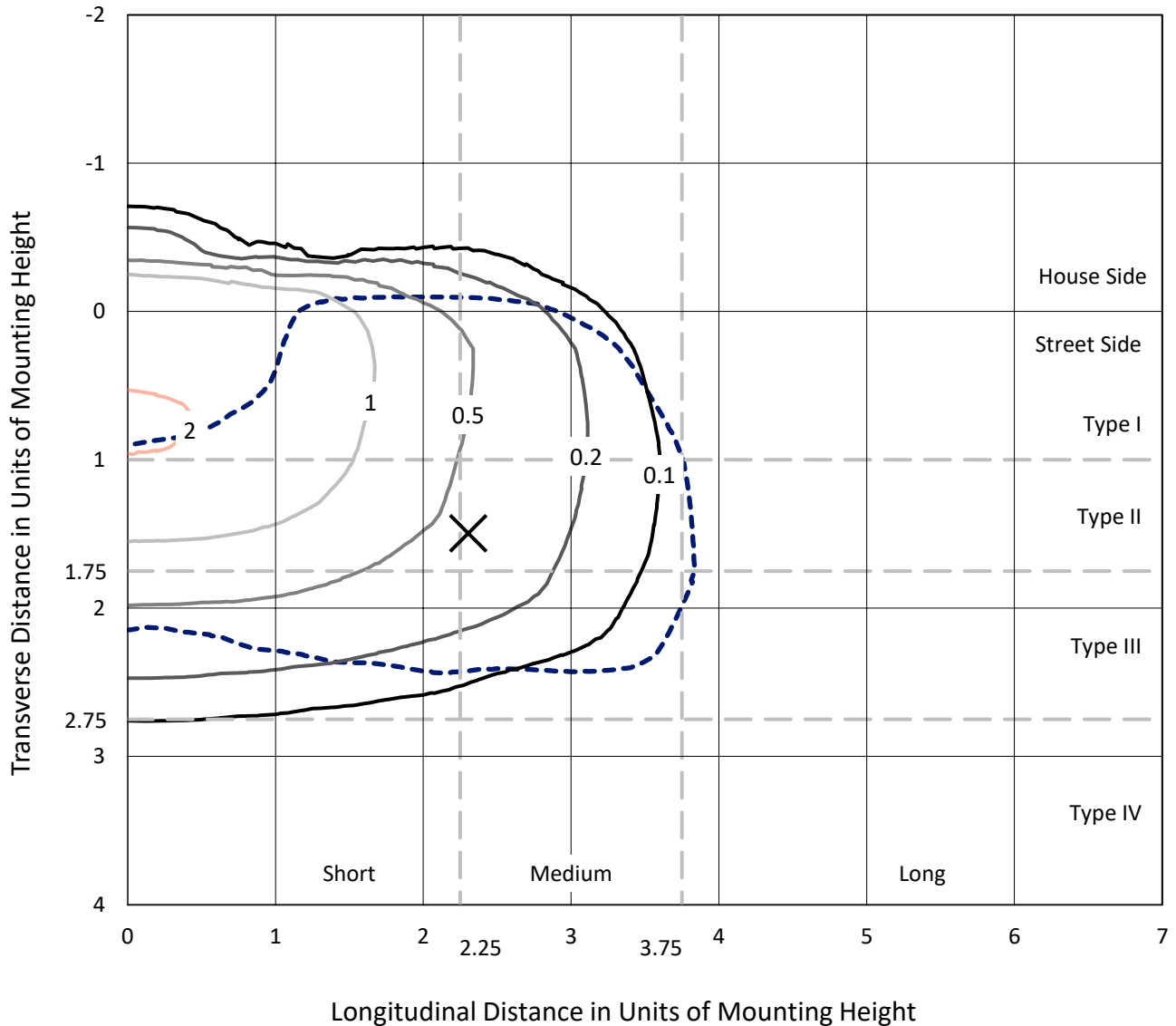
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

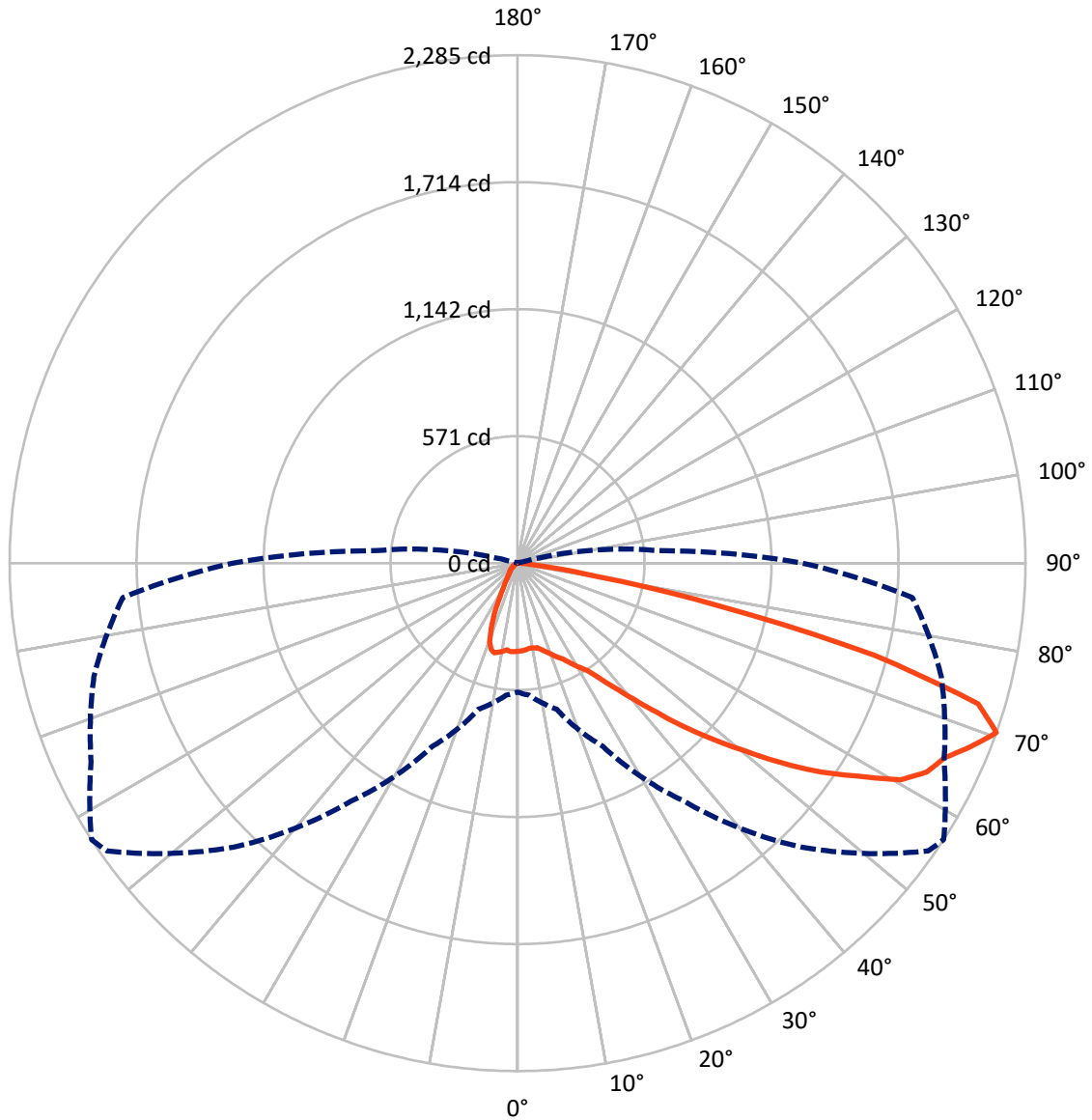
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 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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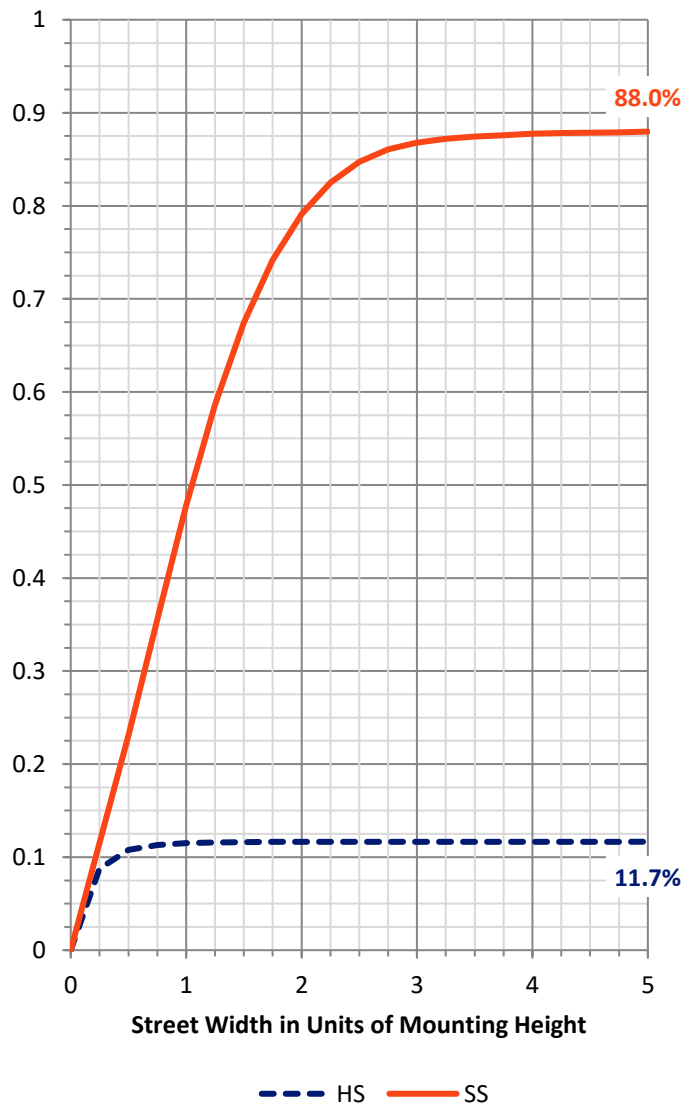
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.7	0.0	378.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2833.9	0.0	2833.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	3212.5	0.0	3212.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.2
10°-20°	103.6	3.2
20°-30°	174.5	5.4
30°-40°	298.6	9.3
40°-50°	501.3	15.6
50°-60°	769.5	24.0
60°-70°	888.5	27.7
70°-80°	419.7	13.1
80°-90°	19.9	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°	3212.5	100.0
0°-180°	3212.5	100.0



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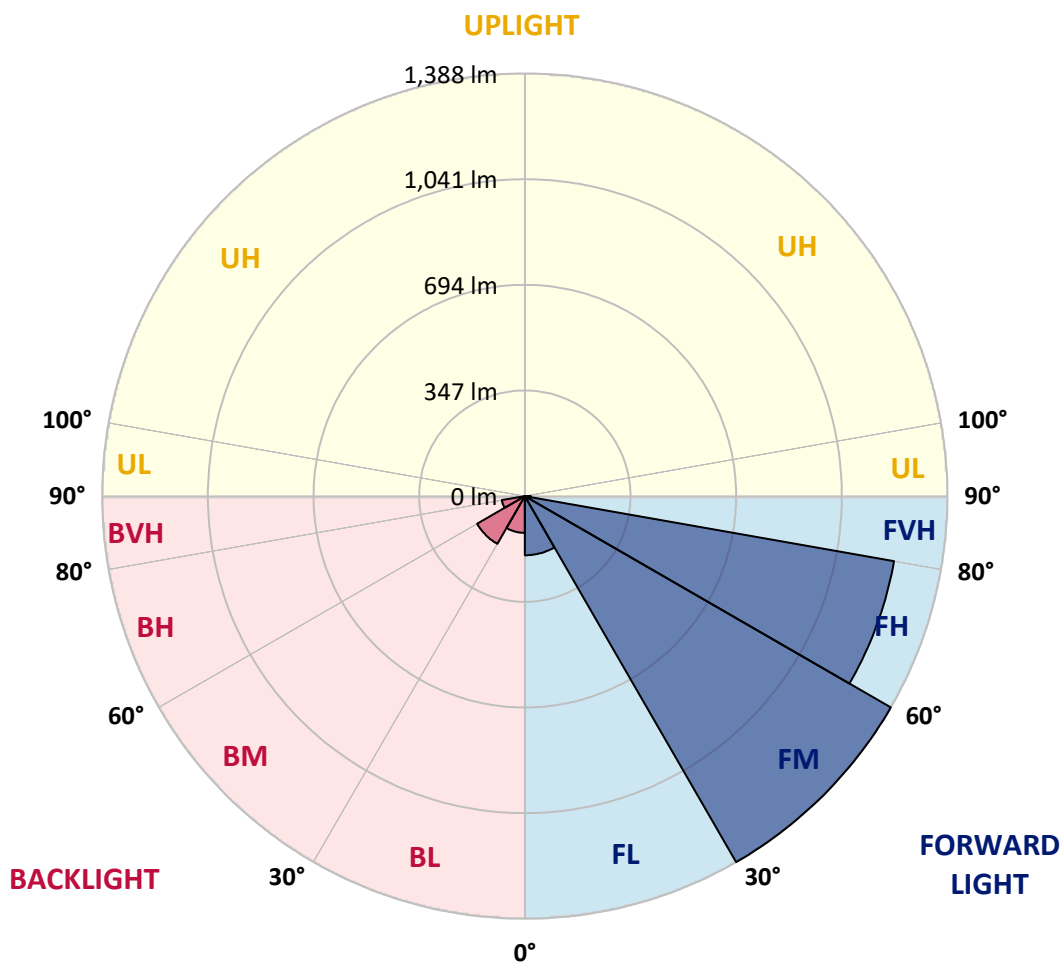
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.4	6.0			
FM (30°-60°)	1388.4	43.2			
FH (60°-80°)	1231.5	38.3			G1/1800
FVH (80°-90°)	19.6	0.6			G1/100
BL (0°-30°)	120.7	3.8	B1/500		
BM (30°-60°)	181.0	5.6	B0/220		
BH (60°-80°)	76.6	2.4	B0/110		G0/110
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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4
2.5°	390.6	388.2	390.6	393.9	390.6	393.1	392.3	394.7	391.5	391.5	393.9
5°	365.2	369.3	370.9	375.0	379.2	386.5	391.5	391.5	396.4	398.8	402.1
7.5°	356.2	349.6	356.2	359.5	363.6	375.9	383.3	386.5	393.1	402.1	407.1
10°	343.0	348.0	348.0	358.6	364.4	371.8	384.9	387.4	402.1	411.2	416.1
12.5°	342.2	342.2	346.3	353.7	365.2	379.2	395.6	390.6	406.2	422.6	430.9
15°	344.7	350.4	350.4	360.3	369.3	389.0	403.0	403.8	425.9	442.3	449.7
17.5°	355.4	352.9	356.2	361.9	375.9	394.7	417.7	420.2	445.6	467.8	478.5
20°	377.5	381.6	376.7	373.4	379.2	403.8	433.3	438.2	467.0	488.3	499.0
22.5°	460.4	457.1	437.4	414.4	404.6	416.1	448.1	459.6	493.2	518.7	527.7
25°	554.0	548.2	525.2	490.8	445.6	440.7	477.6	477.6	526.1	554.0	551.5
27.5°	642.6	640.9	613.9	577.8	513.7	478.5	501.4	510.5	563.0	586.0	575.3
30°	732.9	734.5	709.9	666.4	599.1	539.2	535.1	542.5	590.9	627.0	604.8
32.5°	837.9	823.1	805.9	746.0	684.4	617.1	578.6	575.3	622.1	654.9	625.4
35°	931.5	922.4	903.6	849.4	778.8	698.4	644.2	636.0	661.5	705.0	673.0
37.5°	1013.5	1004.5	979.9	943.8	888.8	799.3	723.0	710.7	721.4	767.3	728.8
40°	1084.1	1086.6	1080.0	1044.7	993.8	912.6	824.8	805.1	796.1	837.1	793.6
42.5°	1135.0	1158.8	1160.4	1116.9	1075.9	1031.6	933.1	917.5	896.2	930.6	900.3
45°	1241.7	1228.6	1236.8	1221.2	1176.0	1169.5	1057.9	1048.8	1019.3	1030.8	998.8
47.5°	1325.4	1322.9	1338.5	1313.1	1300.8	1301.6	1199.8	1184.2	1142.4	1163.7	1127.6
50°	1373.8	1360.7	1417.3	1437.0	1434.5	1444.4	1343.4	1330.3	1290.1	1321.3	1244.1
52.5°	1385.3	1409.1	1462.4	1533.8	1564.2	1584.7	1500.2	1495.3	1451.8	1471.5	1364.8
55°	1414.0	1437.0	1468.2	1585.5	1698.0	1702.9	1654.5	1659.4	1620.8	1615.9	1479.7
57.5°	1413.2	1408.3	1494.4	1630.7	1786.6	1857.2	1830.9	1807.1	1765.3	1716.9	1553.5
60°	1361.5	1359.0	1448.5	1636.4	1835.0	1996.7	2007.4	1979.5	1874.4	1803.0	1640.5
62.5°	1258.9	1268.8	1359.0	1587.2	1881.0	2046.8	2086.2	2067.3	1936.8	1860.5	1743.1
65°	1141.6	1121.0	1226.1	1464.1	1777.6	2032.0	2117.3	2110.8	2010.7	1922.8	1837.5
67.5°	915.9	924.9	1005.3	1259.7	1601.1	1977.8	2190.4	2200.2	2069.7	1977.8	1866.2
70°	580.2	596.6	680.3	910.1	1307.3	1807.1	2256.0	2284.8	2116.5	1972.9	1782.5
72.5°	169.1	175.6	289.7	453.8	833.0	1449.3	2151.0	2165.8	2025.4	1790.7	1378.7
75°	55.8	59.1	85.4	147.7	326.6	749.3	1588.8	1658.6	1611.8	1298.3	788.7
77.5°	36.9	38.6	46.8	70.6	123.9	234.7	851.9	926.5	908.5	608.1	254.4
80°	27.1	27.9	34.5	47.6	75.5	84.5	314.3	363.6	351.2	139.5	50.9
82.5°	17.2	17.2	25.4	33.6	47.6	41.9	91.1	100.9	98.5	53.3	19.7
85°	11.5	12.3	18.9	26.3	26.3	19.7	26.3	30.4	32.8	28.7	9.0
87.5°	3.3	4.1	10.7	18.1	10.7	9.8	9.0	9.8	11.5	15.6	4.9
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°	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4
2.5°	396.4	399.7	398.8	400.5	398.0	395.6	398.0	398.0	398.0	395.6	393.9
5°	399.7	398.0	399.7	396.4	399.7	396.4	394.7	389.8	389.0	389.0	392.3
7.5°	404.6	406.2	398.8	398.8	391.5	393.1	389.0	389.8	388.2	385.7	384.1
10°	412.0	418.5	411.2	408.7	400.5	393.9	384.1	379.2	379.2	375.9	379.2
12.5°	432.5	430.0	425.9	417.7	407.9	394.7	370.9	347.1	327.4	312.7	320.1
15°	448.9	448.1	442.3	426.8	413.6	373.4	313.5	251.9	219.1	204.3	201.9
17.5°	474.4	471.9	462.0	441.5	398.0	309.4	215.0	163.3	131.3	123.9	121.5
20°	498.1	497.3	476.0	449.7	358.6	225.7	140.3	107.5	98.5	99.3	97.7
22.5°	523.6	519.5	494.0	439.9	285.6	150.2	100.1	96.0	92.7	91.9	93.6
25°	552.3	537.5	512.1	417.7	210.1	103.4	94.4	91.1	87.8	87.0	87.0
27.5°	563.8	554.0	520.3	364.4	132.9	90.3	88.6	84.5	80.4	78.0	77.1
30°	590.1	573.7	528.5	286.4	94.4	82.9	80.4	75.5	69.8	65.7	65.7
32.5°	616.3	596.6	529.3	200.2	78.8	74.7	70.6	64.0	56.6	52.5	53.3
35°	649.2	622.1	520.3	129.7	70.6	65.7	57.4	50.1	43.5	40.2	40.2
37.5°	705.0	679.5	483.4	85.4	64.0	55.8	47.6	39.4	33.6	31.2	31.2
40°	775.5	742.7	432.5	67.3	56.6	47.6	37.8	30.4	27.1	24.6	24.6
42.5°	860.1	819.0	357.0	59.9	50.1	39.4	29.5	23.8	20.5	20.5	19.7
45°	944.6	877.3	279.9	55.0	44.3	32.8	23.0	18.9	17.2	16.4	16.4
47.5°	1065.2	947.9	200.2	50.1	38.6	25.4	18.9	15.6	14.0	13.1	14.0
50°	1181.0	1014.4	142.0	45.1	32.0	20.5	15.6	14.0	12.3	11.5	11.5
52.5°	1282.7	1060.3	99.3	39.4	27.1	17.2	14.0	12.3	11.5	10.7	10.7
55°	1338.5	1044.7	68.1	33.6	22.2	14.8	12.3	10.7	9.8	9.0	9.0
57.5°	1396.0	1001.2	51.7	27.9	18.1	14.0	11.5	9.8	9.0	8.2	8.2
60°	1444.4	969.2	40.2	22.2	14.8	11.5	9.8	8.2	7.4	6.6	5.7
62.5°	1446.9	905.2	29.5	16.4	11.5	9.8	8.2	6.6	4.1	3.3	2.5
65°	1456.7	837.9	21.3	12.3	8.2	7.4	5.7	3.3	1.6	0.0	0.0
67.5°	1422.2	758.3	17.2	9.0	5.7	4.1	2.5	0.8	0.0	0.0	0.0
70°	1281.9	640.1	13.1	6.6	4.1	2.5	0.8	0.0	0.0	0.0	0.0
72.5°	917.5	416.1	9.0	4.9	1.6	0.8	0.0	0.0	0.0	0.0	0.0
75°	489.1	177.3	6.6	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	153.5	45.1	4.1	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	33.6	12.3	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.5	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.1	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.8	0.8	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)