

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: P671137

Luminaire Tested: **CCP-SA-1C-827-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671137
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-827-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

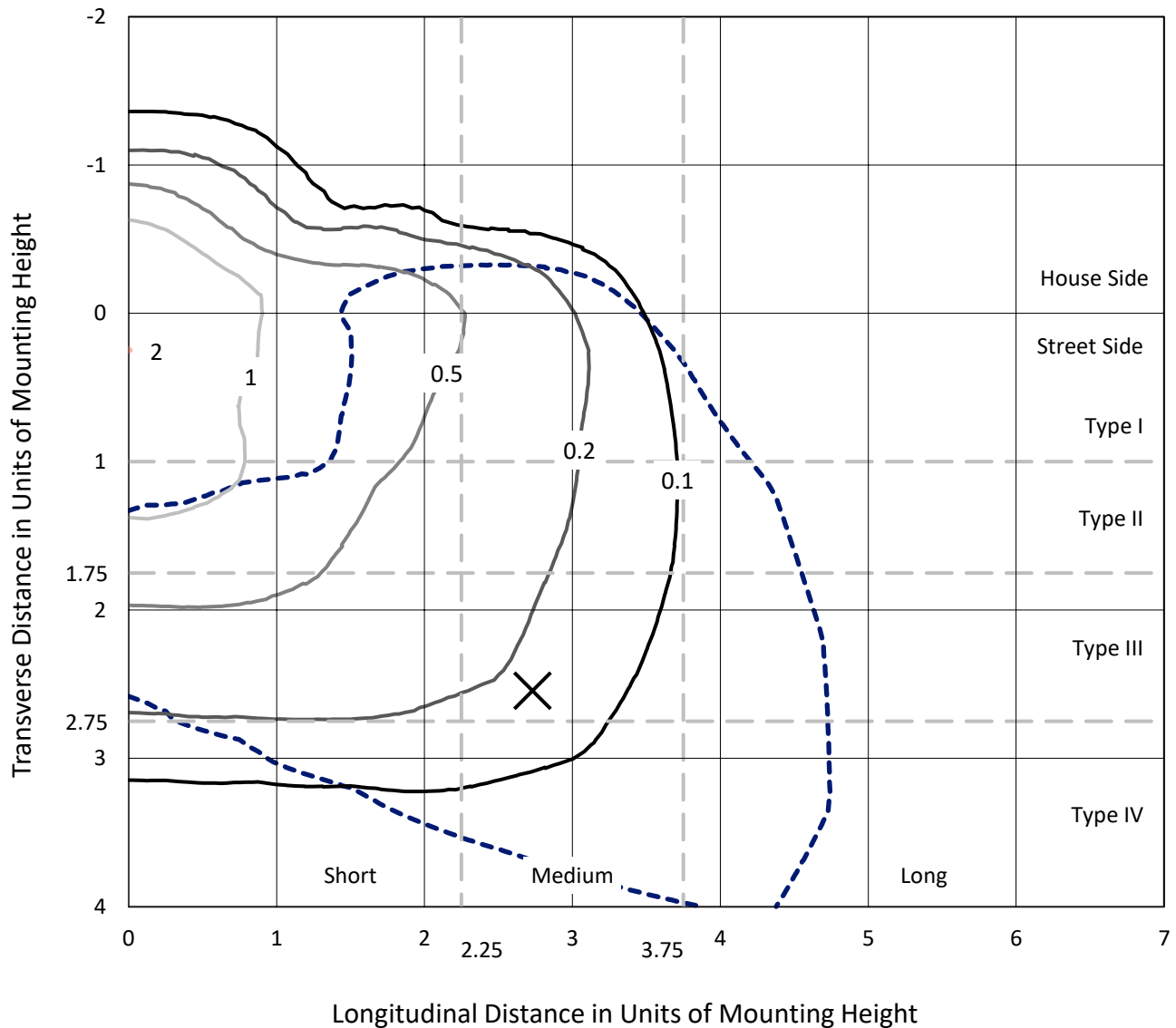
Lumens per Lamp: N/A
Luminaire Lumens: 3352.9 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

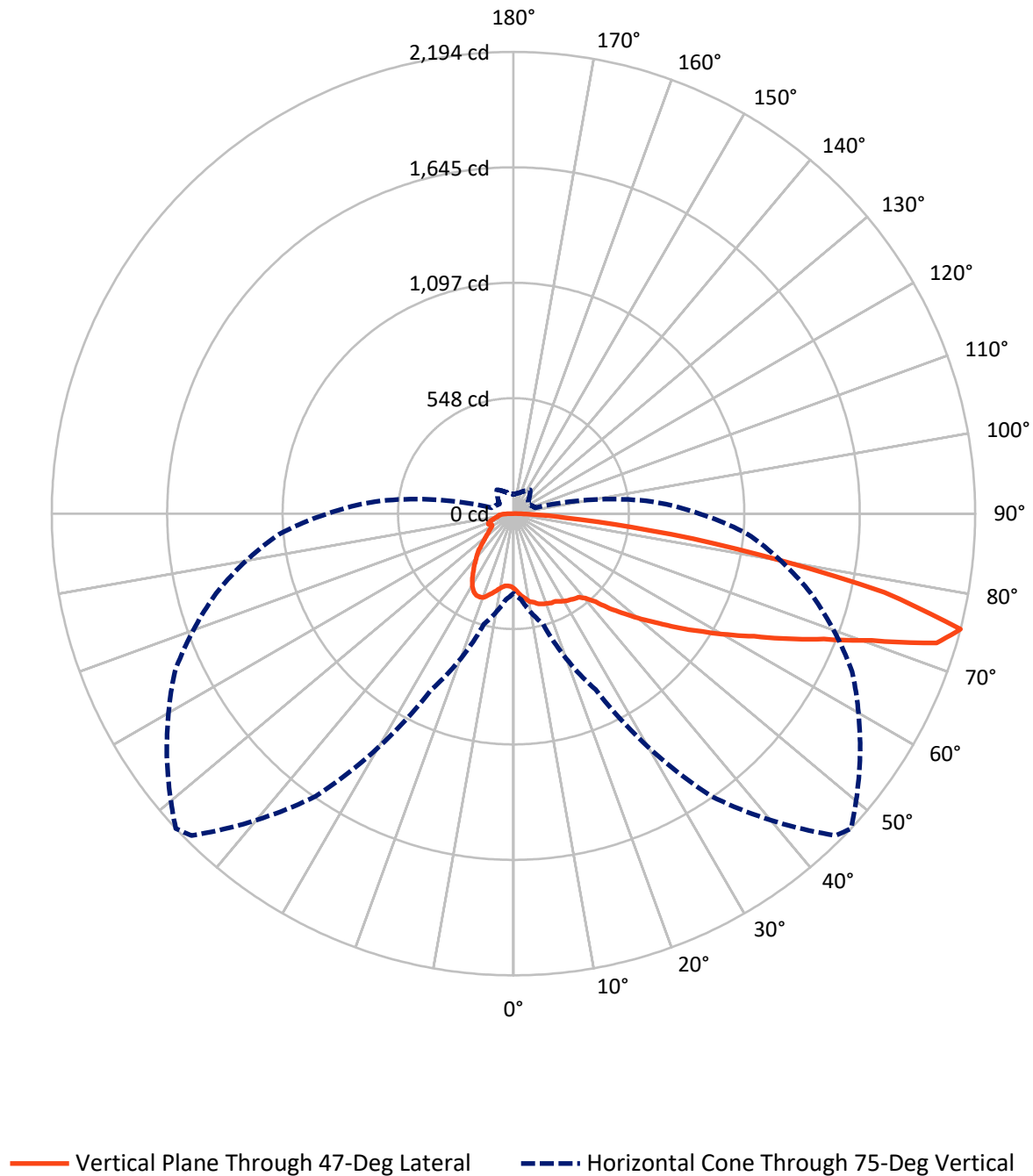
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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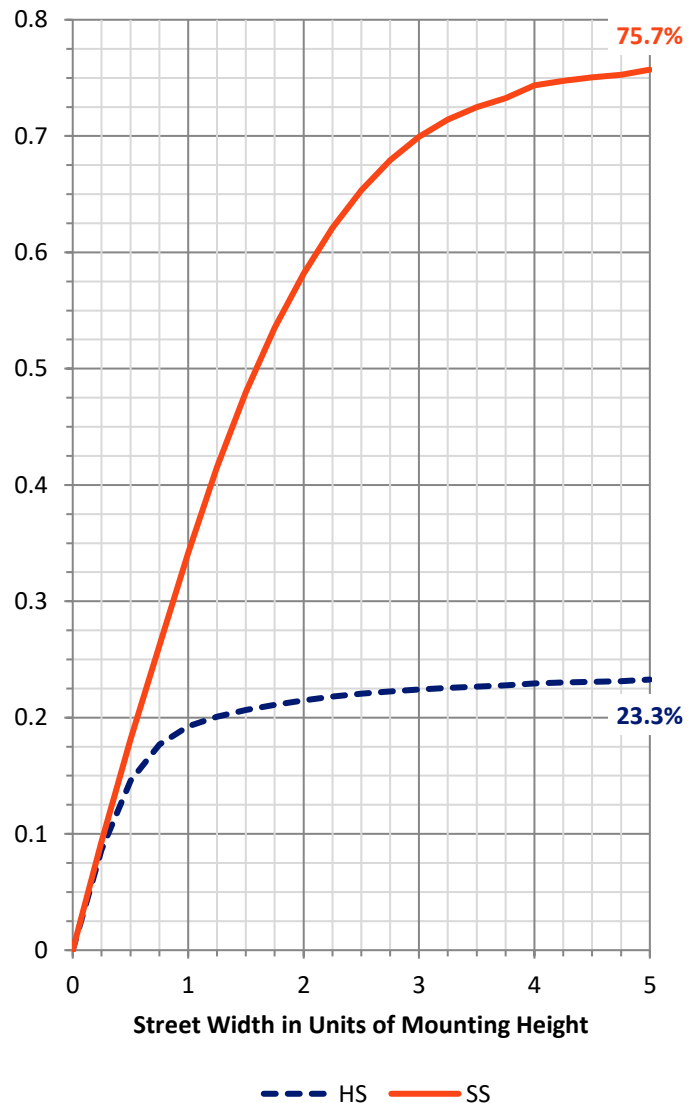
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.8	0.0	801.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2551.1	0.0	2551.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	3352.9	0.0	3352.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.1
10°-20°	119.5	3.6
20°-30°	204.7	6.1
30°-40°	286.4	8.5
40°-50°	399.4	11.9
50°-60°	596.9	17.8
60°-70°	860.6	25.7
70°-80°	732.6	21.8
80°-90°	116.7	3.5
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°	3352.9	100.0
0°-180°	3352.9	100.0



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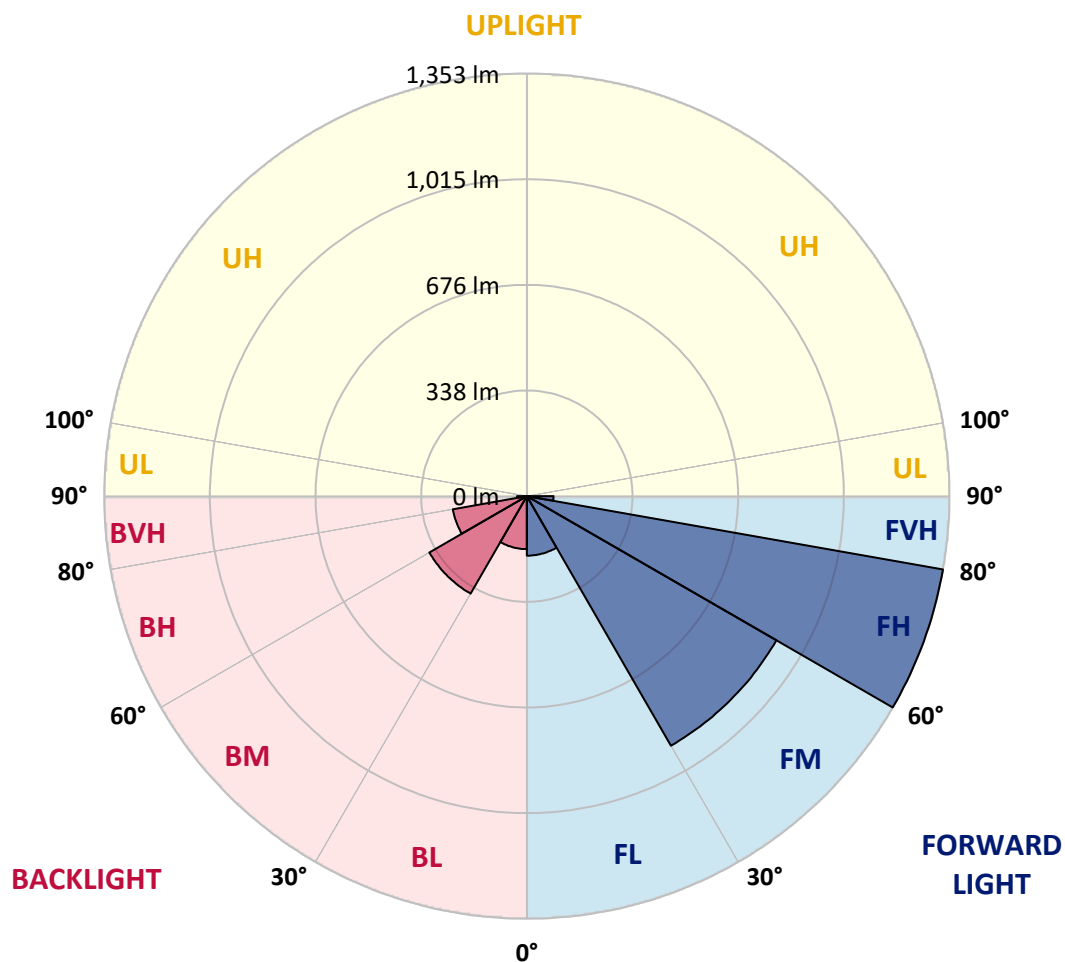
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.5	5.7			
FM	(30°-60°)	922.4	27.5			
FH	(60°-80°)	1352.7	40.3			G1/1800
FVH	(80°-90°)	85.5	2.6			G1/100
BL	(0°-30°)	169.7	5.1	B1/500		
BM	(30°-60°)	360.4	10.7	B1/1000		
BH	(60°-80°)	240.5	7.2	B1/500		G1/500
BVH	(80°-90°)	31.2	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0
2.5°	381.7	382.9	382.9	380.5	378.0	373.1	373.1	368.2	365.8	359.7	357.2
5°	417.2	413.5	409.8	408.6	402.5	393.9	392.7	387.8	374.4	368.2	359.7
7.5°	442.9	441.6	440.4	435.5	424.5	411.1	407.4	400.0	386.6	374.4	364.6
10°	463.7	468.6	463.7	452.7	441.6	427.0	425.7	412.3	400.0	385.4	373.1
12.5°	486.9	488.1	479.6	466.1	449.0	436.8	431.9	427.0	413.5	401.3	382.9
15°	502.8	500.4	494.3	475.9	456.3	444.1	445.3	439.2	424.5	416.0	396.4
17.5°	502.8	502.8	493.0	479.6	462.4	451.4	451.4	447.8	438.0	425.7	412.3
20°	493.0	493.0	486.9	479.6	460.0	457.5	455.1	452.7	452.7	441.6	422.1
22.5°	480.8	478.3	480.8	468.6	455.1	457.5	461.2	460.0	456.3	446.5	433.1
25°	468.6	469.8	472.2	463.7	451.4	462.4	461.2	467.3	464.9	457.5	446.5
27.5°	467.3	469.8	471.0	462.4	457.5	467.3	472.2	478.3	479.6	472.2	458.8
30°	485.7	484.5	483.2	472.2	468.6	477.1	482.0	490.6	497.9	482.0	471.0
32.5°	533.4	526.1	518.7	489.4	478.3	484.5	489.4	501.6	502.8	494.3	478.3
35°	609.3	604.4	579.9	528.5	497.9	491.8	496.7	505.3	507.7	501.6	489.4
37.5°	696.1	693.7	659.4	597.0	538.3	508.9	504.0	516.3	526.1	512.6	495.5
40°	781.7	772.0	747.5	686.3	589.7	534.6	528.5	534.6	538.3	528.5	517.5
42.5°	858.8	847.8	841.7	780.5	657.0	577.4	572.5	557.9	568.9	556.6	542.0
45°	923.7	921.2	918.8	866.2	734.0	647.2	643.5	605.6	617.8	608.0	587.2
47.5°	970.2	981.2	977.5	948.1	822.1	721.8	710.8	661.9	680.2	670.4	649.6
50°	1025.2	1031.3	1027.7	1008.1	904.1	807.4	786.6	736.5	757.3	756.1	745.0
52.5°	1074.1	1092.5	1071.7	1070.5	1021.5	900.4	864.9	817.2	851.5	864.9	863.7
55°	1131.6	1146.3	1140.2	1137.8	1126.7	990.9	959.1	901.6	959.1	978.7	995.8
57.5°	1180.6	1179.4	1202.6	1230.7	1244.2	1094.9	1057.0	989.7	1076.6	1098.6	1146.3
60°	1202.6	1223.4	1262.5	1333.5	1371.4	1206.3	1167.1	1113.3	1195.3	1212.4	1300.5
62.5°	1217.3	1235.6	1311.5	1431.4	1453.4	1320.0	1283.3	1229.5	1324.9	1337.2	1468.1
65°	1176.9	1194.0	1344.5	1468.1	1546.4	1442.4	1433.8	1377.5	1454.6	1462.0	1644.2
67.5°	1130.4	1148.8	1316.4	1514.6	1669.9	1605.1	1591.6	1524.3	1583.1	1574.5	1778.8
70°	1048.4	1072.9	1244.2	1554.9	1807.0	1832.6	1805.7	1710.3	1716.4	1635.7	1784.9
72.5°	798.9	814.8	973.8	1394.7	1870.6	2148.3	2101.8	1910.9	1841.2	1647.9	1575.7
75°	379.3	408.6	543.2	922.4	1639.3	2163.0	2193.5	2010.0	1775.1	1462.0	1117.0
77.5°	110.1	110.1	165.2	391.5	1027.7	1743.3	1800.8	1706.6	1464.4	1082.7	587.2
80°	59.9	63.6	86.9	138.2	451.4	1099.8	1183.0	1131.6	862.5	428.2	151.7
82.5°	34.3	35.5	57.5	83.2	205.5	598.2	647.2	587.2	327.9	129.7	71.0
85°	19.6	20.8	33.0	55.1	122.3	220.2	239.8	208.0	132.1	86.9	35.5
87.5°	9.8	9.8	15.9	25.7	62.4	62.4	61.2	74.6	79.5	52.6	15.9
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°	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0	356.0
2.5°	356.0	354.8	354.8	349.9	348.7	345.0	345.0	342.6	341.3	345.0	345.0
5°	357.2	351.1	349.9	345.0	346.2	343.8	348.7	346.2	345.0	345.0	343.8
7.5°	359.7	353.6	348.7	345.0	343.8	347.4	353.6	353.6	360.9	357.2	357.2
10°	365.8	362.1	356.0	353.6	353.6	357.2	364.6	369.5	375.6	375.6	371.9
12.5°	380.5	374.4	367.0	363.3	368.2	371.9	379.3	384.1	391.5	393.9	391.5
15°	391.5	385.4	382.9	380.5	384.1	389.0	395.2	400.0	408.6	411.1	409.8
17.5°	406.2	398.8	397.6	398.8	401.3	404.9	408.6	412.3	418.4	418.4	418.4
20°	413.5	411.1	409.8	413.5	418.4	423.3	420.8	418.4	417.2	419.6	418.4
22.5°	427.0	424.5	425.7	429.4	429.4	427.0	423.3	414.7	412.3	414.7	412.3
25°	439.2	436.8	436.8	434.3	433.1	424.5	417.2	409.8	401.3	404.9	403.7
27.5°	451.4	450.2	450.2	440.4	428.2	413.5	403.7	395.2	390.3	396.4	392.7
30°	466.1	467.3	461.2	438.0	408.6	392.7	381.7	380.5	379.3	382.9	381.7
32.5°	479.6	480.8	471.0	434.3	393.9	363.3	352.3	353.6	359.7	365.8	371.9
35°	486.9	493.0	480.8	422.1	364.6	330.3	318.1	329.1	340.1	348.7	354.8
37.5°	500.4	516.3	495.5	408.6	338.9	301.0	292.4	296.1	309.5	323.0	329.1
40°	519.9	538.3	499.1	382.9	304.6	271.6	266.7	267.9	272.8	281.4	287.5
42.5°	554.2	573.8	502.8	349.9	270.4	253.2	239.8	236.1	232.4	232.4	231.2
45°	604.4	622.7	497.9	308.3	236.1	223.9	214.1	205.5	195.7	179.8	182.3
47.5°	677.8	692.4	501.6	271.6	204.3	194.5	187.2	177.4	162.7	145.6	144.4
50°	789.1	767.1	496.7	233.7	181.1	172.5	166.4	152.9	135.8	123.6	122.3
52.5°	918.8	874.7	491.8	201.9	161.5	154.1	149.3	134.6	118.7	112.6	111.3
55°	1075.4	1011.7	499.1	173.7	146.8	140.7	135.8	122.3	110.1	105.2	104.0
57.5°	1260.1	1159.8	539.5	151.7	130.9	128.5	127.2	116.2	105.2	101.5	100.3
60°	1433.8	1301.7	566.4	135.8	116.2	118.7	121.1	116.2	104.0	101.5	101.5
62.5°	1579.4	1419.1	523.6	122.3	108.9	116.2	127.2	123.6	118.7	121.1	118.7
65°	1707.9	1459.5	391.5	115.0	105.2	122.3	140.7	139.5	128.5	130.9	129.7
67.5°	1729.9	1410.6	255.7	108.9	102.8	134.6	157.8	143.1	121.1	121.1	117.4
70°	1638.1	1279.7	171.3	102.8	101.5	134.6	161.5	134.6	113.8	113.8	108.9
72.5°	1344.5	1022.8	132.1	96.6	93.0	119.9	152.9	127.2	106.4	104.0	95.4
75°	883.3	659.4	107.7	91.8	80.7	105.2	138.2	117.4	101.5	94.2	90.5
77.5°	433.1	296.1	90.5	80.7	69.7	91.8	126.0	111.3	95.4	88.1	85.6
80°	118.7	106.4	75.9	71.0	58.7	79.5	118.7	106.4	89.3	82.0	78.3
82.5°	67.3	66.1	61.2	57.5	48.9	79.5	119.9	106.4	84.4	83.2	71.0
85°	36.7	39.1	44.0	42.8	37.9	71.0	113.8	93.0	68.5	57.5	57.5
87.5°	14.7	18.4	22.0	24.5	25.7	52.6	85.6	71.0	52.6	44.0	44.0
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)