

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: P671236

Luminaire Tested: **CCP-SA-1B-735-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671236
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL2
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3371.2 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

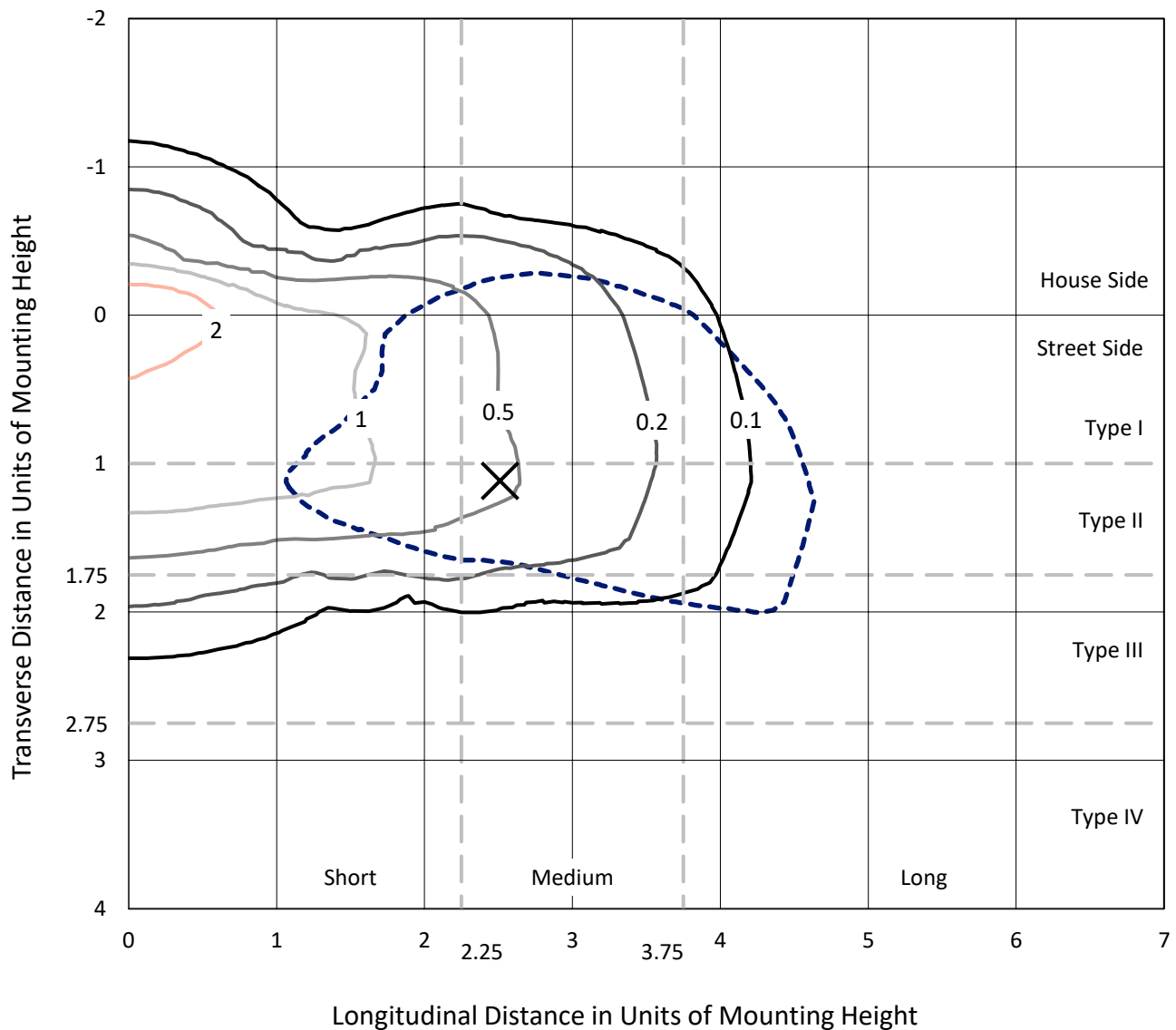
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

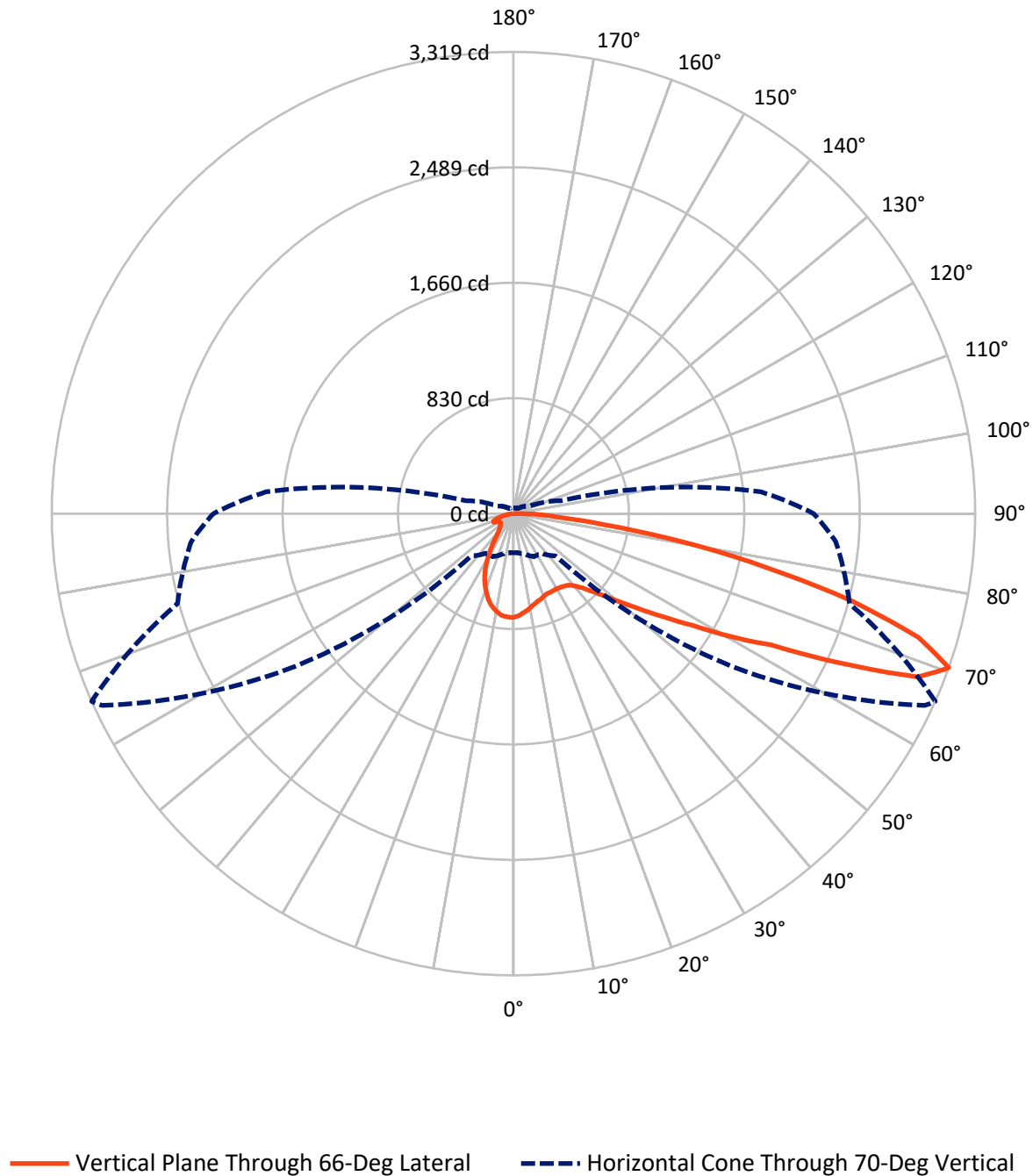
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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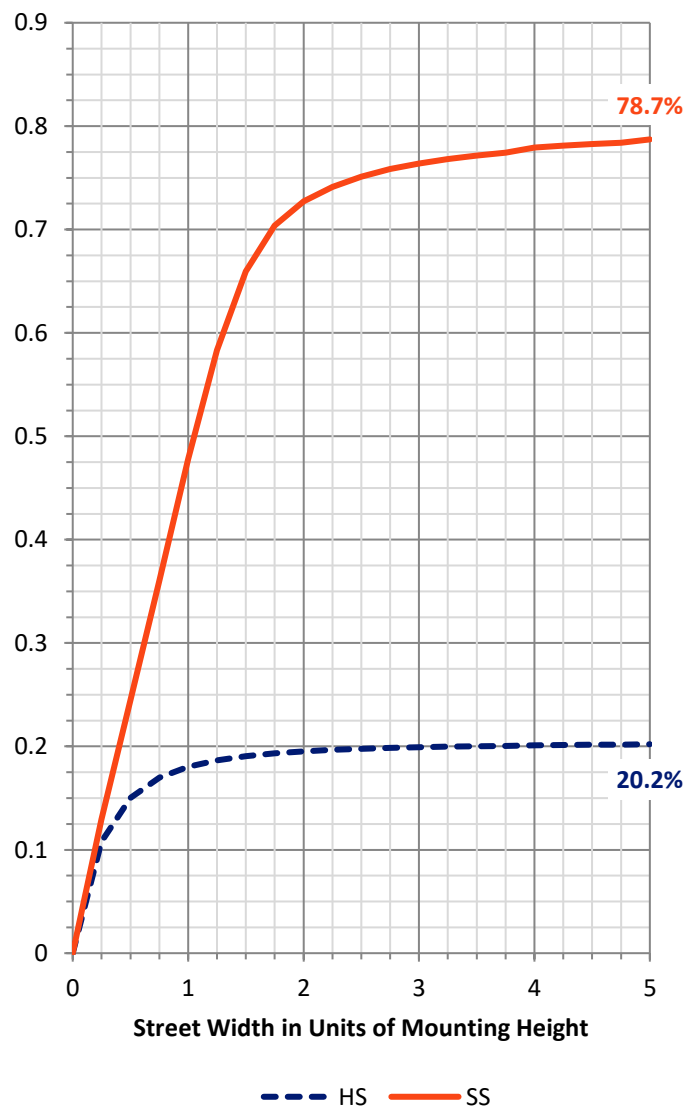
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	690.0	0.0	690.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2681.1	0.0	2681.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	3371.2	0.0	3371.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	2.0
10°-20°	162.1	4.8
20°-30°	222.6	6.6
30°-40°	298.5	8.9
40°-50°	433.1	12.8
50°-60°	658.4	19.5
60°-70°	813.1	24.1
70°-80°	604.7	17.9
80°-90°	112.8	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°	3371.2	100.0
0°-180°	3371.2	100.0

Coefficient of Utilization



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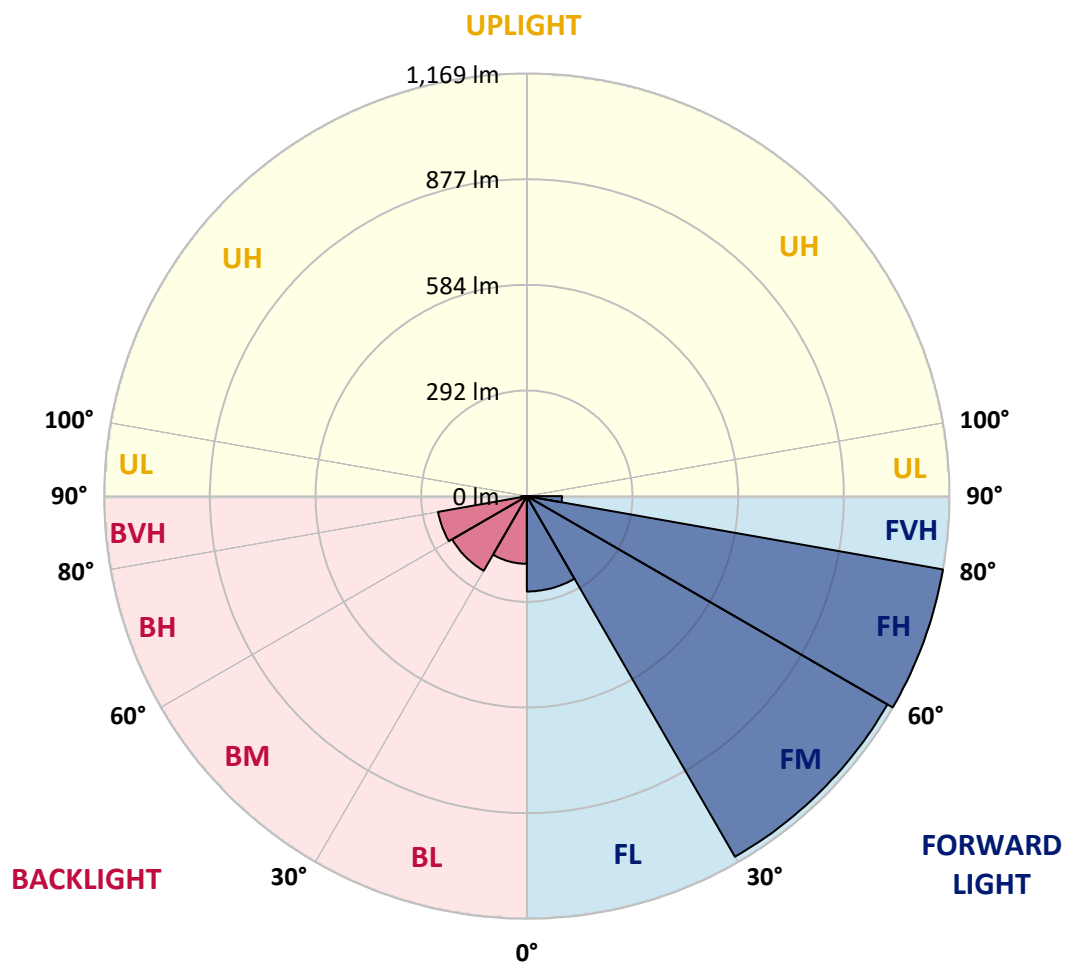
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	7.8			
FM	(30°-60°)	1151.6	34.2			
FH	(60°-80°)	1168.7	34.7			G1/1800
FVH	(80°-90°)	97.2	2.9			G1/100
BL	(0°-30°)	187.0	5.5	B1/500		
BM	(30°-60°)	238.4	7.1	B1/1000		
BH	(60°-80°)	249.1	7.4	B1/500		G1/500
BVH	(80°-90°)	15.6	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°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	708.4	712.2	713.4	716.0	722.2	727.2	734.8	738.5	734.8	739.8	739.8
5°	659.5	654.5	667.1	672.1	679.6	689.6	707.2	721.0	717.2	732.3	744.8
7.5°	618.2	618.2	621.9	633.2	642.0	657.0	675.8	697.1	703.4	723.5	742.3
10°	580.5	585.6	585.6	603.1	608.1	625.7	657.0	683.4	684.6	718.5	744.8
12.5°	560.5	558.0	570.5	575.5	590.6	608.1	633.2	665.8	667.1	703.4	739.8
15°	544.2	546.7	553.0	565.5	579.3	593.1	616.9	647.0	653.3	695.9	737.3
17.5°	545.4	546.7	546.7	555.5	566.7	583.0	605.6	640.7	644.5	685.9	733.5
20°	553.0	547.9	551.7	555.5	563.0	578.0	596.8	626.9	630.7	684.6	742.3
22.5°	569.3	565.5	564.2	563.0	561.7	570.5	594.3	619.4	623.2	678.3	746.0
25°	595.6	594.3	585.6	576.8	570.5	570.5	589.3	625.7	624.4	678.3	748.6
27.5°	626.9	626.9	625.7	609.4	590.6	580.5	593.1	623.2	621.9	678.3	754.8
30°	669.6	669.6	665.8	650.8	616.9	588.1	595.6	620.7	624.4	673.3	749.8
32.5°	716.0	714.7	718.5	704.7	669.6	623.2	610.6	625.7	629.4	678.3	751.1
35°	749.8	757.3	769.9	757.3	722.2	659.5	631.9	635.7	638.2	679.6	756.1
37.5°	788.7	797.5	815.0	825.0	787.4	714.7	665.8	652.0	652.0	695.9	757.3
40°	845.1	836.3	866.4	884.0	868.9	782.4	718.5	682.1	683.4	717.2	773.6
42.5°	886.5	895.3	926.6	958.0	939.1	865.2	776.1	731.0	731.0	748.6	798.7
45°	932.9	942.9	986.8	1024.4	1038.2	964.2	855.1	801.2	798.7	810.0	843.9
47.5°	984.3	998.1	1048.2	1092.1	1128.5	1067.0	956.7	886.5	885.2	894.0	919.1
50°	1043.2	1048.2	1089.6	1169.9	1242.6	1203.7	1080.8	1006.9	1000.6	1004.3	1038.2
52.5°	1060.8	1057.0	1104.7	1191.2	1324.1	1370.5	1250.1	1143.5	1141.0	1132.2	1176.1
55°	996.8	1009.4	1055.8	1166.1	1390.5	1567.3	1435.7	1330.3	1307.8	1284.0	1336.6
57.5°	868.9	870.2	922.8	1053.2	1339.1	1730.3	1750.4	1513.4	1514.7	1450.7	1510.9
60°	675.8	672.1	713.4	831.3	1192.4	1780.5	2094.0	1805.6	1793.0	1617.5	1672.7
62.5°	487.8	480.2	489.0	558.0	891.5	1704.0	2431.2	2132.8	2080.2	1788.0	1830.6
65°	401.2	405.0	408.8	412.5	500.3	1405.6	2535.3	2667.0	2596.8	1987.4	2004.9
67.5°	332.3	334.8	351.1	373.7	371.1	830.1	2414.9	3161.0	3134.7	2234.4	2155.4
70°	282.1	280.9	299.7	341.1	347.3	431.3	1912.1	3262.6	3319.0	2500.2	2325.9
72.5°	225.7	228.2	244.5	299.7	341.1	363.6	1100.9	3044.4	3043.1	2704.6	2234.4
75°	161.7	161.7	184.3	248.3	329.8	359.9	609.4	2471.4	2517.8	2541.6	1938.5
77.5°	106.6	111.6	129.1	185.6	309.7	352.3	386.2	1796.8	1854.5	1900.9	1483.3
80°	72.7	75.2	86.5	129.1	262.1	354.8	316.0	1208.7	1231.3	1049.5	601.9
82.5°	43.9	45.1	57.7	90.3	188.1	337.3	297.2	667.1	653.3	317.2	173.0
85°	23.8	25.1	36.4	60.2	124.1	294.7	292.2	327.3	304.7	116.6	72.7
87.5°	8.8	8.8	16.3	30.1	71.5	201.9	254.5	194.3	181.8	58.9	33.9
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°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	746.0	746.0	746.0	746.0	744.8	739.8	743.5	742.3	734.8	736.0	731.0
5°	743.5	749.8	746.0	741.0	734.8	719.7	714.7	710.9	700.9	697.1	700.9
7.5°	749.8	744.8	742.3	733.5	708.4	694.6	677.1	655.8	640.7	637.0	640.7
10°	748.6	748.6	737.3	712.2	688.4	648.2	625.7	588.1	566.7	560.5	561.7
12.5°	743.5	747.3	729.7	689.6	644.5	595.6	554.2	514.1	476.5	461.4	458.9
15°	748.6	744.8	713.4	662.0	599.3	531.6	471.5	412.5	377.4	354.8	349.8
17.5°	741.0	737.3	692.1	624.4	540.4	453.9	378.7	314.7	279.6	270.8	270.8
20°	749.8	726.0	667.1	579.3	479.0	368.6	283.4	235.7	226.9	226.9	229.5
22.5°	748.6	723.5	645.7	535.4	405.0	278.4	210.6	196.9	198.1	208.1	206.9
25°	741.0	718.5	615.6	486.5	327.3	209.4	174.3	170.5	179.3	190.6	189.3
27.5°	739.8	704.7	588.1	428.8	249.5	165.5	151.7	151.7	160.5	170.5	169.3
30°	732.3	693.4	554.2	363.6	188.1	144.2	139.2	139.2	142.9	148.0	148.0
32.5°	731.0	678.3	516.6	295.9	150.5	130.4	127.9	129.1	129.1	131.7	130.4
35°	721.0	658.3	477.7	229.5	130.4	122.9	120.4	119.1	119.1	117.9	117.9
37.5°	717.2	645.7	437.6	178.0	121.6	116.6	114.1	110.3	109.1	109.1	107.8
40°	721.0	633.2	398.7	144.2	114.1	111.6	107.8	102.8	101.6	101.6	101.6
42.5°	734.8	631.9	358.6	125.4	110.3	106.6	101.6	96.5	95.3	96.5	95.3
45°	766.1	642.0	319.7	116.6	105.3	101.6	95.3	91.5	90.3	91.5	91.5
47.5°	817.5	669.6	284.6	111.6	101.6	96.5	90.3	86.5	86.5	86.5	86.5
50°	902.8	722.2	250.8	107.8	99.1	92.8	86.5	81.5	80.2	80.2	81.5
52.5°	1030.7	812.5	223.2	105.3	95.3	87.8	81.5	77.7	75.2	74.0	75.2
55°	1184.9	944.2	214.4	102.8	90.3	84.0	77.7	72.7	70.2	70.2	69.0
57.5°	1350.4	1089.6	229.5	100.3	86.5	79.0	72.7	67.7	65.2	63.9	63.9
60°	1529.7	1261.4	284.6	99.1	82.8	74.0	67.7	63.9	60.2	58.9	58.9
62.5°	1692.7	1416.9	383.7	97.8	80.2	69.0	62.7	57.7	55.2	53.9	53.9
65°	1878.3	1589.9	480.2	102.8	79.0	65.2	57.7	52.7	50.2	48.9	48.9
67.5°	2040.0	1740.4	536.7	115.4	82.8	60.2	51.4	47.6	46.4	45.1	45.1
70°	2157.9	1786.8	359.9	126.6	89.0	56.4	46.4	43.9	41.4	41.4	41.4
72.5°	1999.9	1594.9	213.2	119.1	84.0	52.7	41.4	38.9	37.6	37.6	36.4
75°	1710.3	1357.9	164.3	96.5	67.7	45.1	36.4	33.9	32.6	32.6	31.3
77.5°	1262.6	973.0	121.6	76.5	52.7	36.4	31.3	30.1	28.8	27.6	27.6
80°	494.0	426.3	82.8	56.4	38.9	28.8	26.3	25.1	23.8	22.6	22.6
82.5°	153.0	129.1	47.6	37.6	27.6	22.6	21.3	20.1	18.8	17.6	17.6
85°	66.5	63.9	31.3	23.8	18.8	15.0	15.0	13.8	12.5	11.3	11.3
87.5°	32.6	31.3	17.6	11.3	10.0	7.5	7.5	6.3	5.0	5.0	5.0
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)