

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: P676410

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676410
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-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

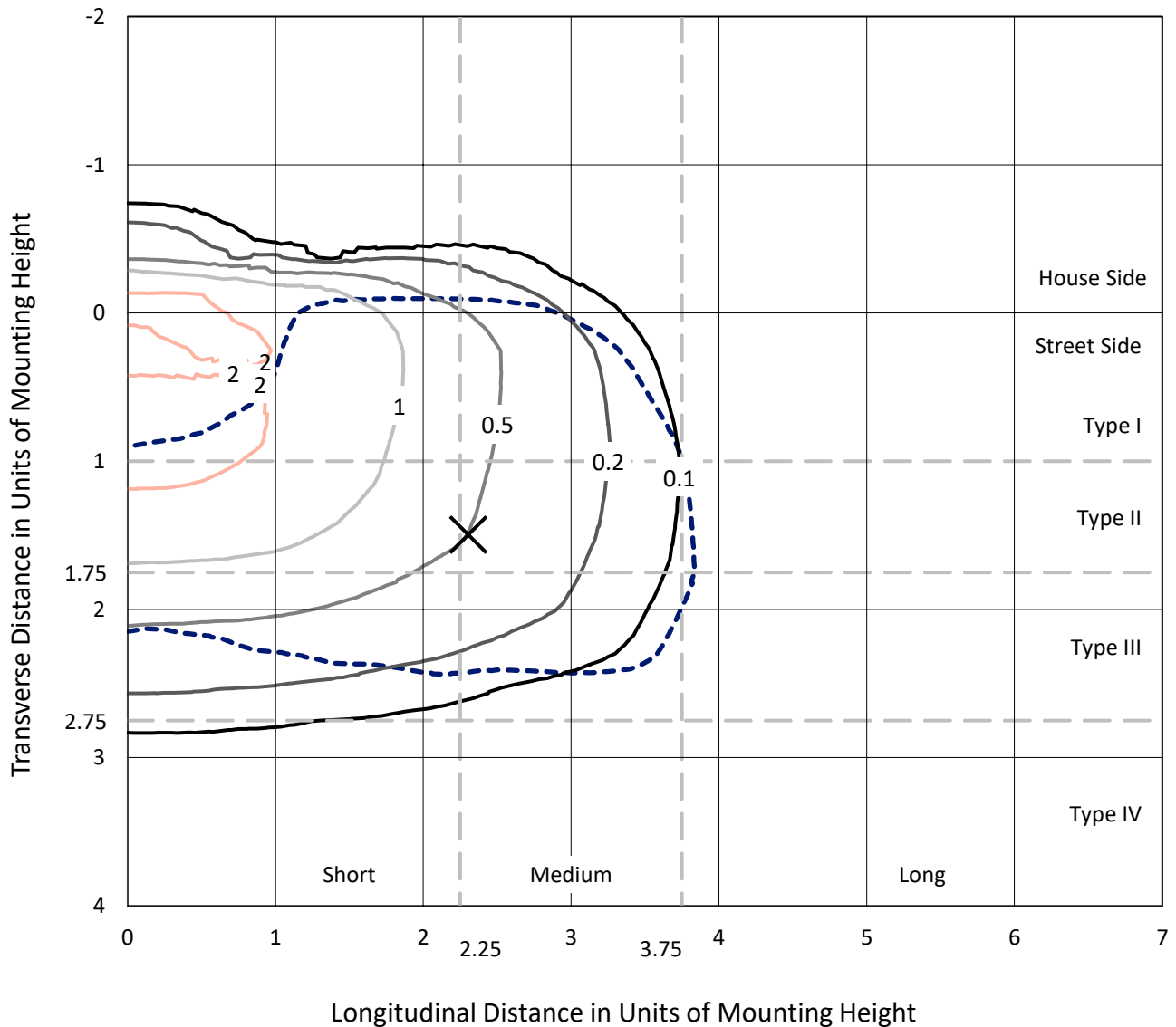
Lumens per Lamp: N/A
Luminaire Lumens: 3962.6 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

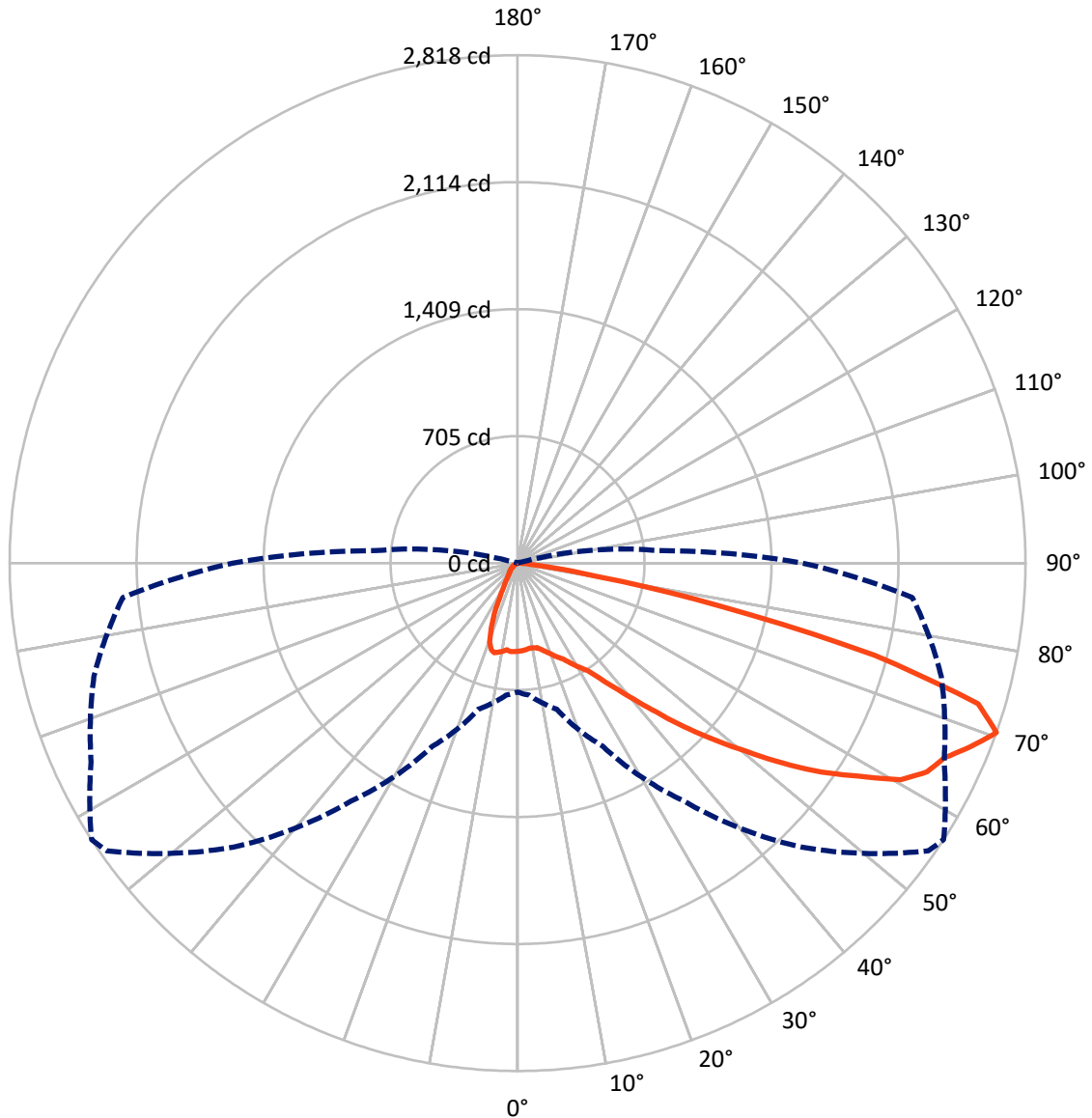
× Max cd
 - - - 1/2 Max cd



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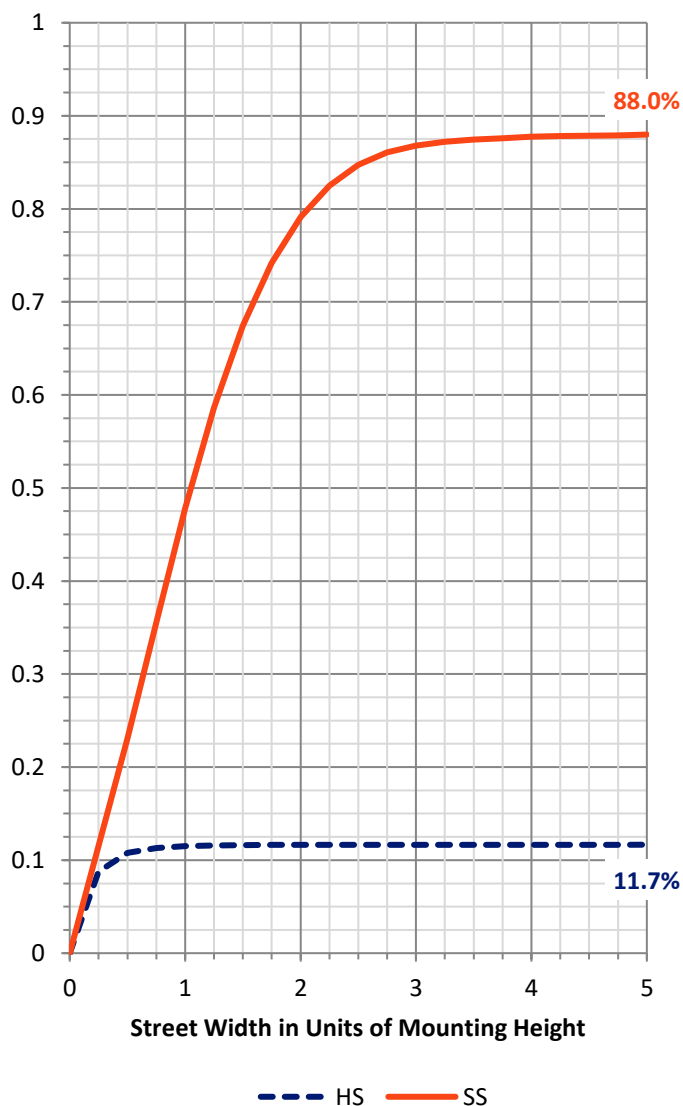
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	467.1	0.0	467.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3495.5	0.0	3495.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	3962.6	0.0	3962.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.2
10°-20°	127.7	3.2
20°-30°	215.2	5.4
30°-40°	368.3	9.3
40°-50°	618.4	15.6
50°-60°	949.2	24.0
60°-70°	1095.9	27.7
70°-80°	517.7	13.1
80°-90°	24.6	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°	3962.6	100.0
0°-180°	3962.6	100.0

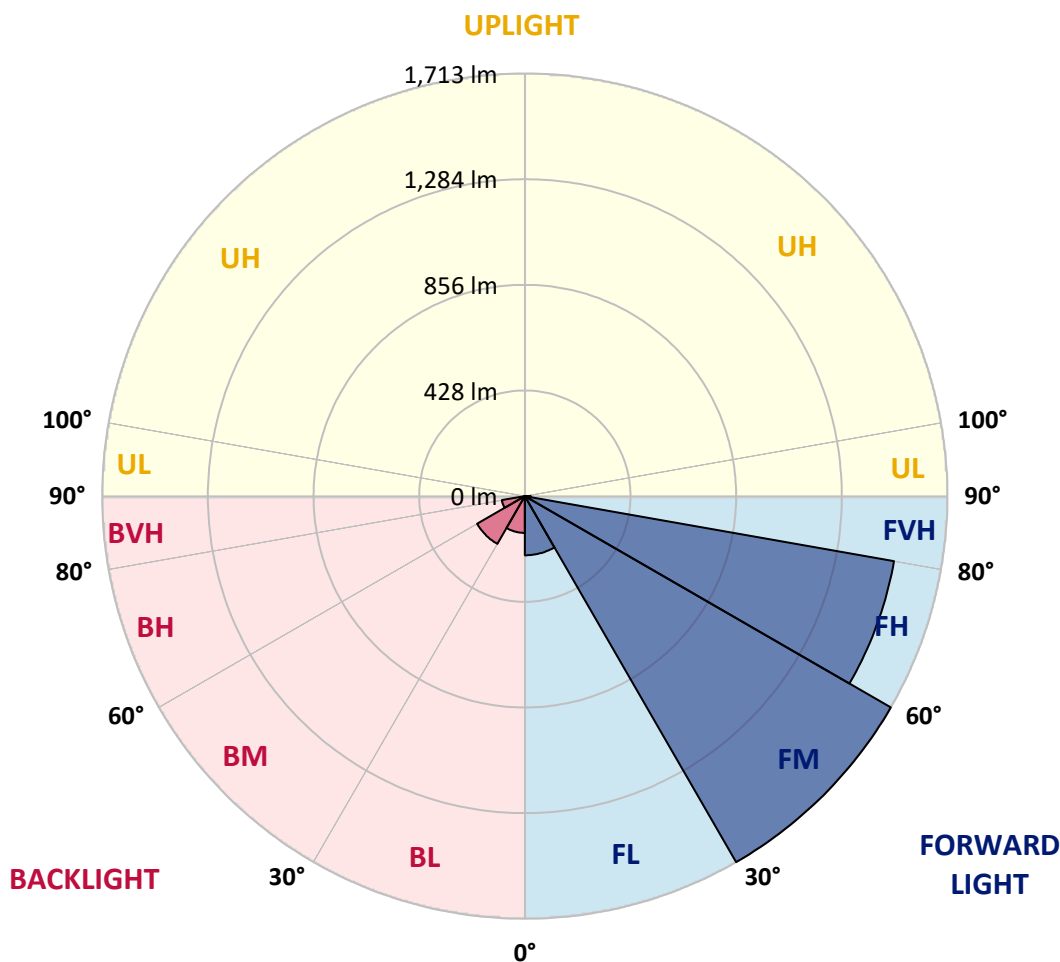


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.7	6.0			
FM (30°-60°)	1712.6	43.2			
FH (60°-80°)	1519.1	38.3			G1/1800
FVH (80°-90°)	24.1	0.6			G1/100
BL (0°-30°)	148.9	3.8	B1/500		
BM (30°-60°)	223.3	5.6	B1/1000		
BH (60°-80°)	94.5	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°	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9
2.5°	481.8	478.8	481.8	485.9	481.8	484.9	483.9	486.9	482.9	482.9	485.9
5°	450.5	455.5	457.6	462.6	467.7	476.8	482.9	482.9	488.9	492.0	496.0
7.5°	439.3	431.2	439.3	443.4	448.4	463.6	472.7	476.8	484.9	496.0	502.1
10°	423.1	429.2	429.2	442.4	449.5	458.6	474.8	477.8	496.0	507.2	513.2
12.5°	422.1	422.1	427.2	436.3	450.5	467.7	487.9	481.8	501.1	521.3	531.5
15°	425.2	432.2	432.2	444.4	455.5	479.8	497.0	498.0	525.4	545.6	554.7
17.5°	438.3	435.3	439.3	446.4	463.6	486.9	515.3	518.3	549.7	577.0	590.2
20°	465.7	470.7	464.6	460.6	467.7	498.0	534.5	540.6	576.0	602.3	615.5
22.5°	567.9	563.8	539.5	511.2	499.1	513.2	552.7	566.9	608.4	639.8	650.9
25°	683.3	676.2	647.9	605.3	549.7	543.6	589.2	589.2	648.9	683.3	680.3
27.5°	792.6	790.6	757.2	712.7	633.7	590.2	618.5	629.6	694.4	722.8	709.6
30°	904.0	906.0	875.6	822.0	739.0	665.1	660.0	669.1	728.8	773.4	746.1
32.5°	1033.5	1015.3	994.1	920.2	844.2	761.2	713.7	709.6	767.3	807.8	771.4
35°	1148.9	1137.8	1114.5	1047.7	960.7	861.5	794.6	784.5	815.9	869.6	830.1
37.5°	1250.2	1239.0	1208.7	1164.1	1096.3	986.0	891.8	876.6	889.8	946.5	898.9
40°	1337.2	1340.3	1332.2	1288.6	1225.9	1125.7	1017.3	993.1	981.9	1032.5	978.9
42.5°	1400.0	1429.4	1431.4	1377.7	1327.1	1272.4	1151.0	1131.7	1105.4	1147.9	1110.5
45°	1531.6	1515.4	1525.5	1506.3	1450.6	1442.5	1304.8	1293.7	1257.3	1271.4	1232.0
47.5°	1634.8	1631.8	1651.0	1619.7	1604.5	1605.5	1480.0	1460.7	1409.1	1435.4	1390.9
50°	1694.6	1678.4	1748.2	1772.5	1769.5	1781.6	1657.1	1640.9	1591.3	1629.8	1534.6
52.5°	1708.7	1738.1	1803.9	1892.0	1929.4	1954.7	1850.5	1844.4	1790.7	1815.0	1683.4
55°	1744.2	1772.5	1811.0	1955.7	2094.4	2100.5	2040.8	2046.8	1999.3	1993.2	1825.2
57.5°	1743.2	1737.1	1843.4	2011.4	2203.8	2290.8	2258.4	2229.1	2177.4	2117.7	1916.3
60°	1679.4	1676.3	1786.7	2018.5	2263.5	2462.9	2476.1	2441.6	2312.1	2224.0	2023.6
62.5°	1552.8	1565.0	1676.3	1957.8	2320.2	2524.6	2573.2	2550.0	2389.0	2294.9	2150.1
65°	1408.1	1382.8	1512.4	1805.9	2192.6	2506.4	2611.7	2603.6	2480.1	2371.8	2266.5
67.5°	1129.7	1140.8	1240.1	1553.9	1975.0	2439.6	2701.8	2713.9	2553.0	2439.6	2301.9
70°	715.7	735.9	839.2	1122.6	1612.6	2229.1	2782.8	2818.2	2610.7	2433.5	2198.7
72.5°	208.5	216.6	357.3	559.8	1027.5	1787.7	2653.2	2671.4	2498.3	2208.8	1700.6
75°	68.8	72.9	105.3	182.2	402.9	924.2	1959.8	2045.8	1988.1	1601.4	972.8
77.5°	45.6	47.6	57.7	87.1	152.9	289.5	1050.8	1142.9	1120.6	750.1	313.8
80°	33.4	34.4	42.5	58.7	93.1	104.3	387.7	448.4	433.3	172.1	62.8
82.5°	21.3	21.3	31.4	41.5	58.7	51.6	112.4	124.5	121.5	65.8	24.3
85°	14.2	15.2	23.3	32.4	32.4	24.3	32.4	37.5	40.5	35.4	11.1
87.5°	4.0	5.1	13.2	22.3	13.2	12.1	11.1	12.1	14.2	19.2	6.1
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°	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9
2.5°	488.9	493.0	492.0	494.0	491.0	487.9	491.0	491.0	491.0	487.9	485.9
5°	493.0	491.0	493.0	488.9	493.0	488.9	486.9	480.8	479.8	479.8	483.9
7.5°	499.1	501.1	492.0	492.0	482.9	484.9	479.8	480.8	478.8	475.8	473.8
10°	508.2	516.3	507.2	504.1	494.0	485.9	473.8	467.7	467.7	463.6	467.7
12.5°	533.5	530.4	525.4	515.3	503.1	486.9	457.6	428.2	403.9	385.7	394.8
15°	553.7	552.7	545.6	526.4	510.2	460.6	386.7	310.8	270.3	252.1	249.0
17.5°	585.1	582.1	569.9	544.6	491.0	381.6	265.2	201.4	162.0	152.9	149.8
20°	614.5	613.4	587.1	554.7	442.4	278.4	173.1	132.6	121.5	122.5	120.5
22.5°	645.8	640.8	609.4	542.6	352.3	185.2	123.5	118.4	114.4	113.4	115.4
25°	681.3	663.0	631.7	515.3	259.1	127.5	116.4	112.4	108.3	107.3	107.3
27.5°	695.4	683.3	641.8	449.5	164.0	111.4	109.3	104.3	99.2	96.2	95.2
30°	727.8	707.6	651.9	353.3	116.4	102.2	99.2	93.1	86.0	81.0	81.0
32.5°	760.2	735.9	652.9	247.0	97.2	92.1	87.1	79.0	69.8	64.8	65.8
35°	800.7	767.3	641.8	159.9	87.1	81.0	70.9	61.7	53.7	49.6	49.6
37.5°	869.6	838.2	596.2	105.3	79.0	68.8	58.7	48.6	41.5	38.5	38.5
40°	956.6	916.1	533.5	83.0	69.8	58.7	46.6	37.5	33.4	30.4	30.4
42.5°	1060.9	1010.3	440.3	73.9	61.7	48.6	36.4	29.4	25.3	25.3	24.3
45°	1165.1	1082.1	345.2	67.8	54.7	40.5	28.3	23.3	21.3	20.2	20.2
47.5°	1313.9	1169.2	247.0	61.7	47.6	31.4	23.3	19.2	17.2	16.2	17.2
50°	1456.7	1251.2	175.1	55.7	39.5	25.3	19.2	17.2	15.2	14.2	14.2
52.5°	1582.2	1307.9	122.5	48.6	33.4	21.3	17.2	15.2	14.2	13.2	13.2
55°	1651.0	1288.6	84.0	41.5	27.3	18.2	15.2	13.2	12.1	11.1	11.1
57.5°	1721.9	1235.0	63.8	34.4	22.3	17.2	14.2	12.1	11.1	10.1	10.1
60°	1781.6	1195.5	49.6	27.3	18.2	14.2	12.1	10.1	9.1	8.1	7.1
62.5°	1784.7	1116.6	36.4	20.2	14.2	12.1	10.1	8.1	5.1	4.0	3.0
65°	1796.8	1033.5	26.3	15.2	10.1	9.1	7.1	4.0	2.0	0.0	0.0
67.5°	1754.3	935.4	21.3	11.1	7.1	5.1	3.0	1.0	0.0	0.0	0.0
70°	1581.2	789.6	16.2	8.1	5.1	3.0	1.0	0.0	0.0	0.0	0.0
72.5°	1131.7	513.2	11.1	6.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	603.3	218.7	8.1	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	189.3	55.7	5.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	41.5	15.2	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	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)