

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: P676446

Luminaire Tested: **CCW-SA-2A-760-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676446
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-760-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

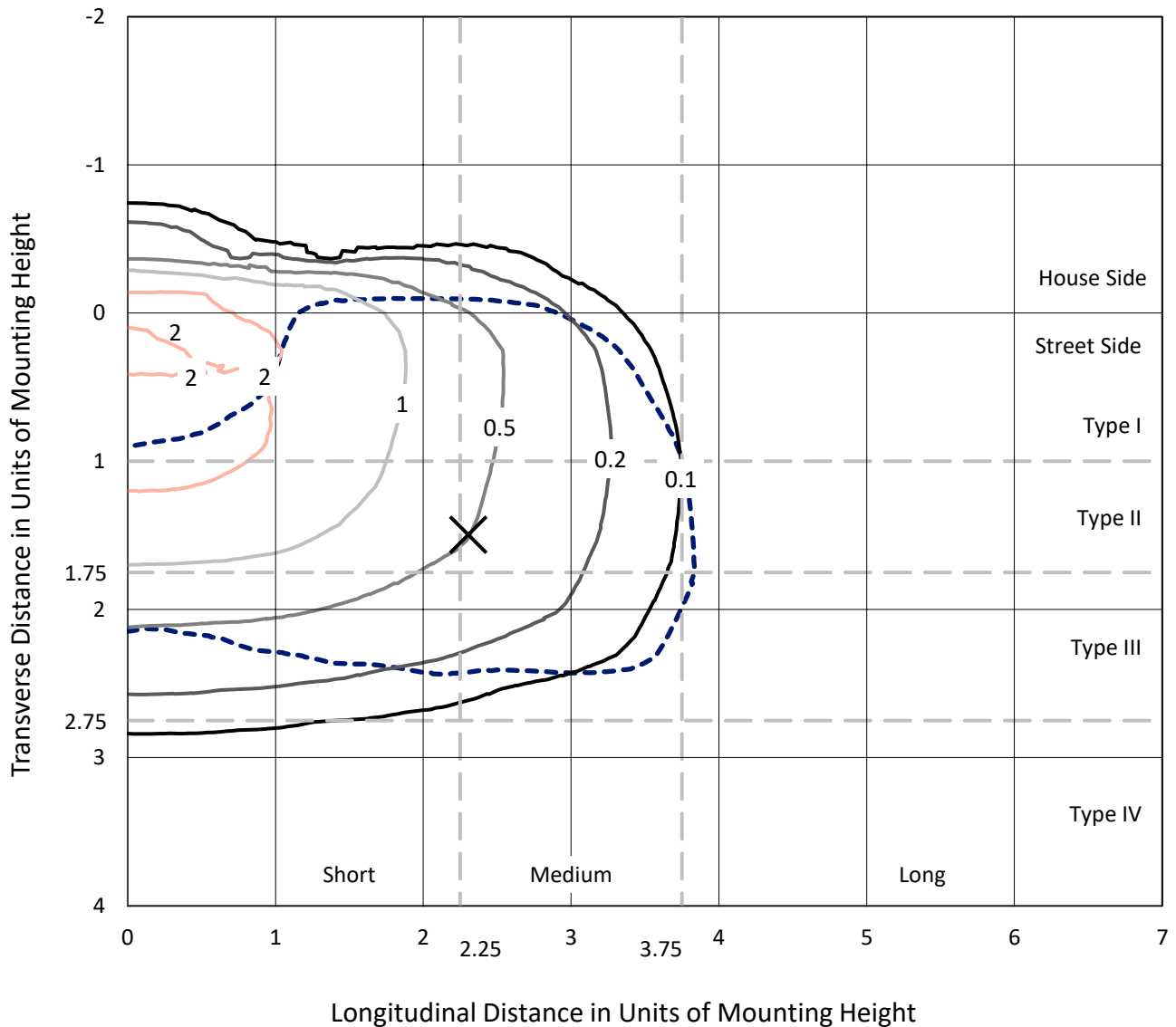
Lumens per Lamp: N/A
Luminaire Lumens: 4032.1 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): 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

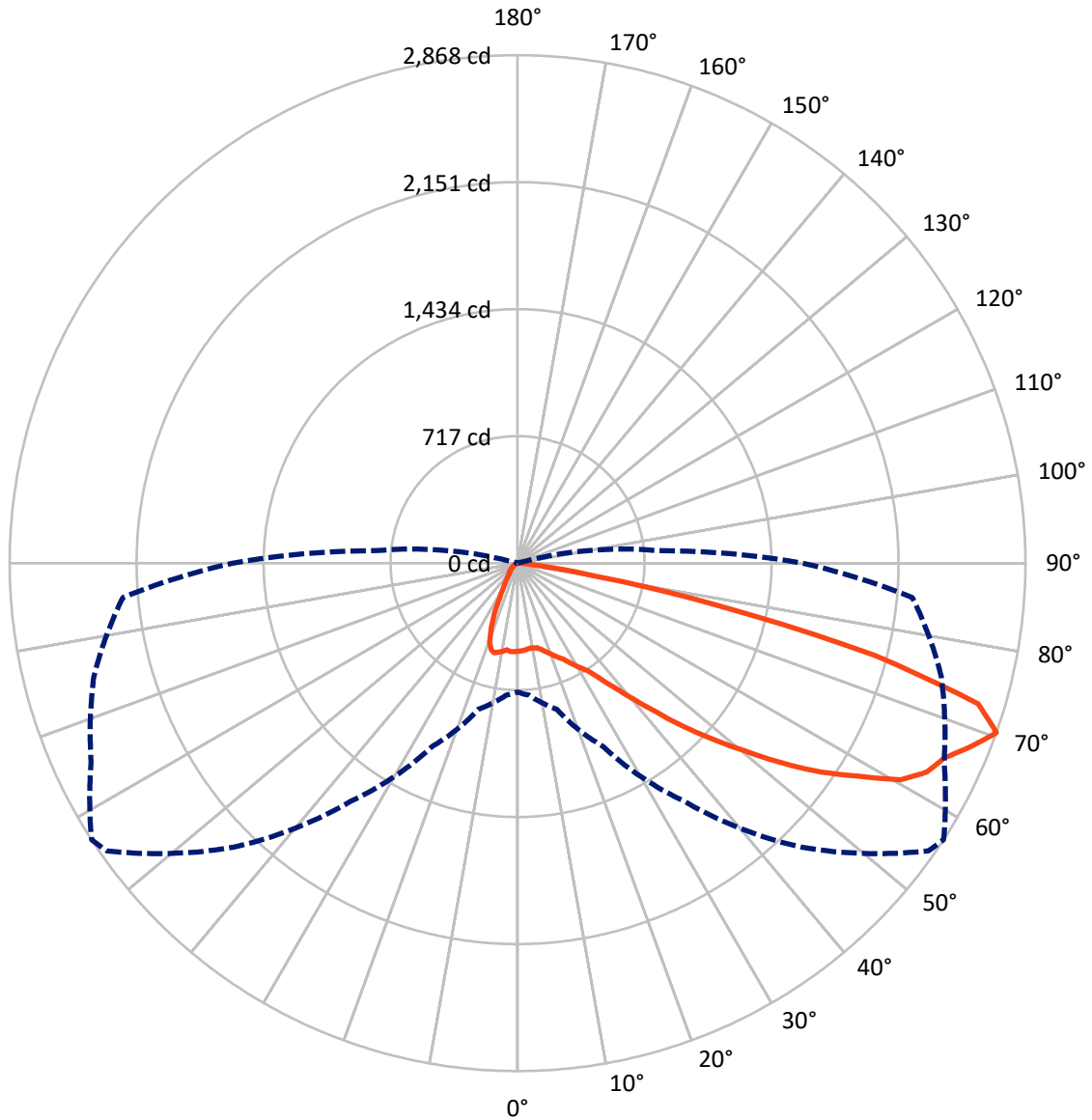
× Max cd
 - - - 1/2 Max cd



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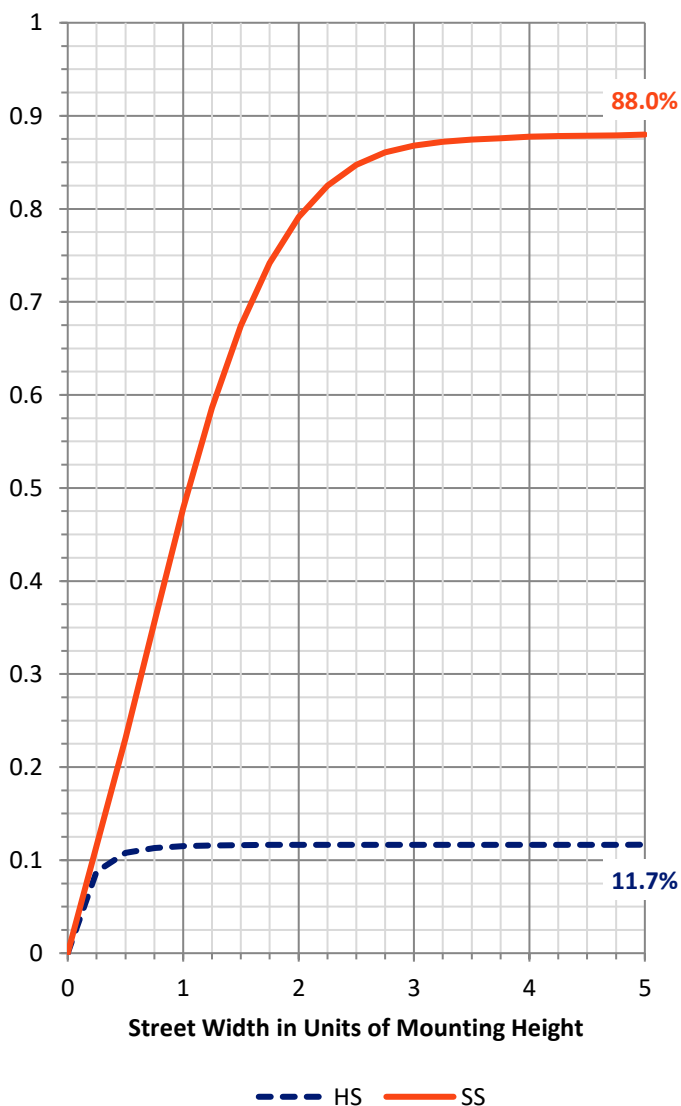
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.3	0.0	475.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3556.8	0.0	3556.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	4032.1	0.0	4032.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	1.2
10°-20°	130.0	3.2
20°-30°	219.0	5.4
30°-40°	374.7	9.3
40°-50°	629.2	15.6
50°-60°	965.8	24.0
60°-70°	1115.1	27.7
70°-80°	526.7	13.1
80°-90°	25.0	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°	4032.1	100.0
0°-180°	4032.1	100.0



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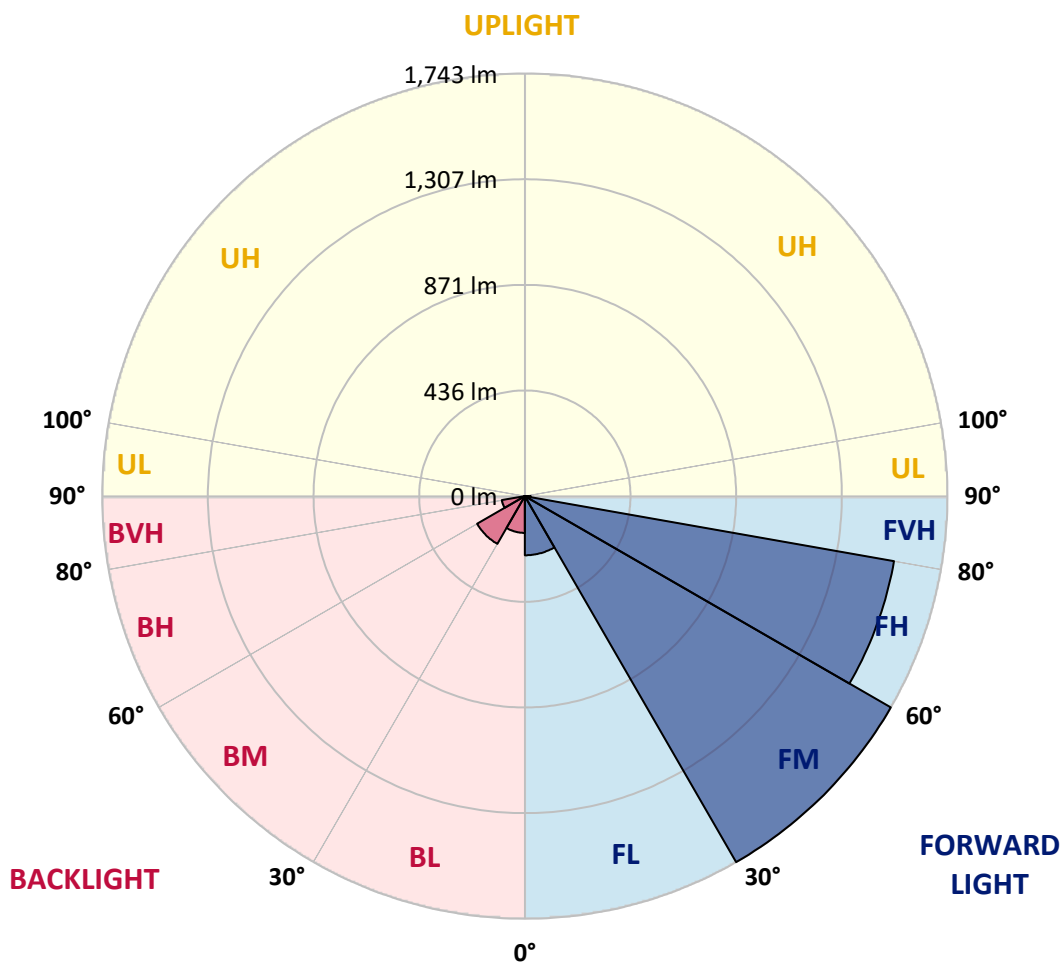
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.9	6.0			
FM (30°-60°)	1742.6	43.2			
FH (60°-80°)	1545.7	38.3			G1/1800
FVH (80°-90°)	24.5	0.6			G1/100
BL (0°-30°)	151.5	3.8	B1/500		
BM (30°-60°)	227.2	5.6	B1/1000		
BH (60°-80°)	96.1	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°	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5
2.5°	490.3	487.2	490.3	494.4	490.3	493.4	492.4	495.4	491.3	491.3	494.4
5°	458.4	463.5	465.6	470.7	475.9	485.1	491.3	491.3	497.5	500.6	504.7
7.5°	447.0	438.8	447.0	451.2	456.3	471.8	481.0	485.1	493.4	504.7	510.9
10°	430.6	436.7	436.7	450.1	457.3	466.6	483.1	486.2	504.7	516.0	522.2
12.5°	429.5	429.5	434.7	443.9	458.4	475.9	496.5	490.3	509.9	530.5	540.8
15°	432.6	439.8	439.8	452.2	463.5	488.2	505.7	506.8	534.6	555.2	564.5
17.5°	446.0	442.9	447.0	454.2	471.8	495.4	524.3	527.4	559.3	587.1	600.5
20°	473.8	479.0	472.8	468.7	475.9	506.8	543.9	550.0	586.1	612.9	626.3
22.5°	577.9	573.7	549.0	520.2	507.8	522.2	562.4	576.8	619.1	651.0	662.3
25°	695.3	688.1	659.2	616.0	559.3	553.1	599.5	599.5	660.3	695.3	692.2
27.5°	806.5	804.5	770.5	725.1	644.8	600.5	629.4	640.7	706.6	735.4	722.1
30°	919.8	921.9	891.0	836.4	751.9	676.7	671.6	680.9	741.6	786.9	759.1
32.5°	1051.7	1033.1	1011.5	936.3	859.1	774.6	726.2	722.1	780.8	822.0	784.9
35°	1169.1	1157.8	1134.1	1066.1	977.5	876.6	808.6	798.3	830.2	884.8	844.6
37.5°	1272.1	1260.8	1229.9	1184.5	1115.5	1003.3	907.5	892.0	905.4	963.1	914.7
40°	1360.7	1363.8	1355.5	1311.2	1247.4	1145.4	1035.2	1010.5	999.1	1050.6	996.0
42.5°	1424.5	1454.4	1456.5	1401.9	1350.4	1294.8	1171.2	1151.6	1124.8	1168.1	1129.9
45°	1558.4	1542.0	1552.3	1532.7	1476.0	1467.8	1327.7	1316.4	1279.3	1293.7	1253.6
47.5°	1663.5	1660.4	1680.0	1648.1	1632.6	1633.6	1505.9	1486.3	1433.8	1460.6	1415.3
50°	1724.3	1707.8	1778.9	1803.6	1800.5	1812.9	1686.2	1669.7	1619.2	1658.4	1561.5
52.5°	1738.7	1768.6	1835.5	1925.1	1963.2	1989.0	1882.9	1876.7	1822.1	1846.9	1713.0
55°	1774.8	1803.6	1842.7	1990.0	2131.1	2137.3	2076.6	2082.7	2034.3	2028.1	1857.2
57.5°	1773.7	1767.5	1875.7	2046.7	2242.4	2331.0	2298.0	2268.1	2215.6	2154.8	1949.9
60°	1708.8	1705.7	1818.0	2053.9	2303.2	2506.1	2519.5	2484.4	2352.6	2263.0	2059.0
62.5°	1580.1	1592.4	1705.7	1992.1	2360.8	2568.9	2618.4	2594.7	2430.9	2335.1	2187.8
65°	1432.8	1407.0	1538.9	1837.6	2231.1	2550.4	2657.5	2649.3	2523.6	2413.4	2306.3
67.5°	1149.5	1160.9	1261.8	1581.1	2009.6	2482.4	2749.2	2761.5	2597.8	2482.4	2342.3
70°	728.2	748.8	853.9	1142.3	1640.8	2268.1	2831.6	2867.6	2656.5	2476.2	2237.2
72.5°	212.2	220.4	363.6	569.6	1045.5	1819.0	2699.7	2718.3	2542.1	2247.5	1730.5
75°	70.0	74.2	107.1	185.4	410.0	940.4	1994.2	2081.7	2023.0	1629.5	989.9
77.5°	46.4	48.4	58.7	88.6	155.5	294.6	1069.2	1162.9	1140.3	763.3	319.3
80°	34.0	35.0	43.3	59.7	94.8	106.1	394.5	456.3	440.9	175.1	63.9
82.5°	21.6	21.6	31.9	42.2	59.7	52.5	114.3	126.7	123.6	67.0	24.7
85°	14.4	15.5	23.7	33.0	33.0	24.7	33.0	38.1	41.2	36.1	11.3
87.5°	4.1	5.2	13.4	22.7	13.4	12.4	11.3	12.4	14.4	19.6	6.2
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°	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5
2.5°	497.5	501.6	500.6	502.7	499.6	496.5	499.6	499.6	499.6	496.5	494.4
5°	501.6	499.6	501.6	497.5	501.6	497.5	495.4	489.3	488.2	488.2	492.4
7.5°	507.8	509.9	500.6	500.6	491.3	493.4	488.2	489.3	487.2	484.1	482.1
10°	517.1	525.3	516.0	513.0	502.7	494.4	482.1	475.9	475.9	471.8	475.9
12.5°	542.8	539.7	534.6	524.3	511.9	495.4	465.6	435.7	411.0	392.4	401.7
15°	563.4	562.4	555.2	535.6	519.1	468.7	393.5	316.2	275.0	256.5	253.4
17.5°	595.4	592.3	579.9	554.2	499.6	388.3	269.9	205.0	164.8	155.5	152.4
20°	625.2	624.2	597.4	564.5	450.1	283.3	176.1	134.9	123.6	124.6	122.6
22.5°	657.2	652.0	620.1	552.1	358.5	188.5	125.7	120.5	116.4	115.4	117.4
25°	693.2	674.7	642.7	524.3	263.7	129.8	118.5	114.3	110.2	109.2	109.2
27.5°	707.6	695.3	653.0	457.3	166.9	113.3	111.2	106.1	100.9	97.9	96.8
30°	740.6	720.0	663.3	359.5	118.5	104.0	100.9	94.8	87.6	82.4	82.4
32.5°	773.6	748.8	664.4	251.3	98.9	93.7	88.6	80.3	71.1	65.9	67.0
35°	814.8	780.8	653.0	162.7	88.6	82.4	72.1	62.8	54.6	50.5	50.5
37.5°	884.8	852.9	606.7	107.1	80.3	70.0	59.7	49.4	42.2	39.1	39.1
40°	973.4	932.2	542.8	84.5	71.1	59.7	47.4	38.1	34.0	30.9	30.9
42.5°	1079.5	1028.0	448.1	75.2	62.8	49.4	37.1	29.9	25.8	25.8	24.7
45°	1185.6	1101.1	351.2	69.0	55.6	41.2	28.8	23.7	21.6	20.6	20.6
47.5°	1337.0	1189.7	251.3	62.8	48.4	31.9	23.7	19.6	17.5	16.5	17.5
50°	1482.2	1273.1	178.2	56.7	40.2	25.8	19.6	17.5	15.5	14.4	14.4
52.5°	1609.9	1330.8	124.6	49.4	34.0	21.6	17.5	15.5	14.4	13.4	13.4
55°	1680.0	1311.2	85.5	42.2	27.8	18.5	15.5	13.4	12.4	11.3	11.3
57.5°	1752.1	1256.6	64.9	35.0	22.7	17.5	14.4	12.4	11.3	10.3	10.3
60°	1812.9	1216.5	50.5	27.8	18.5	14.4	12.4	10.3	9.3	8.2	7.2
62.5°	1816.0	1136.1	37.1	20.6	14.4	12.4	10.3	8.2	5.2	4.1	3.1
65°	1828.3	1051.7	26.8	15.5	10.3	9.3	7.2	4.1	2.1	0.0	0.0
67.5°	1785.1	951.8	21.6	11.3	7.2	5.2	3.1	1.0	0.0	0.0	0.0
70°	1608.9	803.4	16.5	8.2	5.2	3.1	1.0	0.0	0.0	0.0	0.0
72.5°	1151.6	522.2	11.3	6.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0
75°	613.9	222.5	8.2	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	192.6	56.7	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.2	15.5	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.0	1.0	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)