

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: P675456

Luminaire Tested: **CCW-SA-1C-830-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675456
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-830-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

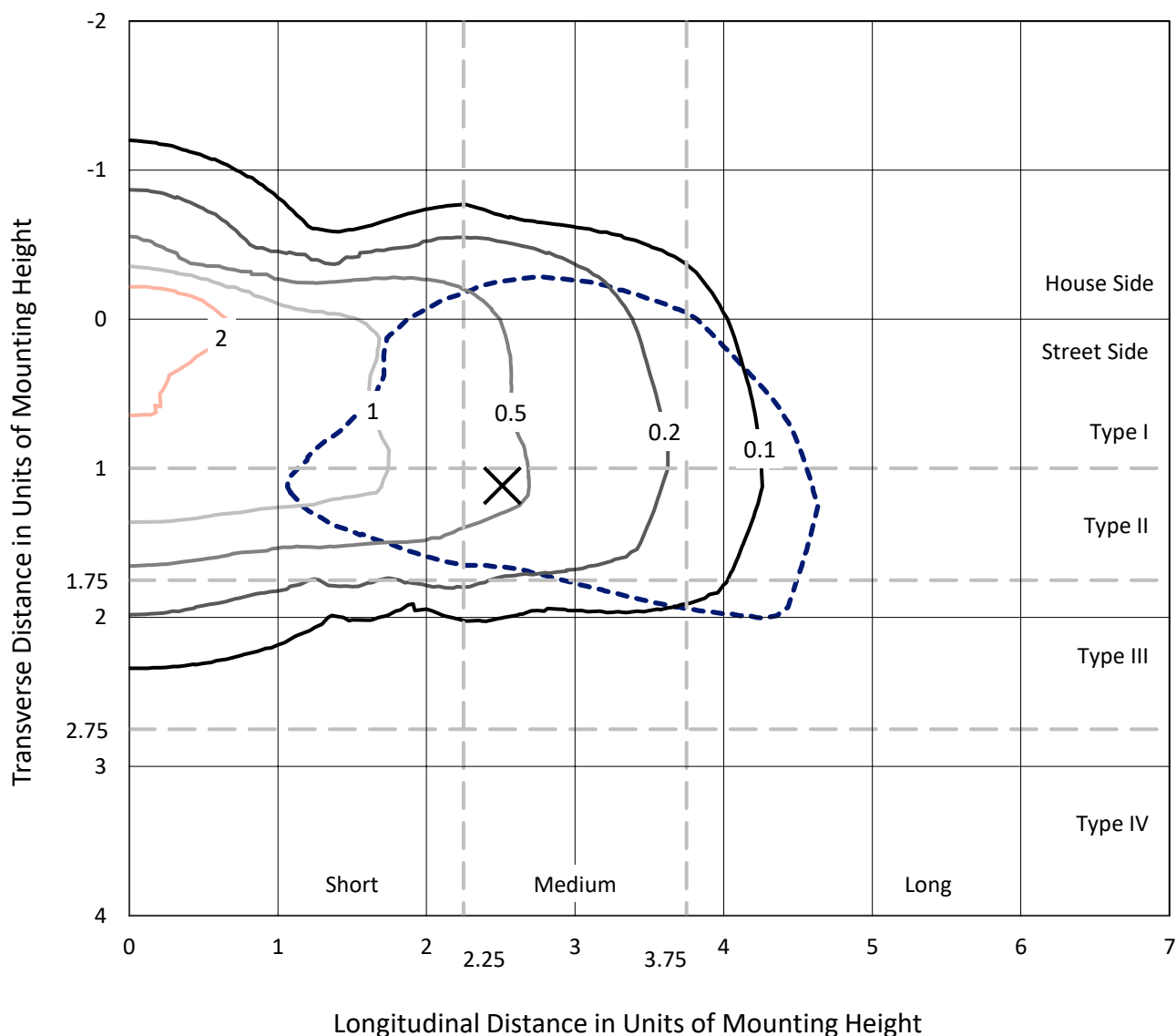
Lumens per Lamp: N/A
Luminaire Lumens: 3555.5 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

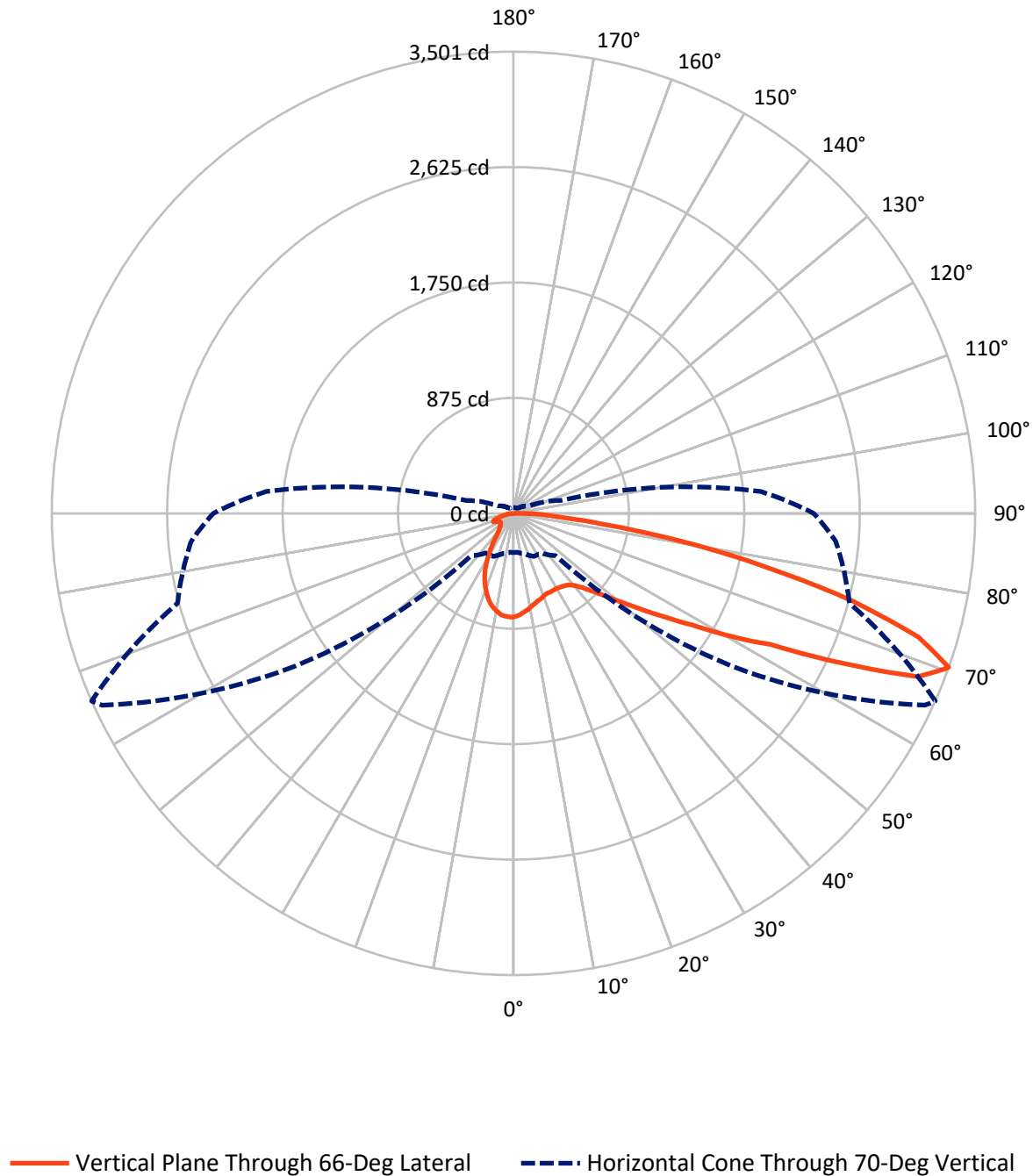
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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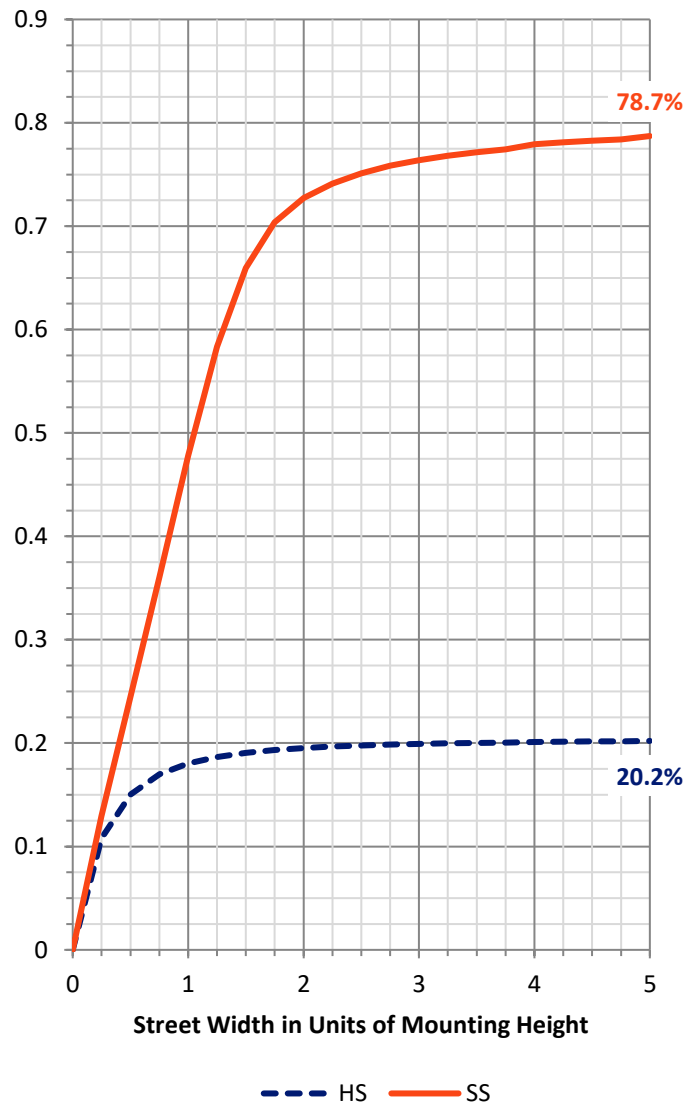
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.8	0.0	727.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2827.8	0.0	2827.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	3555.5	0.0	3555.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	2.0
10°-20°	171.0	4.8
20°-30°	234.8	6.6
30°-40°	314.8	8.9
40°-50°	456.8	12.8
50°-60°	694.4	19.5
60°-70°	857.6	24.1
70°-80°	637.7	17.9
80°-90°	119.0	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°	3555.5	100.0
0°-180°	3555.5	100.0

Coefficient of Utilization



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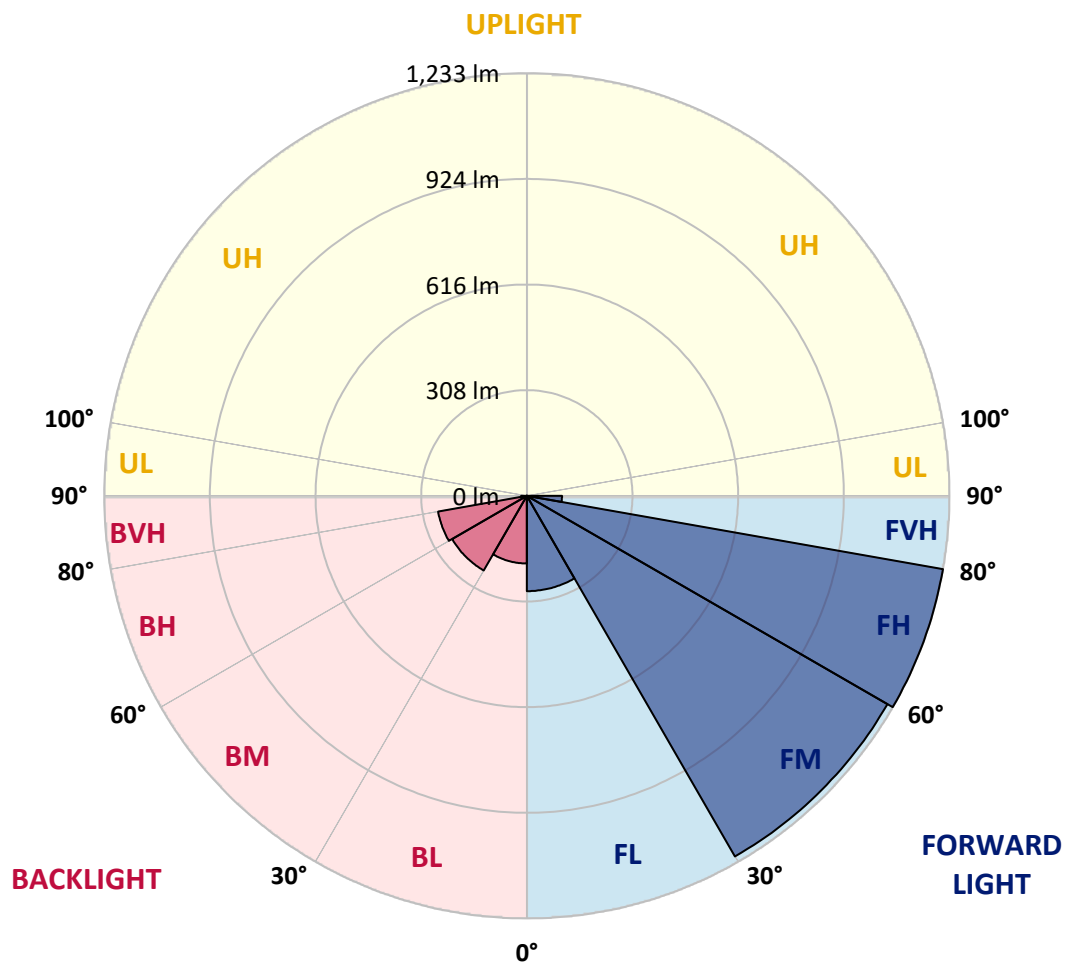
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.0	7.8			
FM	(30°-60°)	1214.6	34.2			
FH	(60°-80°)	1232.6	34.7			G1/1800
FVH	(80°-90°)	102.5	2.9			G2/225
BL	(0°-30°)	197.2	5.5	B1/500		
BM	(30°-60°)	251.4	7.1	B1/1000		
BH	(60°-80°)	262.7	7.4	B1/500		G1/500
BVH	(80°-90°)	16.4	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°	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5
2.5°	747.2	751.1	752.5	755.1	761.7	767.0	775.0	778.9	775.0	780.2	780.2
5°	695.6	690.3	703.5	708.8	716.8	727.3	745.9	760.4	756.4	772.3	785.5
7.5°	652.0	652.0	655.9	667.8	677.1	693.0	712.8	735.3	741.9	763.1	782.9
10°	612.3	617.6	617.6	636.1	641.4	659.9	693.0	720.7	722.1	757.8	785.5
12.5°	591.1	588.5	601.7	607.0	622.9	641.4	667.8	702.2	703.5	741.9	780.2
15°	573.9	576.6	583.2	596.4	611.0	625.5	650.6	682.4	689.0	734.0	777.6
17.5°	575.3	576.6	576.6	585.8	597.7	614.9	638.7	675.8	679.7	723.4	773.6
20°	583.2	577.9	581.9	585.8	593.8	609.6	629.5	661.2	665.2	722.1	782.9
22.5°	600.4	596.4	595.1	593.8	592.5	601.7	626.8	653.3	657.3	715.4	786.9
25°	628.2	626.8	617.6	608.3	601.7	601.7	621.5	659.9	658.6	715.4	789.5
27.5°	661.2	661.2	659.9	642.7	622.9	612.3	625.5	657.3	655.9	715.4	796.1
30°	706.2	706.2	702.2	686.3	650.6	620.2	628.2	654.6	658.6	710.2	790.8
32.5°	755.1	753.8	757.8	743.2	706.2	657.3	644.0	659.9	663.9	715.4	792.1
35°	790.8	798.8	812.0	798.8	761.7	695.6	666.5	670.5	673.1	716.8	797.4
37.5°	831.8	841.1	859.6	870.2	830.5	753.8	702.2	687.7	687.7	734.0	798.8
40°	891.3	882.1	913.8	932.3	916.5	825.2	757.8	719.4	720.7	756.4	815.9
42.5°	935.0	944.2	977.3	1010.3	990.5	912.5	818.6	771.0	771.0	789.5	842.4
45°	983.9	994.5	1040.8	1080.4	1095.0	1017.0	901.9	845.0	842.4	854.3	890.0
47.5°	1038.1	1052.7	1105.6	1151.8	1190.2	1125.4	1009.0	935.0	933.6	942.9	969.4
50°	1100.3	1105.6	1149.2	1233.8	1310.5	1269.5	1139.9	1061.9	1055.3	1059.3	1095.0
52.5°	1118.8	1114.8	1165.1	1256.3	1396.5	1445.4	1318.5	1206.1	1203.4	1194.2	1240.5
55°	1051.3	1064.6	1113.5	1229.9	1466.6	1653.1	1514.2	1403.1	1379.3	1354.2	1409.7
57.5°	916.5	917.8	973.3	1110.9	1412.4	1825.0	1846.1	1596.2	1597.5	1530.1	1593.5
60°	712.8	708.8	752.5	876.8	1257.6	1877.9	2208.5	1904.3	1891.1	1706.0	1764.1
62.5°	514.4	506.5	515.8	588.5	940.3	1797.2	2564.2	2249.5	2193.9	1885.8	1930.8
65°	423.2	427.1	431.1	435.1	527.7	1482.5	2674.0	2812.8	2738.8	2096.1	2114.6
67.5°	350.4	353.1	370.3	394.1	391.4	875.5	2547.0	3333.9	3306.1	2356.6	2273.3
70°	297.5	296.2	316.1	359.7	366.3	454.9	2016.7	3441.0	3500.5	2637.0	2453.1
72.5°	238.0	240.7	257.9	316.1	359.7	383.5	1161.1	3210.9	3209.6	2852.5	2356.6
75°	170.6	170.6	194.4	261.8	347.8	379.5	642.7	2606.5	2655.5	2680.6	2044.5
77.5°	112.4	117.7	136.2	195.7	326.6	371.6	407.3	1895.1	1955.9	2004.8	1564.5
80°	76.7	79.3	91.2	136.2	276.4	374.3	333.3	1274.8	1298.6	1106.9	634.8
82.5°	46.3	47.6	60.8	95.2	198.4	355.7	313.4	703.5	689.0	334.6	182.5
85°	25.1	26.4	38.4	63.5	130.9	310.8	308.1	345.2	321.4	123.0	76.7
87.5°	9.3	9.3	17.2	31.7	75.4	212.9	268.5	205.0	191.8	62.2	35.7
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°	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5	785.5
2.5°	786.9	786.9	786.9	786.9	785.5	780.2	784.2	782.9	775.0	776.3	771.0
5°	784.2	790.8	786.9	781.6	775.0	759.1	753.8	749.8	739.2	735.3	739.2
7.5°	790.8	785.5	782.9	773.6	747.2	732.6	714.1	691.6	675.8	671.8	675.8
10°	789.5	789.5	777.6	751.1	726.0	683.7	659.9	620.2	597.7	591.1	592.5
12.5°	784.2	788.2	769.7	727.3	679.7	628.2	584.5	542.2	502.5	486.7	484.0
15°	789.5	785.5	752.5	698.3	632.1	560.7	497.2	435.1	398.1	374.3	369.0
17.5°	781.6	777.6	730.0	658.6	570.0	478.7	399.4	331.9	294.9	285.6	285.6
20°	790.8	765.7	703.5	611.0	505.2	388.8	298.9	248.6	239.4	239.4	242.0
22.5°	789.5	763.1	681.1	564.7	427.1	293.6	222.2	207.6	208.9	219.5	218.2
25°	781.6	757.8	649.3	513.1	345.2	220.8	183.8	179.9	189.1	201.0	199.7
27.5°	780.2	743.2	620.2	452.3	263.2	174.6	160.0	160.0	169.3	179.9	178.5
30°	772.3	731.3	584.5	383.5	198.4	152.1	146.8	146.8	150.8	156.0	156.0
32.5°	771.0	715.4	544.8	312.1	158.7	137.5	134.9	136.2	136.2	138.9	137.5
35°	760.4	694.3	503.9	242.0	137.5	129.6	127.0	125.6	125.6	124.3	124.3
37.5°	756.4	681.1	461.5	187.8	128.3	123.0	120.3	116.4	115.1	115.1	113.7
40°	760.4	667.8	420.5	152.1	120.3	117.7	113.7	108.4	107.1	107.1	107.1
42.5°	775.0	666.5	378.2	132.2	116.4	112.4	107.1	101.8	100.5	101.8	100.5
45°	808.0	677.1	337.2	123.0	111.1	107.1	100.5	96.5	95.2	96.5	96.5
47.5°	862.2	706.2	300.2	117.7	107.1	101.8	95.2	91.2	91.2	91.2	91.2
50°	952.2	761.7	264.5	113.7	104.5	97.9	91.2	86.0	84.6	84.6	86.0
52.5°	1087.0	856.9	235.4	111.1	100.5	92.6	86.0	82.0	79.3	78.0	79.3
55°	1249.7	995.8	226.1	108.4	95.2	88.6	82.0	76.7	74.1	74.1	72.7
57.5°	1424.3	1149.2	242.0	105.8	91.2	83.3	76.7	71.4	68.8	67.4	67.4
60°	1613.4	1330.4	300.2	104.5	87.3	78.0	71.4	67.4	63.5	62.2	62.2
62.5°	1785.3	1494.4	404.7	103.2	84.6	72.7	66.1	60.8	58.2	56.9	56.9
65°	1981.0	1676.9	506.5	108.4	83.3	68.8	60.8	55.5	52.9	51.6	51.6
67.5°	2151.6	1835.6	566.0	121.7	87.3	63.5	54.2	50.3	48.9	47.6	47.6
70°	2275.9	1884.5	379.5	133.6	93.9	59.5	48.9	46.3	43.6	43.6	43.6
72.5°	2109.3	1682.1	224.8	125.6	88.6	55.5	43.6	41.0	39.7	39.7	38.4
75°	1803.8	1432.2	173.2	101.8	71.4	47.6	38.4	35.7	34.4	34.4	33.1
77.5°	1331.7	1026.2	128.3	80.7	55.5	38.4	33.1	31.7	30.4	29.1	29.1
80°	521.0	449.6	87.3	59.5	41.0	30.4	27.8	26.4	25.1	23.8	23.8
82.5°	161.3	136.2	50.3	39.7	29.1	23.8	22.5	21.2	19.8	18.5	18.5
85°	70.1	67.4	33.1	25.1	19.8	15.9	15.9	14.5	13.2	11.9	11.9
87.5°	34.4	33.1	18.5	11.9	10.6	7.9	7.9	6.6	5.3	5.3	5.3
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)