

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: P673303

Luminaire Tested: **CCP-SA-2C-827-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673303  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-827-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3  
distribution lens and House Side Shield  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4788.2 lumens  
Efficiency: N/A  
Efficacy: 77.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

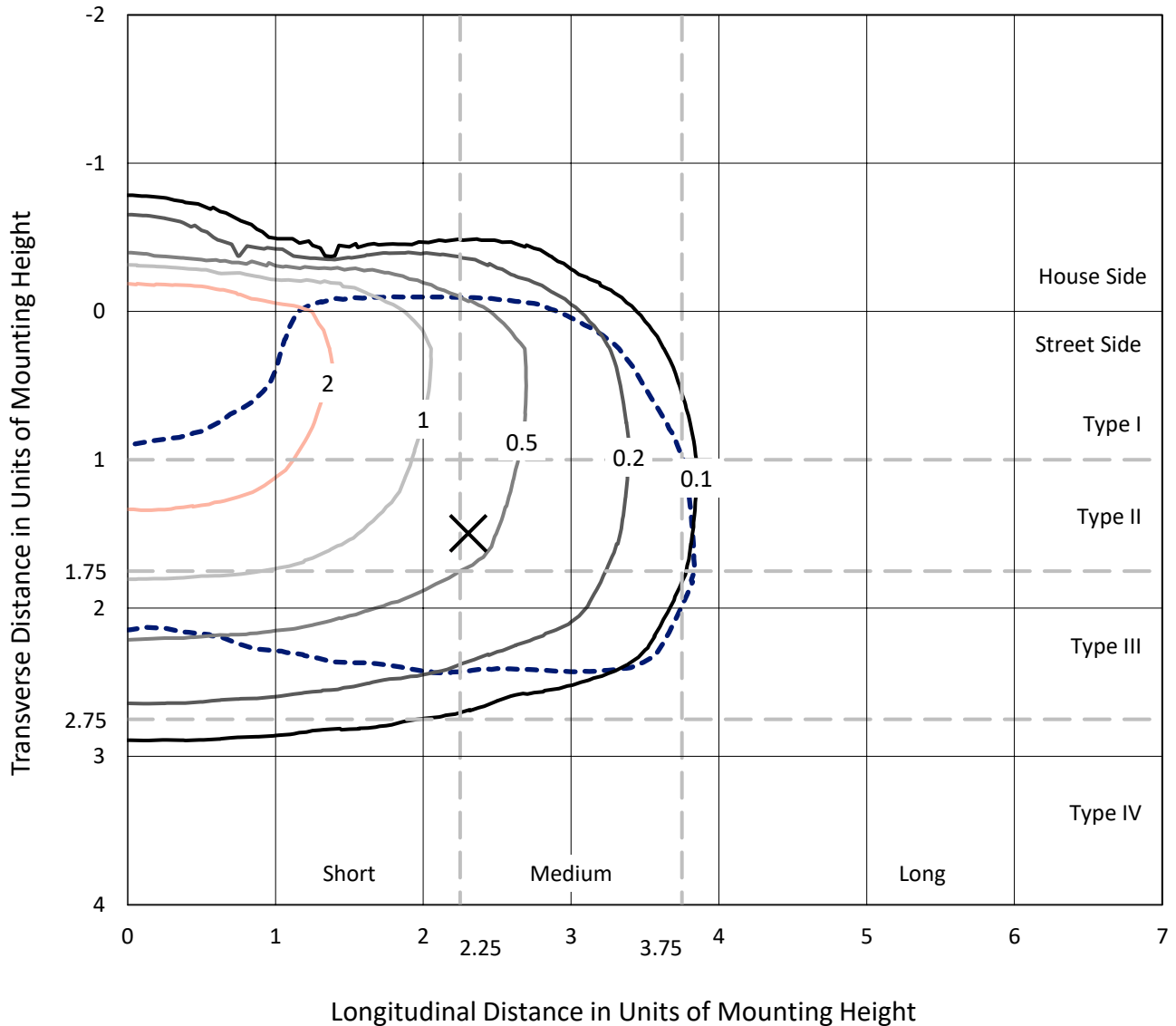
Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

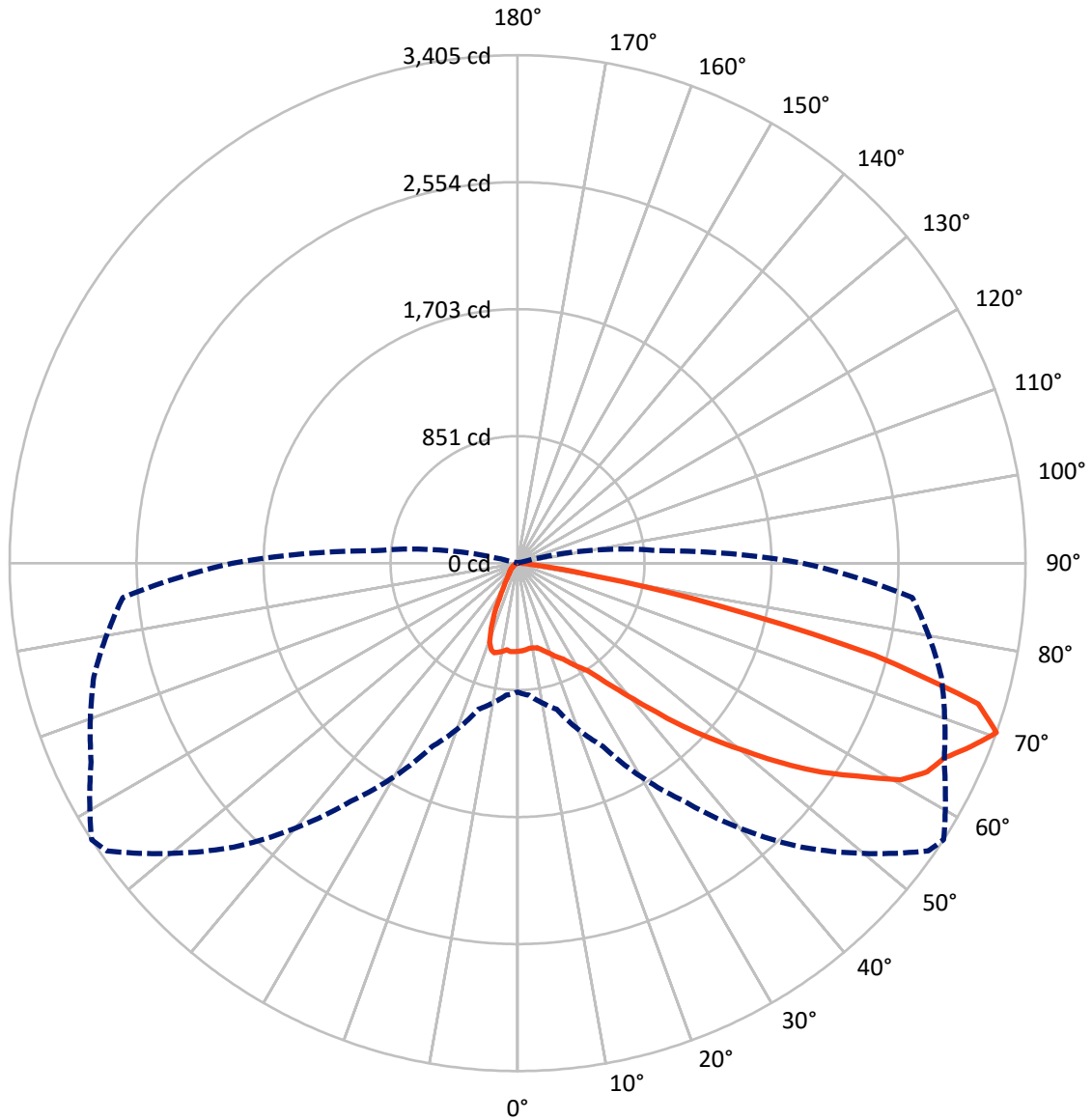
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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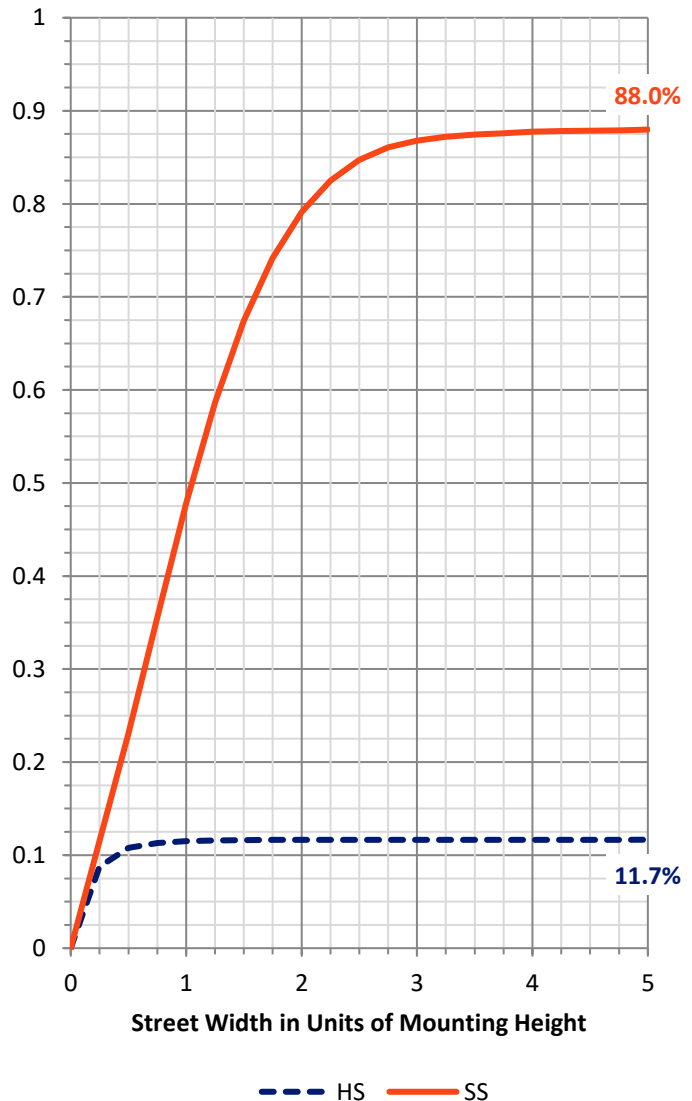
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	564.4	0.0	564.4
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4223.8	0.0	4223.8
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	4788.2	0.0	4788.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	1.2
10°-20°	154.4	3.2
20°-30°	260.0	5.4
30°-40°	445.0	9.3
40°-50°	747.2	15.6
50°-60°	1146.9	24.0
60°-70°	1324.2	27.7
70°-80°	625.5	13.1
80°-90°	29.7	0.6
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°	4788.2	100.0
0°-180°	4788.2	100.0



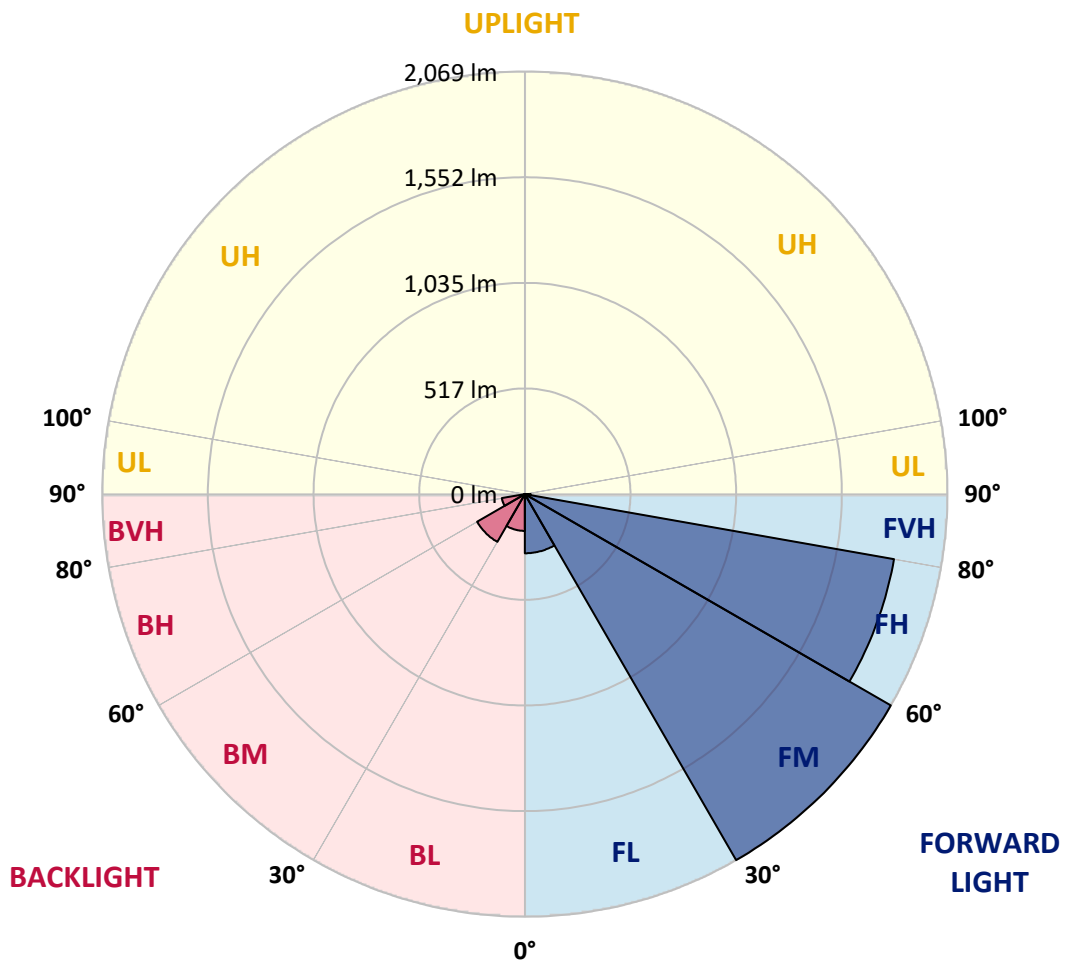
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.7	6.0			
FM (30°-60°)	2069.4	43.2			
FH (60°-80°)	1835.6	38.3			G2/5000
FVH (80°-90°)	29.1	0.6			G1/100
BL (0°-30°)	179.9	3.8	B1/500		
BM (30°-60°)	269.8	5.6	B1/1000		
BH (60°-80°)	114.1	2.4	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
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°	57°	65°	75°	85°
0°	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8
2.5°	582.2	578.6	582.2	587.1	582.2	585.9	584.7	588.3	583.5	583.5	587.1
5°	544.3	550.4	552.9	559.0	565.1	576.1	583.5	583.5	590.8	594.5	599.4
7.5°	530.9	521.1	530.9	535.8	541.9	560.2	571.2	576.1	585.9	599.4	606.7
10°	511.3	518.6	518.6	534.5	543.1	554.1	573.7	577.3	599.4	612.8	620.2
12.5°	510.1	510.1	516.2	527.2	544.3	565.1	589.6	582.2	605.5	629.9	642.2
15°	513.7	522.3	522.3	537.0	550.4	579.8	600.6	601.8	634.8	659.3	670.3
17.5°	529.6	526.0	530.9	539.4	560.2	588.3	622.6	626.3	664.2	697.2	713.1
20°	562.7	568.8	561.4	556.5	565.1	601.8	645.8	653.2	696.0	727.8	743.7
22.5°	686.2	681.3	652.0	617.7	603.0	620.2	667.9	685.0	735.1	773.1	786.5
25°	825.6	817.1	782.8	731.5	664.2	656.8	711.9	711.9	784.1	825.6	822.0
27.5°	957.8	955.3	914.9	861.1	765.7	713.1	747.4	760.8	839.1	873.4	857.4
30°	1092.3	1094.7	1058.1	993.2	892.9	803.6	797.5	808.5	880.7	934.5	901.5
32.5°	1248.9	1226.9	1201.2	1111.9	1020.1	919.8	862.3	857.4	927.2	976.1	932.1
35°	1388.3	1374.9	1346.7	1266.0	1160.8	1040.9	960.2	948.0	985.9	1050.7	1003.0
37.5°	1510.6	1497.2	1460.5	1406.7	1324.7	1191.4	1077.6	1059.3	1075.2	1143.7	1086.2
40°	1615.8	1619.5	1609.7	1557.1	1481.3	1360.2	1229.3	1199.9	1186.5	1247.6	1182.8
42.5°	1691.7	1727.1	1729.6	1664.7	1603.6	1537.5	1390.8	1367.5	1335.7	1387.1	1341.8
45°	1850.7	1831.1	1843.3	1820.1	1752.8	1743.0	1576.7	1563.2	1519.2	1536.3	1488.6
47.5°	1975.4	1971.8	1995.0	1957.1	1938.7	1940.0	1788.3	1765.0	1702.7	1734.5	1680.7
50°	2047.6	2028.0	2112.4	2141.8	2138.1	2152.8	2002.3	1982.8	1922.8	1969.3	1854.3
52.5°	2064.7	2100.2	2179.7	2286.1	2331.4	2362.0	2236.0	2228.6	2163.8	2193.2	2034.1
55°	2107.5	2141.8	2188.3	2363.2	2530.8	2538.1	2465.9	2473.3	2415.8	2408.4	2205.4
57.5°	2106.3	2099.0	2227.4	2430.5	2662.9	2768.1	2728.9	2693.4	2631.1	2558.9	2315.5
60°	2029.3	2025.6	2158.9	2439.0	2735.0	2976.0	2991.9	2950.3	2793.7	2687.3	2445.1
62.5°	1876.4	1891.0	2025.6	2365.6	2803.5	3050.6	3109.3	3081.2	2886.7	2773.0	2598.0
65°	1701.4	1670.9	1827.4	2182.2	2649.4	3028.6	3155.8	3146.0	2996.8	2865.9	2738.7
67.5°	1365.1	1378.5	1498.4	1877.6	2386.4	2947.9	3264.7	3279.3	3084.9	2947.9	2781.5
70°	864.8	889.3	1014.0	1356.5	1948.5	2693.4	3362.5	3405.3	3154.6	2940.5	2656.7
72.5°	252.0	261.8	431.8	676.4	1241.5	2160.1	3206.0	3228.0	3018.8	2669.0	2054.9
75°	83.2	88.1	127.2	220.2	486.8	1116.8	2368.1	2472.0	2402.3	1935.1	1175.5
77.5°	55.0	57.5	69.7	105.2	184.7	349.8	1269.7	1381.0	1354.1	906.4	379.2
80°	40.4	41.6	51.4	70.9	112.5	126.0	468.5	541.9	523.5	207.9	75.8
82.5°	25.7	25.7	37.9	50.2	70.9	62.4	135.8	150.5	146.8	79.5	29.4
85°	17.1	18.3	28.1	39.1	39.1	29.4	39.1	45.3	48.9	42.8	13.5
87.5°	4.9	6.1	15.9	26.9	15.9	14.7	13.5	14.7	17.1	23.2	7.3
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°	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8	590.8
2.5°	590.8	595.7	594.5	596.9	593.2	589.6	593.2	593.2	593.2	589.6	587.1
5°	595.7	593.2	595.7	590.8	595.7	590.8	588.3	581.0	579.8	579.8	584.7
7.5°	603.0	605.5	594.5	594.5	583.5	585.9	579.8	581.0	578.6	574.9	572.4
10°	614.0	623.8	612.8	609.1	596.9	587.1	572.4	565.1	565.1	560.2	565.1
12.5°	644.6	640.9	634.8	622.6	607.9	588.3	552.9	517.4	488.0	466.0	477.0
15°	669.1	667.9	659.3	636.1	616.5	556.5	467.3	375.5	326.6	304.6	300.9
17.5°	707.0	703.3	688.7	658.1	593.2	461.1	320.5	243.4	195.7	184.7	181.0
20°	742.5	741.2	709.4	670.3	534.5	336.4	209.2	160.2	146.8	148.0	145.6
22.5°	780.4	774.3	736.4	655.6	425.7	223.8	149.2	143.1	138.2	137.0	139.4
25°	823.2	801.2	763.3	622.6	313.1	154.1	140.7	135.8	130.9	129.7	129.7
27.5°	840.3	825.6	775.5	543.1	198.2	134.5	132.1	126.0	119.9	116.2	115.0
30°	879.5	855.0	787.7	426.9	140.7	123.5	119.9	112.5	104.0	97.9	97.9
32.5°	918.6	889.3	789.0	298.5	117.4	111.3	105.2	95.4	84.4	78.3	79.5
35°	967.5	927.2	775.5	193.3	105.2	97.9	85.6	74.6	64.8	59.9	59.9
37.5°	1050.7	1012.8	720.5	127.2	95.4	83.2	70.9	58.7	50.2	46.5	46.5
40°	1155.9	1107.0	644.6	100.3	84.4	70.9	56.3	45.3	40.4	36.7	36.7
42.5°	1281.9	1220.7	532.1	89.3	74.6	58.7	44.0	35.5	30.6	30.6	29.4
45°	1407.9	1307.6	417.1	82.0	66.1	48.9	34.2	28.1	25.7	24.5	24.5
47.5°	1587.7	1412.8	298.5	74.6	57.5	37.9	28.1	23.2	20.8	19.6	20.8
50°	1760.2	1511.9	211.6	67.3	47.7	30.6	23.2	20.8	18.3	17.1	17.1
52.5°	1911.8	1580.3	148.0	58.7	40.4	25.7	20.8	18.3	17.1	15.9	15.9
55°	1995.0	1557.1	101.5	50.2	33.0	22.0	18.3	15.9	14.7	13.5	13.5
57.5°	2080.6	1492.3	77.1	41.6	26.9	20.8	17.1	14.7	13.5	12.2	12.2
60°	2152.8	1444.6	59.9	33.0	22.0	17.1	14.7	12.2	11.0	9.8	8.6
62.5°	2156.5	1349.2	44.0	24.5	17.1	14.7	12.2	9.8	6.1	4.9	3.7
65°	2171.1	1248.9	31.8	18.3	12.2	11.0	8.6	4.9	2.4	0.0	0.0
67.5°	2119.8	1130.2	25.7	13.5	8.6	6.1	3.7	1.2	0.0	0.0	0.0
70°	1910.6	954.1	19.6	9.8	6.1	3.7	1.2	0.0	0.0	0.0	0.0
72.5°	1367.5	620.2	13.5	7.3	2.4	1.2	0.0	0.0	0.0	0.0	0.0
75°	729.0	264.2	9.8	4.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	228.7	67.3	6.1	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	50.2	18.3	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.1	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.1	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)