

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: P675467

Luminaire Tested: **CCW-SA-1C-835-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675467
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-835-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

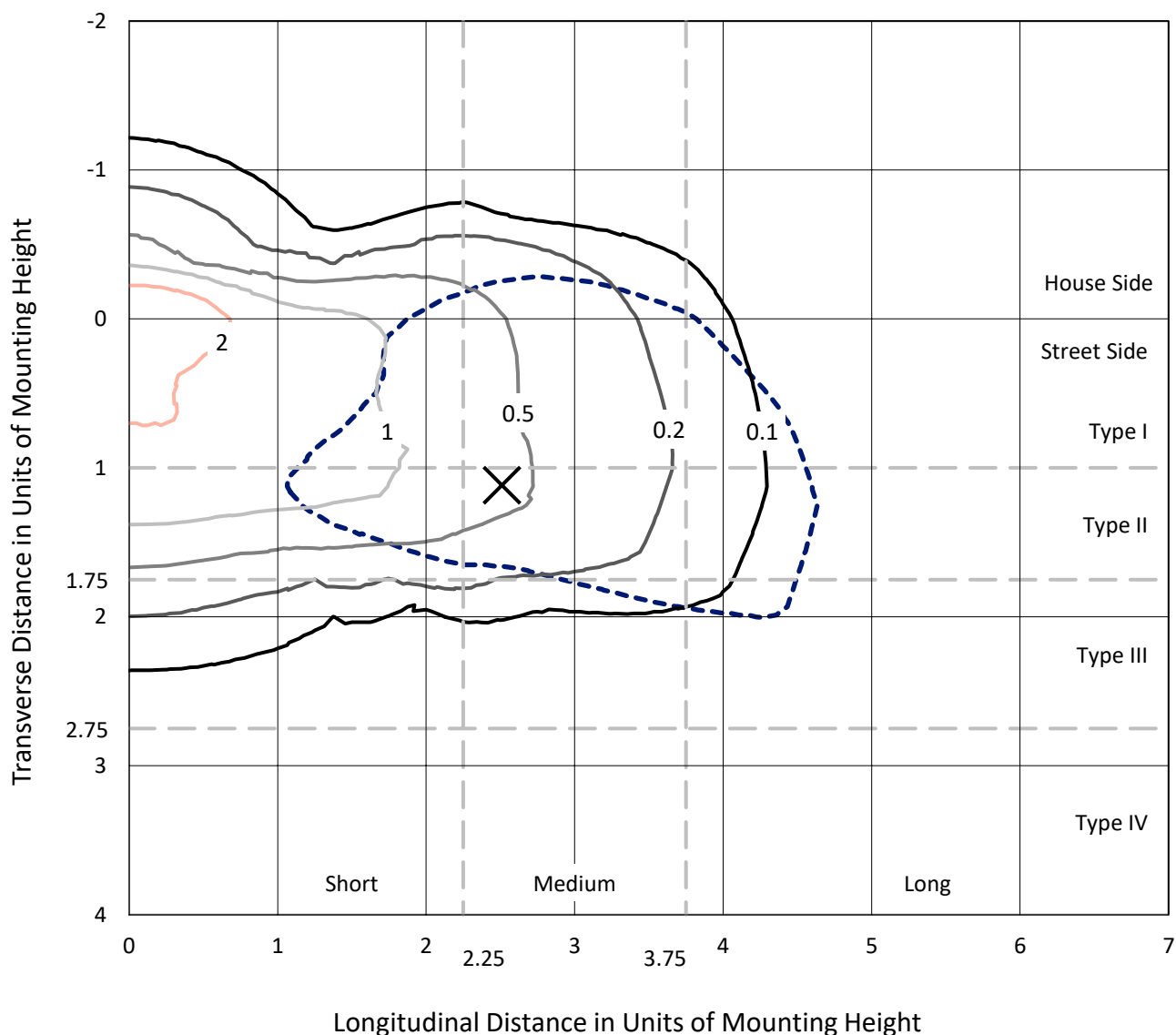
Lumens per Lamp: N/A
Luminaire Lumens: 3687.1 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

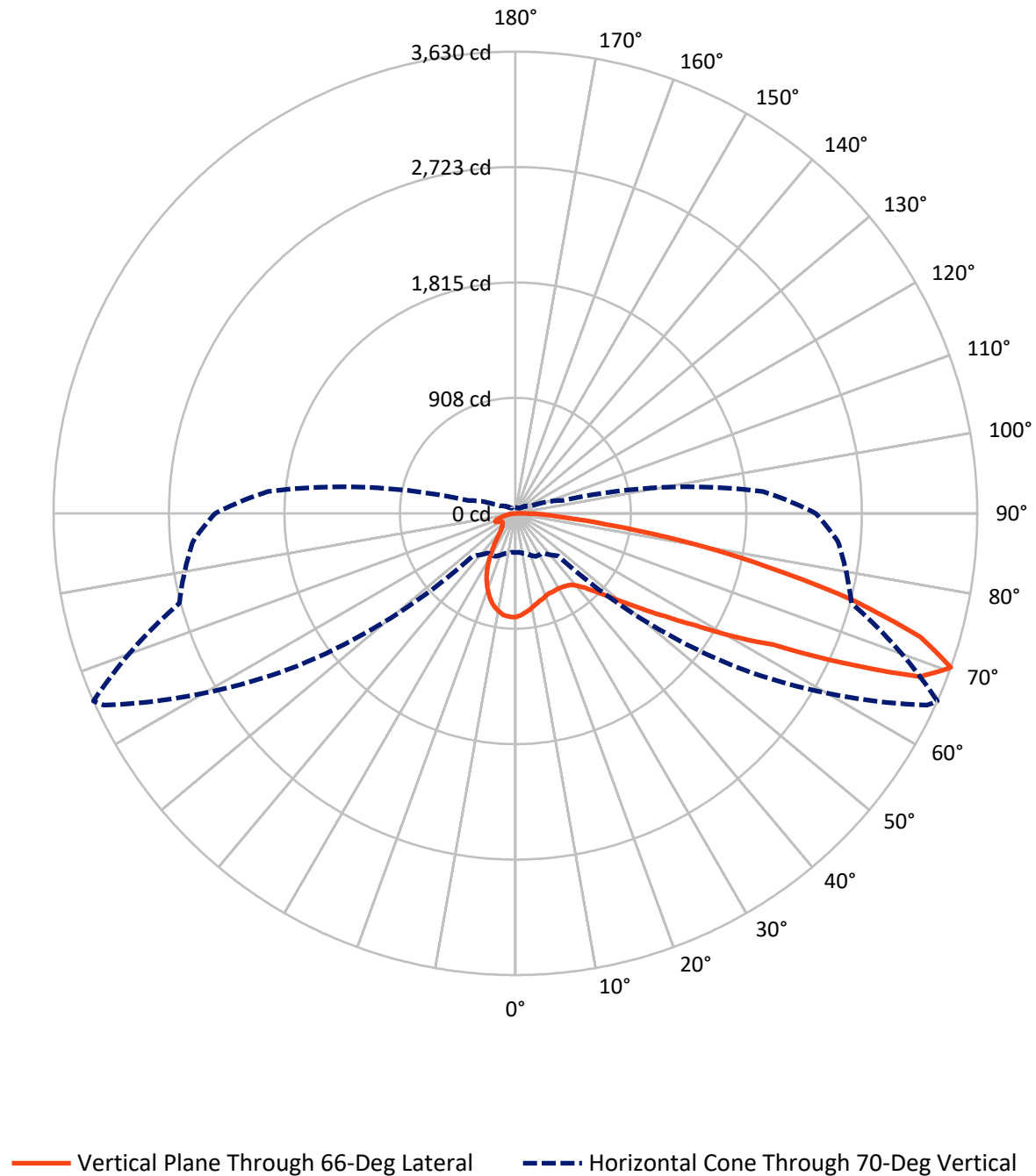
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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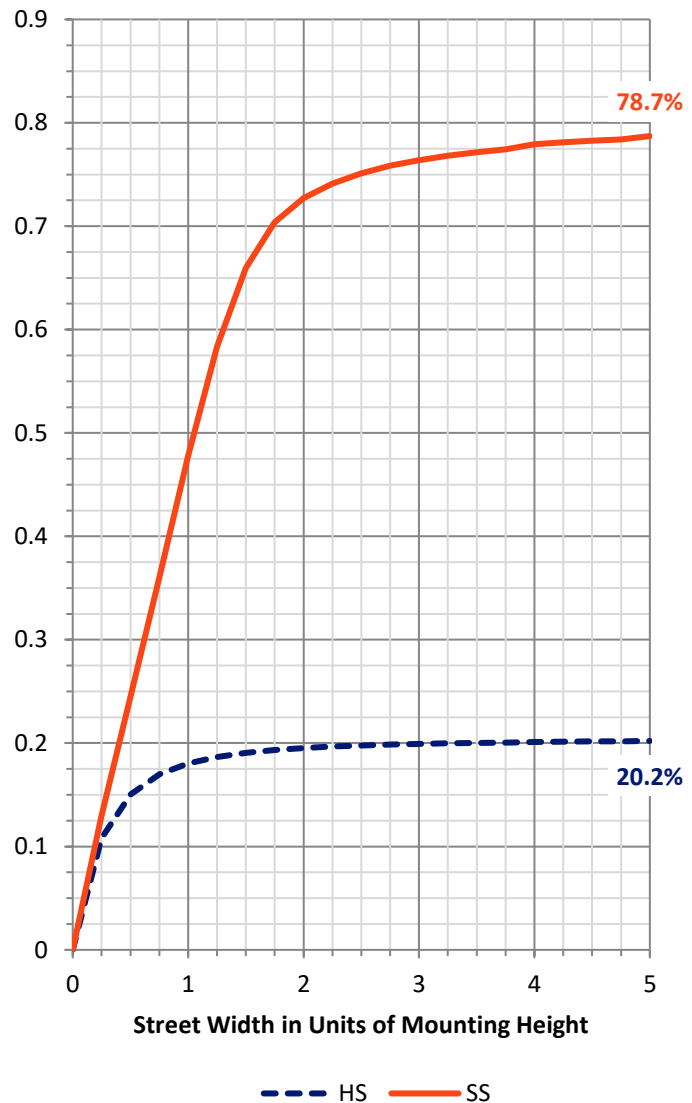
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.7	0.0	754.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2932.4	0.0	2932.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	3687.1	0.0	3687.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	2.0
10°-20°	177.3	4.8
20°-30°	243.5	6.6
30°-40°	326.5	8.9
40°-50°	473.7	12.8
50°-60°	720.1	19.5
60°-70°	889.3	24.1
70°-80°	661.3	17.9
80°-90°	123.4	3.3
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°	3687.1	100.0
0°-180°	3687.1	100.0

Coefficient of Utilization



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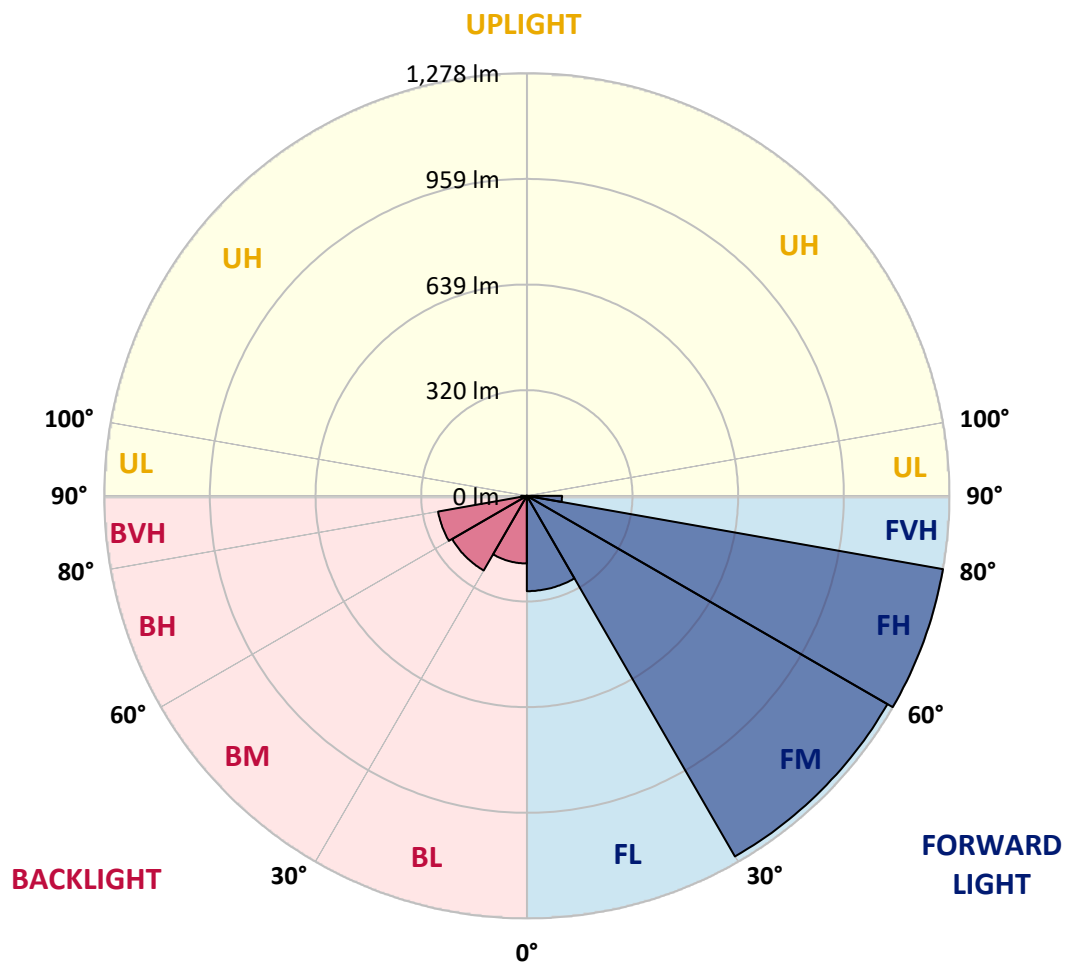
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.3	7.8			
FM	(30°-60°)	1259.6	34.2			
FH	(60°-80°)	1278.2	34.7			G1/1800
FVH	(80°-90°)	106.3	2.9			G2/225
BL	(0°-30°)	204.5	5.5	B1/500		
BM	(30°-60°)	260.7	7.1	B1/1000		
BH	(60°-80°)	272.4	7.4	B1/500		G1/500
BVH	(80°-90°)	17.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6
2.5°	774.8	778.9	780.3	783.1	789.9	795.4	803.6	807.7	803.6	809.1	809.1
5°	721.3	715.9	729.6	735.1	743.3	754.3	773.5	788.5	784.4	800.9	814.6
7.5°	676.1	676.1	680.2	692.5	702.1	718.6	739.2	762.5	769.3	791.3	811.9
10°	634.9	640.4	640.4	659.6	665.1	684.3	718.6	747.4	748.8	785.8	814.6
12.5°	613.0	610.3	624.0	629.5	645.9	665.1	692.5	728.2	729.6	769.3	809.1
15°	595.2	597.9	604.8	618.5	633.6	648.7	674.7	707.6	714.5	761.1	806.4
17.5°	596.5	597.9	597.9	607.5	619.9	637.7	662.4	700.8	704.9	750.1	802.3
20°	604.8	599.3	603.4	607.5	615.7	632.2	652.8	685.7	689.8	748.8	811.9
22.5°	622.6	618.5	617.1	615.7	614.4	624.0	650.0	677.5	681.6	741.9	816.0
25°	651.4	650.0	640.4	630.8	624.0	624.0	644.5	684.3	682.9	741.9	818.7
27.5°	685.7	685.7	684.3	666.5	645.9	634.9	648.7	681.6	680.2	741.9	825.6
30°	732.3	732.3	728.2	711.7	674.7	643.2	651.4	678.8	682.9	736.4	820.1
32.5°	783.1	781.7	785.8	770.7	732.3	681.6	667.9	684.3	688.4	741.9	821.5
35°	820.1	828.3	842.0	828.3	789.9	721.3	691.2	695.3	698.0	743.3	826.9
37.5°	862.6	872.2	891.4	902.4	861.2	781.7	728.2	713.1	713.1	761.1	828.3
40°	924.3	914.7	947.6	966.8	950.4	855.7	785.8	746.0	747.4	784.4	846.1
42.5°	969.6	979.2	1013.4	1047.7	1027.2	946.2	848.9	799.5	799.5	818.7	873.6
45°	1020.3	1031.3	1079.3	1120.4	1135.5	1054.6	935.3	876.3	873.6	885.9	922.9
47.5°	1076.5	1091.6	1146.5	1194.5	1234.2	1167.0	1046.4	969.6	968.2	977.8	1005.2
50°	1141.0	1146.5	1191.7	1279.5	1359.0	1316.5	1182.1	1101.2	1094.4	1098.5	1135.5
52.5°	1160.2	1156.1	1208.2	1302.8	1448.2	1498.9	1367.3	1250.7	1248.0	1238.4	1286.3
55°	1090.2	1104.0	1154.7	1275.4	1520.9	1714.2	1570.2	1455.0	1430.3	1404.3	1461.9
57.5°	950.4	951.7	1009.3	1152.0	1464.6	1892.5	1914.4	1655.2	1656.6	1586.7	1652.5
60°	739.2	735.1	780.3	909.2	1304.2	1947.4	2290.2	1974.8	1961.1	1769.1	1829.4
62.5°	533.5	525.2	534.8	610.3	975.0	1863.7	2659.1	2332.7	2275.1	1955.6	2002.2
65°	438.8	443.0	447.1	451.2	547.2	1537.3	2772.9	2916.9	2840.1	2173.6	2192.8
67.5°	363.4	366.2	384.0	408.7	405.9	907.8	2641.3	3457.2	3428.4	2443.8	2357.4
70°	308.6	307.2	327.8	373.0	379.9	471.8	2091.3	3568.3	3630.0	2734.5	2543.9
72.5°	246.8	249.6	267.4	327.8	373.0	397.7	1204.1	3329.7	3328.3	2958.1	2443.8
75°	176.9	176.9	201.6	271.5	360.7	393.6	666.5	2703.0	2753.7	2779.8	2120.1
77.5°	116.6	122.1	141.3	203.0	338.7	385.4	422.4	1965.2	2028.3	2079.0	1622.3
80°	79.5	82.3	94.6	141.3	286.6	388.1	345.6	1322.0	1346.7	1147.8	658.3
82.5°	48.0	49.4	63.1	98.7	205.7	368.9	325.0	729.6	714.5	347.0	189.2
85°	26.1	27.4	39.8	65.8	135.8	322.3	319.5	357.9	333.2	127.5	79.5
87.5°	9.6	9.6	17.8	32.9	78.2	220.8	278.4	212.6	198.8	64.5	37.0
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°	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6
2.5°	816.0	816.0	816.0	816.0	814.6	809.1	813.2	811.9	803.6	805.0	799.5
5°	813.2	820.1	816.0	810.5	803.6	787.2	781.7	777.6	766.6	762.5	766.6
7.5°	820.1	814.6	811.9	802.3	774.8	759.7	740.5	717.2	700.8	696.7	700.8
10°	818.7	818.7	806.4	778.9	752.9	709.0	684.3	643.2	619.9	613.0	614.4
12.5°	813.2	817.3	798.1	754.3	704.9	651.4	606.1	562.3	521.1	504.7	501.9
15°	818.7	814.6	780.3	724.1	655.5	581.5	515.6	451.2	412.8	388.1	382.6
17.5°	810.5	806.4	757.0	682.9	591.1	496.4	414.2	344.2	305.8	296.2	296.2
20°	820.1	794.0	729.6	633.6	523.9	403.2	309.9	257.8	248.2	248.2	251.0
22.5°	818.7	791.3	706.3	585.6	443.0	304.4	230.4	215.3	216.7	227.6	226.3
25°	810.5	785.8	673.3	532.1	357.9	229.0	190.6	186.5	196.1	208.4	207.1
27.5°	809.1	770.7	643.2	469.0	272.9	181.0	165.9	165.9	175.5	186.5	185.1
30°	800.9	758.4	606.1	397.7	205.7	157.7	152.2	152.2	156.3	161.8	161.8
32.5°	799.5	741.9	565.0	323.6	164.6	142.6	139.9	141.3	141.3	144.0	142.6
35°	788.5	720.0	522.5	251.0	142.6	134.4	131.7	130.3	130.3	128.9	128.9
37.5°	784.4	706.3	478.6	194.7	133.0	127.5	124.8	120.7	119.3	119.3	117.9
40°	788.5	692.5	436.1	157.7	124.8	122.1	117.9	112.5	111.1	111.1	111.1
42.5°	803.6	691.2	392.2	137.1	120.7	116.6	111.1	105.6	104.2	105.6	104.2
45°	837.9	702.1	349.7	127.5	115.2	111.1	104.2	100.1	98.7	100.1	100.1
47.5°	894.1	732.3	311.3	122.1	111.1	105.6	98.7	94.6	94.6	94.6	94.6
50°	987.4	789.9	274.3	117.9	108.3	101.5	94.6	89.1	87.8	87.8	89.1
52.5°	1127.3	888.7	244.1	115.2	104.2	96.0	89.1	85.0	82.3	80.9	82.3
55°	1295.9	1032.6	234.5	112.5	98.7	91.9	85.0	79.5	76.8	76.8	75.4
57.5°	1477.0	1191.7	251.0	109.7	94.6	86.4	79.5	74.1	71.3	69.9	69.9
60°	1673.1	1379.6	311.3	108.3	90.5	80.9	74.1	69.9	65.8	64.5	64.5
62.5°	1851.4	1549.7	419.6	107.0	87.8	75.4	68.6	63.1	60.3	59.0	59.0
65°	2054.3	1738.9	525.2	112.5	86.4	71.3	63.1	57.6	54.9	53.5	53.5
67.5°	2231.2	1903.5	586.9	126.2	90.5	65.8	56.2	52.1	50.7	49.4	49.4
70°	2360.1	1954.2	393.6	138.5	97.4	61.7	50.7	48.0	45.3	45.3	45.3
72.5°	2187.3	1744.4	233.1	130.3	91.9	57.6	45.3	42.5	41.1	41.1	39.8
75°	1870.6	1485.2	179.7	105.6	74.1	49.4	39.8	37.0	35.7	35.7	34.3
77.5°	1381.0	1064.2	133.0	83.7	57.6	39.8	34.3	32.9	31.5	30.2	30.2
80°	540.3	466.3	90.5	61.7	42.5	31.5	28.8	27.4	26.1	24.7	24.7
82.5°	167.3	141.3	52.1	41.1	30.2	24.7	23.3	21.9	20.6	19.2	19.2
85°	72.7	69.9	34.3	26.1	20.6	16.5	16.5	15.1	13.7	12.3	12.3
87.5°	35.7	34.3	19.2	12.3	11.0	8.2	8.2	6.9	5.5	5.5	5.5
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)