

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: P675445

Luminaire Tested: **CCW-SA-1C-827-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675445
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-827-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

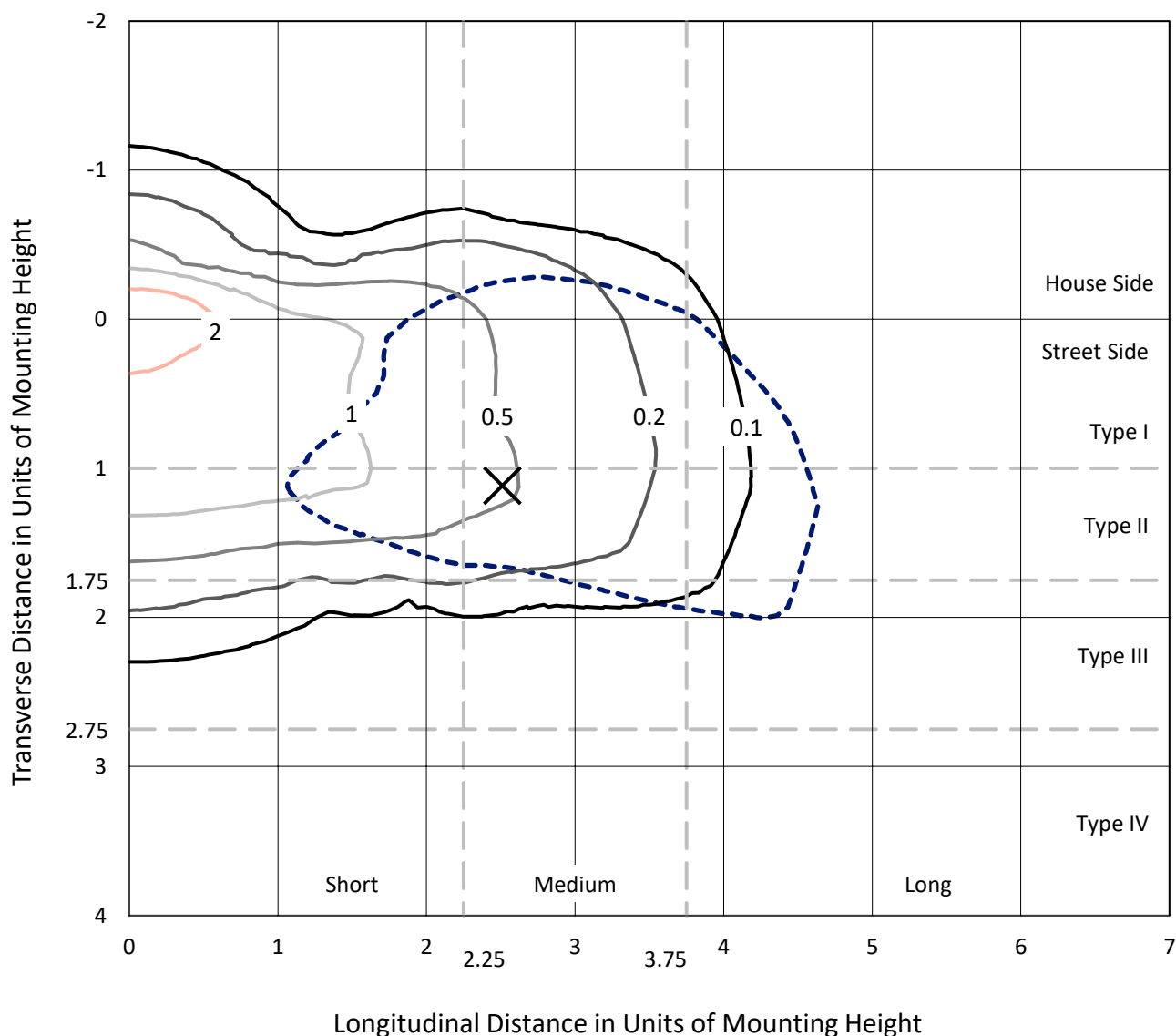
Lumens per Lamp: N/A
Luminaire Lumens: 3289.3 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

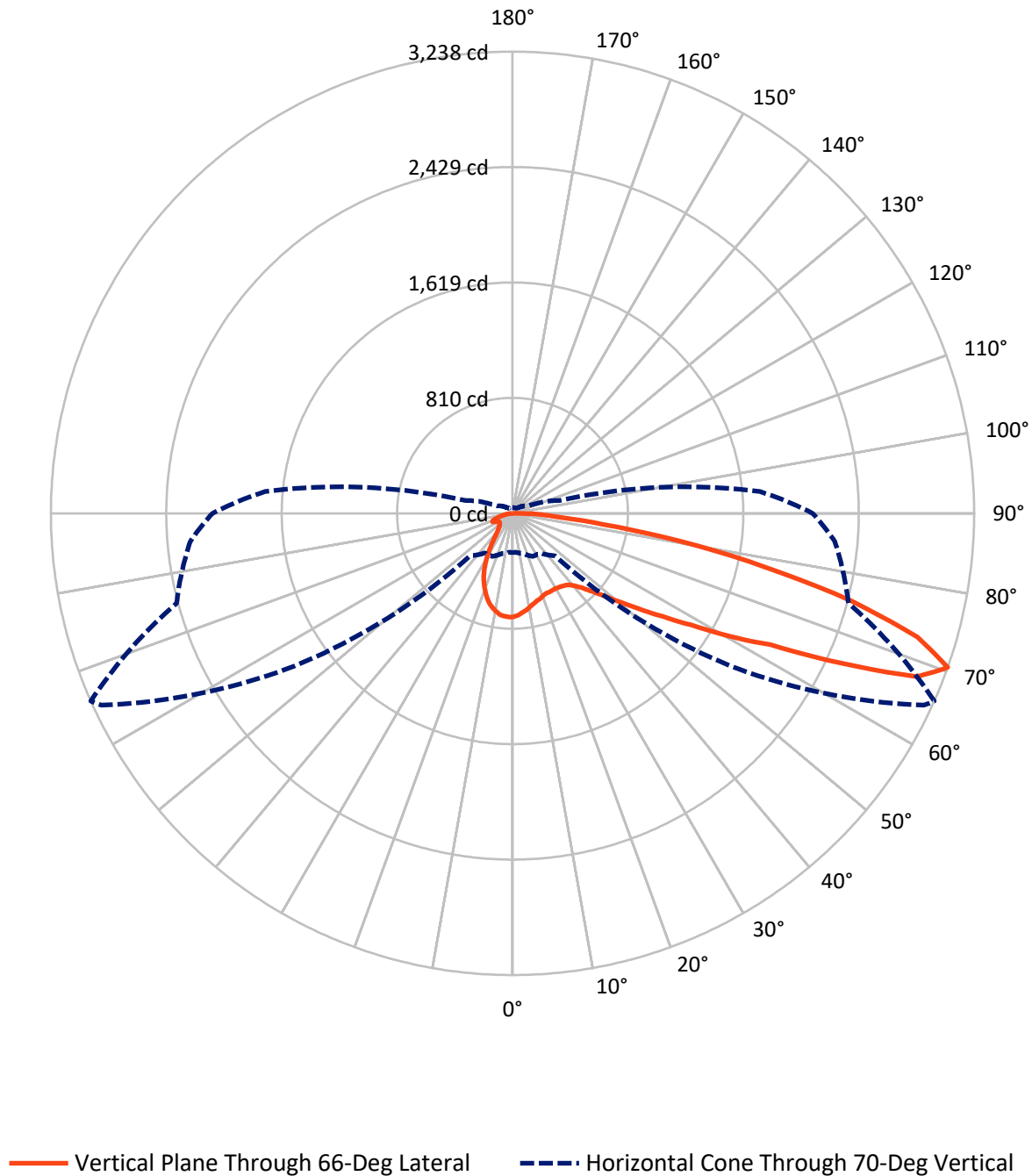
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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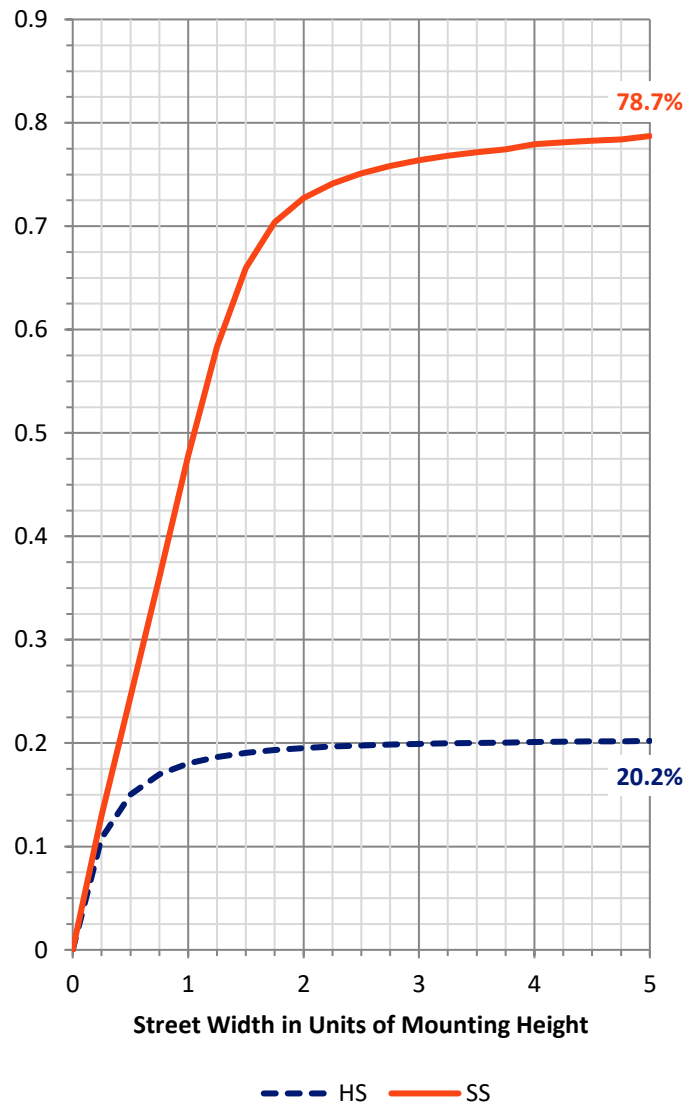
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	673.3	0.0	673.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2616.0	0.0	2616.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	3289.3	0.0	3289.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	2.0
10°-20°	158.2	4.8
20°-30°	217.2	6.6
30°-40°	291.3	8.9
40°-50°	422.6	12.8
50°-60°	642.4	19.5
60°-70°	793.4	24.1
70°-80°	590.0	17.9
80°-90°	110.0	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°	3289.3	100.0
0°-180°	3289.3	100.0

Coefficient of Utilization



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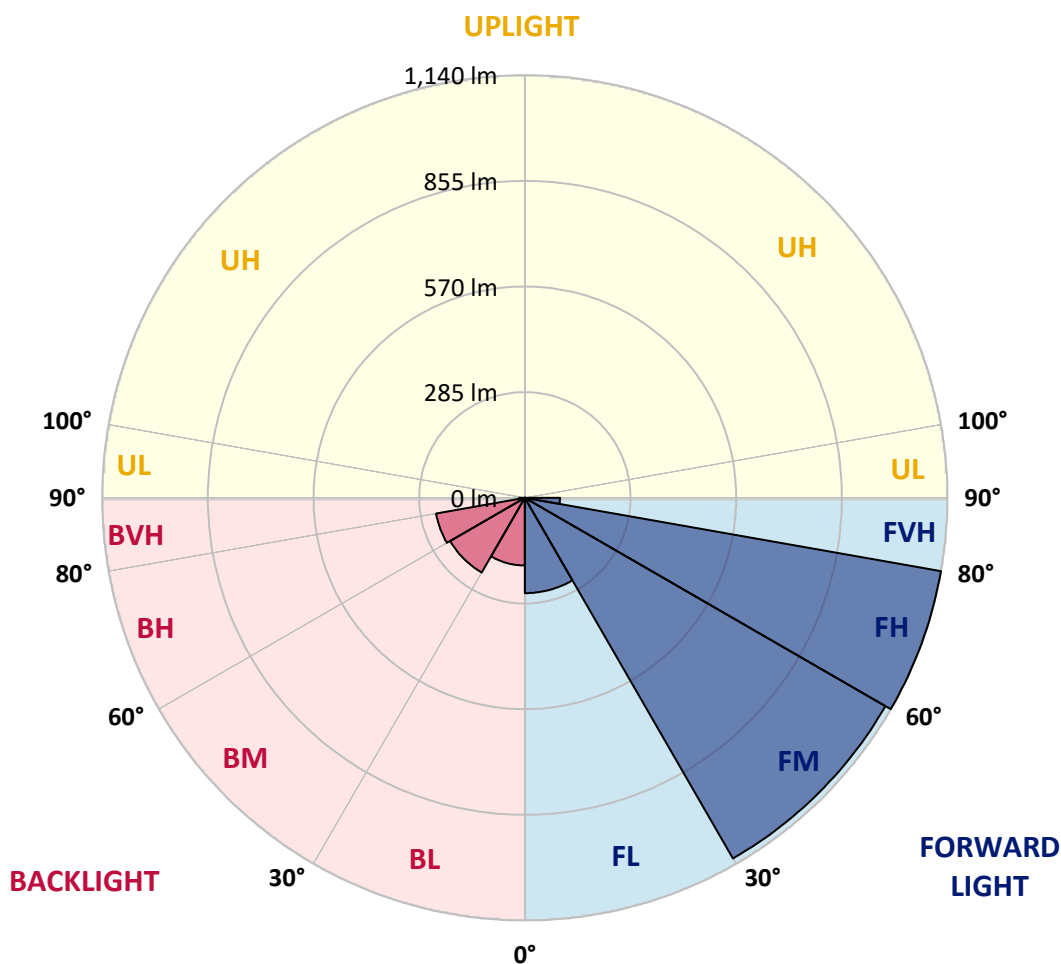
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.2	7.8			
FM	(30°-60°)	1123.7	34.2			
FH	(60°-80°)	1140.3	34.7			G1/1800
FVH	(80°-90°)	94.9	2.9			G1/100
BL	(0°-30°)	182.5	5.5	B1/500		
BM	(30°-60°)	232.6	7.1	B1/1000		
BH	(60°-80°)	243.1	7.4	B1/500		G1/500
BVH	(80°-90°)	15.2	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-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7
2.5°	691.2	694.9	696.1	698.6	704.7	709.6	716.9	720.6	716.9	721.8	721.8
5°	643.5	638.6	650.9	655.8	663.1	672.9	690.0	703.5	699.8	714.5	726.7
7.5°	603.1	603.1	606.8	617.8	626.4	641.1	659.4	680.2	686.3	705.9	724.3
10°	566.4	571.3	571.3	588.5	593.4	610.5	641.1	666.8	668.0	701.0	726.7
12.5°	546.9	544.4	556.7	561.5	576.2	593.4	617.8	649.6	650.9	686.3	721.8
15°	531.0	533.4	539.5	551.8	565.2	578.7	601.9	631.3	637.4	679.0	719.4
17.5°	532.2	533.4	533.4	542.0	553.0	568.9	590.9	625.2	628.8	669.2	715.7
20°	539.5	534.6	538.3	542.0	549.3	564.0	582.3	611.7	615.4	668.0	724.3
22.5°	555.4	551.8	550.5	549.3	548.1	556.7	579.9	604.4	608.0	661.9	727.9
25°	581.1	579.9	571.3	562.8	556.7	556.7	575.0	610.5	609.3	661.9	730.4
27.5°	611.7	611.7	610.5	594.6	576.2	566.4	578.7	608.0	606.8	661.9	736.5
30°	653.3	653.3	649.6	635.0	601.9	573.8	581.1	605.6	609.3	657.0	731.6
32.5°	698.6	697.3	701.0	687.6	653.3	608.0	595.8	610.5	614.2	661.9	732.8
35°	731.6	738.9	751.2	738.9	704.7	643.5	616.6	620.3	622.7	663.1	737.7
37.5°	769.5	778.1	795.2	805.0	768.3	697.3	649.6	636.2	636.2	679.0	738.9
40°	824.6	816.0	845.4	862.5	847.8	763.4	701.0	665.5	666.8	699.8	754.8
42.5°	865.0	873.5	904.1	934.7	916.3	844.2	757.3	713.3	713.3	730.4	779.3
45°	910.2	920.0	962.8	999.5	1013.0	940.8	834.4	781.8	779.3	790.3	823.4
47.5°	960.4	973.8	1022.8	1065.6	1101.1	1041.1	933.5	865.0	863.7	872.3	896.8
50°	1017.9	1022.8	1063.2	1141.4	1212.4	1174.5	1054.6	982.4	976.3	980.0	1013.0
52.5°	1035.0	1031.3	1077.8	1162.2	1291.9	1337.2	1219.7	1115.8	1113.3	1104.7	1147.6
55°	972.6	984.9	1030.1	1137.8	1356.8	1529.3	1400.8	1298.0	1276.0	1252.8	1304.2
57.5°	847.8	849.1	900.4	1027.7	1306.6	1688.3	1707.9	1476.7	1477.9	1415.5	1474.2
60°	659.4	655.8	696.1	811.1	1163.5	1737.3	2043.1	1761.7	1749.5	1578.2	1632.0
62.5°	475.9	468.6	477.1	544.4	869.9	1662.6	2372.2	2081.0	2029.7	1744.6	1786.2
65°	391.5	395.2	398.8	402.5	488.1	1371.5	2473.8	2602.2	2533.7	1939.1	1956.2
67.5°	324.2	326.7	342.6	364.6	362.1	809.9	2356.3	3084.2	3058.5	2180.1	2103.1
70°	275.3	274.0	292.4	332.8	338.9	420.9	1865.7	3183.3	3238.4	2439.5	2269.4
72.5°	220.2	222.7	238.6	292.4	332.8	354.8	1074.2	2970.5	2969.2	2638.9	2180.1
75°	157.8	157.8	179.8	242.2	321.8	351.1	594.6	2411.4	2456.6	2479.9	1891.4
77.5°	104.0	108.9	126.0	181.1	302.2	343.8	376.8	1753.2	1809.4	1854.7	1447.3
80°	71.0	73.4	84.4	126.0	255.7	346.2	308.3	1179.4	1201.4	1024.0	587.2
82.5°	42.8	44.0	56.3	88.1	183.5	329.1	290.0	650.9	637.4	309.5	168.8
85°	23.2	24.5	35.5	58.7	121.1	287.5	285.1	319.3	297.3	113.8	71.0
87.5°	8.6	8.6	15.9	29.4	69.7	197.0	248.4	189.6	177.4	57.5	33.0
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°	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7
2.5°	727.9	727.9	727.9	727.9	726.7	721.8	725.5	724.3	716.9	718.1	713.3
5°	725.5	731.6	727.9	723.0	716.9	702.2	697.3	693.7	683.9	680.2	683.9
7.5°	731.6	726.7	724.3	715.7	691.2	677.8	660.6	639.8	625.2	621.5	625.2
10°	730.4	730.4	719.4	694.9	671.7	632.5	610.5	573.8	553.0	546.9	548.1
12.5°	725.5	729.2	712.0	672.9	628.8	581.1	540.8	501.6	464.9	450.2	447.8
15°	730.4	726.7	696.1	646.0	584.8	518.7	460.0	402.5	368.2	346.2	341.3
17.5°	723.0	719.4	675.3	609.3	527.3	442.9	369.5	307.1	272.8	264.3	264.3
20°	731.6	708.4	650.9	565.2	467.3	359.7	276.5	230.0	221.4	221.4	223.9
22.5°	730.4	705.9	630.1	522.4	395.2	271.6	205.5	192.1	193.3	203.1	201.9
25°	723.0	701.0	600.7	474.7	319.3	204.3	170.1	166.4	174.9	186.0	184.7
27.5°	721.8	687.6	573.8	418.4	243.5	161.5	148.0	148.0	156.6	166.4	165.2
30°	714.5	676.6	540.8	354.8	183.5	140.7	135.8	135.8	139.5	144.4	144.4
32.5°	713.3	661.9	504.0	288.7	146.8	127.2	124.8	126.0	126.0	128.5	127.2
35°	703.5	642.3	466.1	223.9	127.2	119.9	117.4	116.2	116.2	115.0	115.0
37.5°	699.8	630.1	427.0	173.7	118.7	113.8	111.3	107.7	106.4	106.4	105.2
40°	703.5	617.8	389.0	140.7	111.3	108.9	105.2	100.3	99.1	99.1	99.1
42.5°	716.9	616.6	349.9	122.3	107.7	104.0	99.1	94.2	93.0	94.2	93.0
45°	747.5	626.4	312.0	113.8	102.8	99.1	93.0	89.3	88.1	89.3	89.3
47.5°	797.7	653.3	277.7	108.9	99.1	94.2	88.1	84.4	84.4	84.4	84.4
50°	880.9	704.7	244.7	105.2	96.7	90.5	84.4	79.5	78.3	78.3	79.5
52.5°	1005.7	792.8	217.8	102.8	93.0	85.6	79.5	75.9	73.4	72.2	73.4
55°	1156.1	921.2	209.2	100.3	88.1	82.0	75.9	71.0	68.5	68.5	67.3
57.5°	1317.6	1063.2	223.9	97.9	84.4	77.1	71.0	66.1	63.6	62.4	62.4
60°	1492.6	1230.8	277.7	96.7	80.7	72.2	66.1	62.4	58.7	57.5	57.5
62.5°	1651.6	1382.5	374.4	95.4	78.3	67.3	61.2	56.3	53.8	52.6	52.6
65°	1832.7	1551.3	468.6	100.3	77.1	63.6	56.3	51.4	48.9	47.7	47.7
67.5°	1990.5	1698.1	523.6	112.6	80.7	58.7	50.2	46.5	45.3	44.0	44.0
70°	2105.5	1743.4	351.1	123.6	86.9	55.1	45.3	42.8	40.4	40.4	40.4
72.5°	1951.4	1556.2	208.0	116.2	82.0	51.4	40.4	37.9	36.7	36.7	35.5
75°	1668.7	1325.0	160.3	94.2	66.1	44.0	35.5	33.0	31.8	31.8	30.6
77.5°	1232.0	949.4	118.7	74.6	51.4	35.5	30.6	29.4	28.1	26.9	26.9
80°	482.0	416.0	80.7	55.1	37.9	28.1	25.7	24.5	23.2	22.0	22.0
82.5°	149.3	126.0	46.5	36.7	26.9	22.0	20.8	19.6	18.4	17.1	17.1
85°	64.8	62.4	30.6	23.2	18.4	14.7	14.7	13.5	12.2	11.0	11.0
87.5°	31.8	30.6	17.1	11.0	9.8	7.3	7.3	6.1	4.9	4.9	4.9
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)