

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: P676382

Luminaire Tested: **CCW-SA-2C-722-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676382  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-722-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
T3 distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

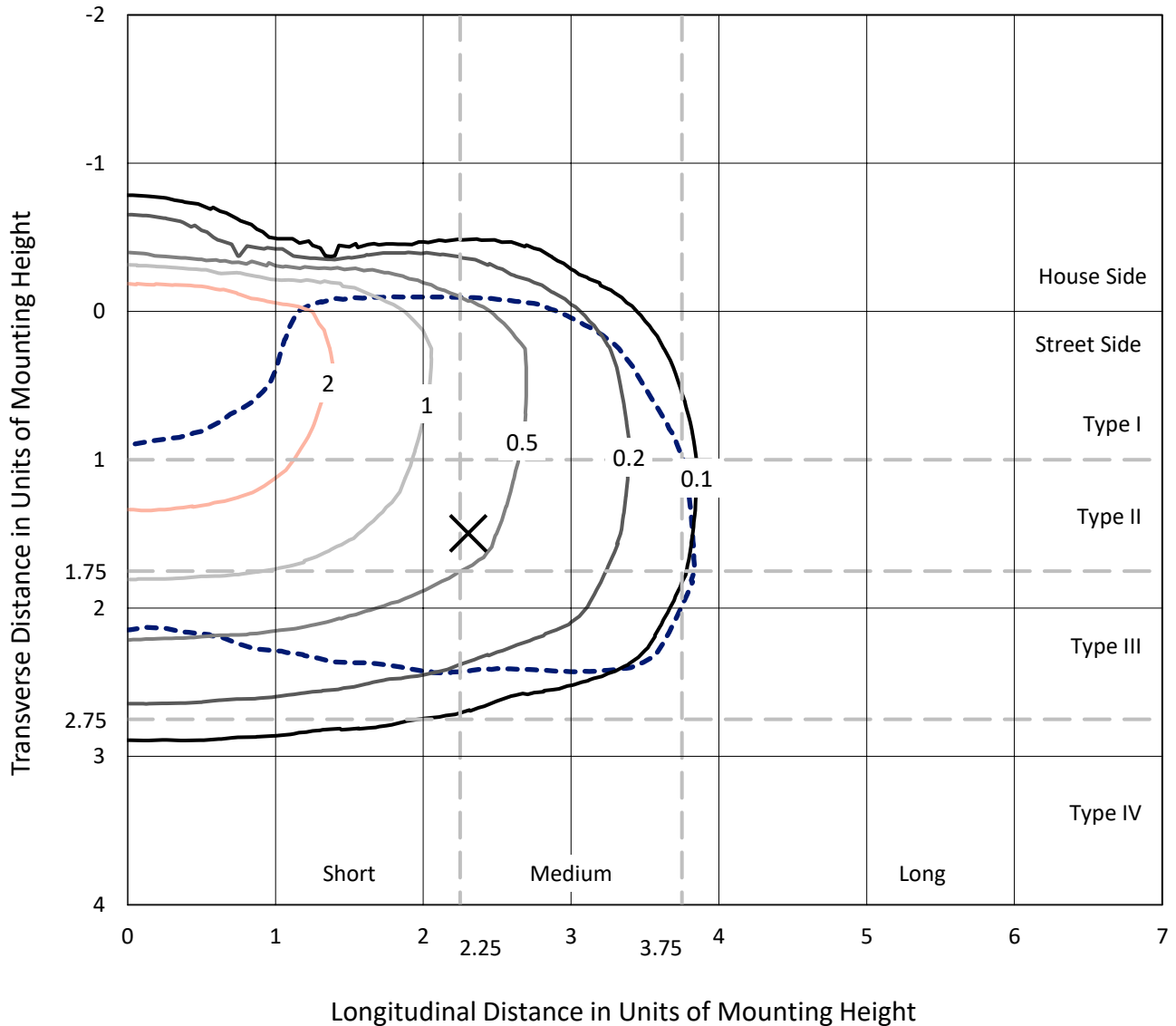
Lumens per Lamp: N/A  
Luminaire Lumens: 4797.9 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

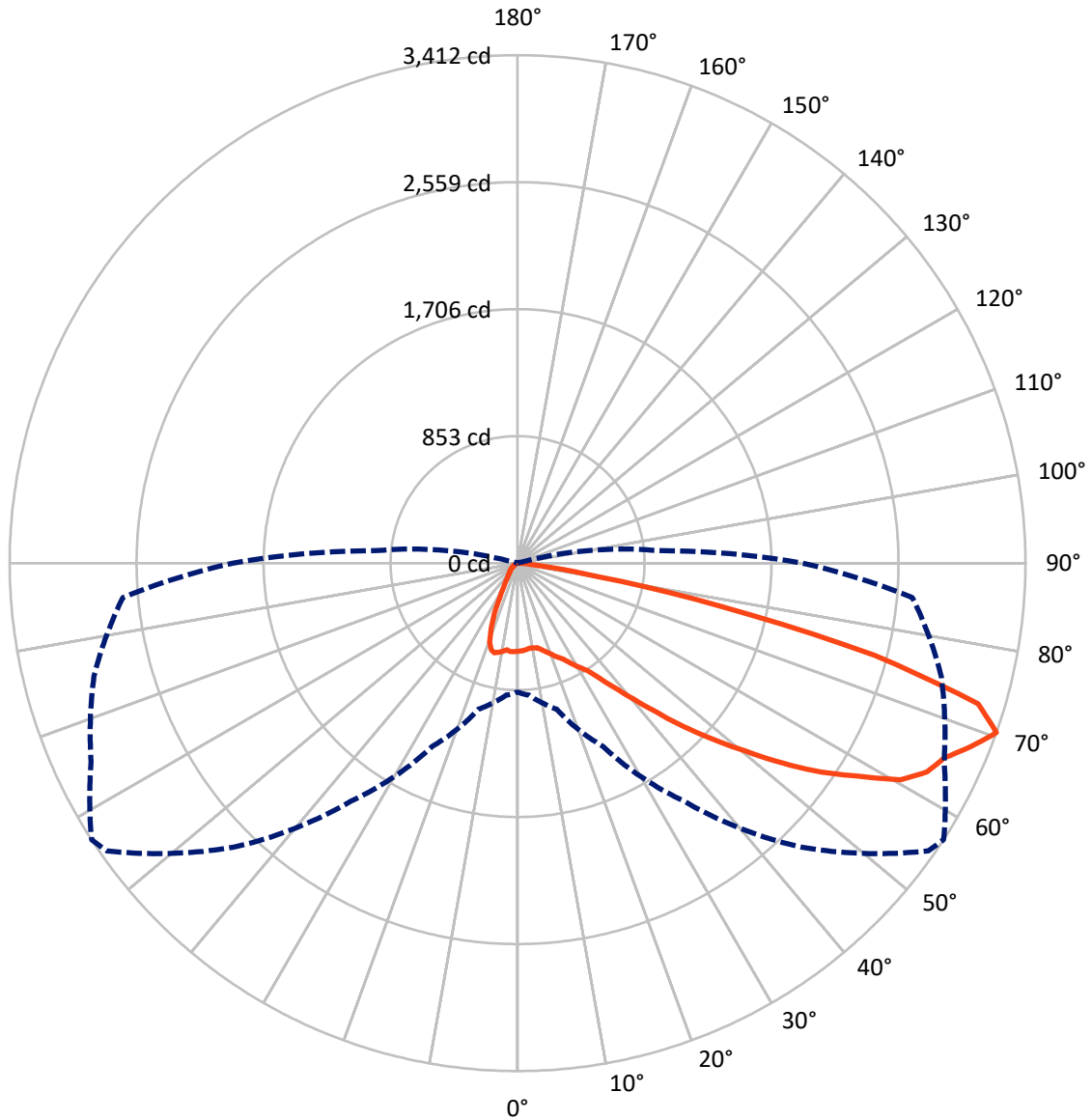
× Max cd  
 - - - 1/2 Max cd



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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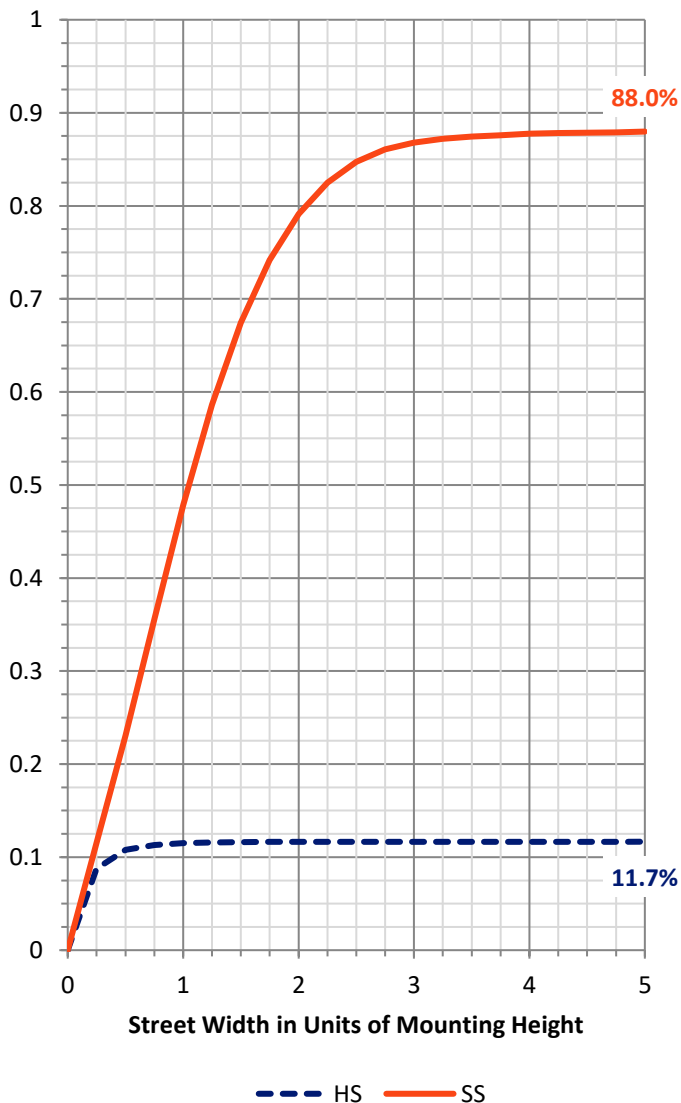
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	565.5	0.0	565.5
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4232.4	0.0	4232.4
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	4797.9	0.0	4797.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	1.2
10°-20°	154.7	3.2
20°-30°	260.5	5.4
30°-40°	445.9	9.3
40°-50°	748.7	15.6
50°-60°	1149.3	24.0
60°-70°	1326.9	27.7
70°-80°	626.8	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°	4797.9	100.0
0°-180°	4797.9	100.0



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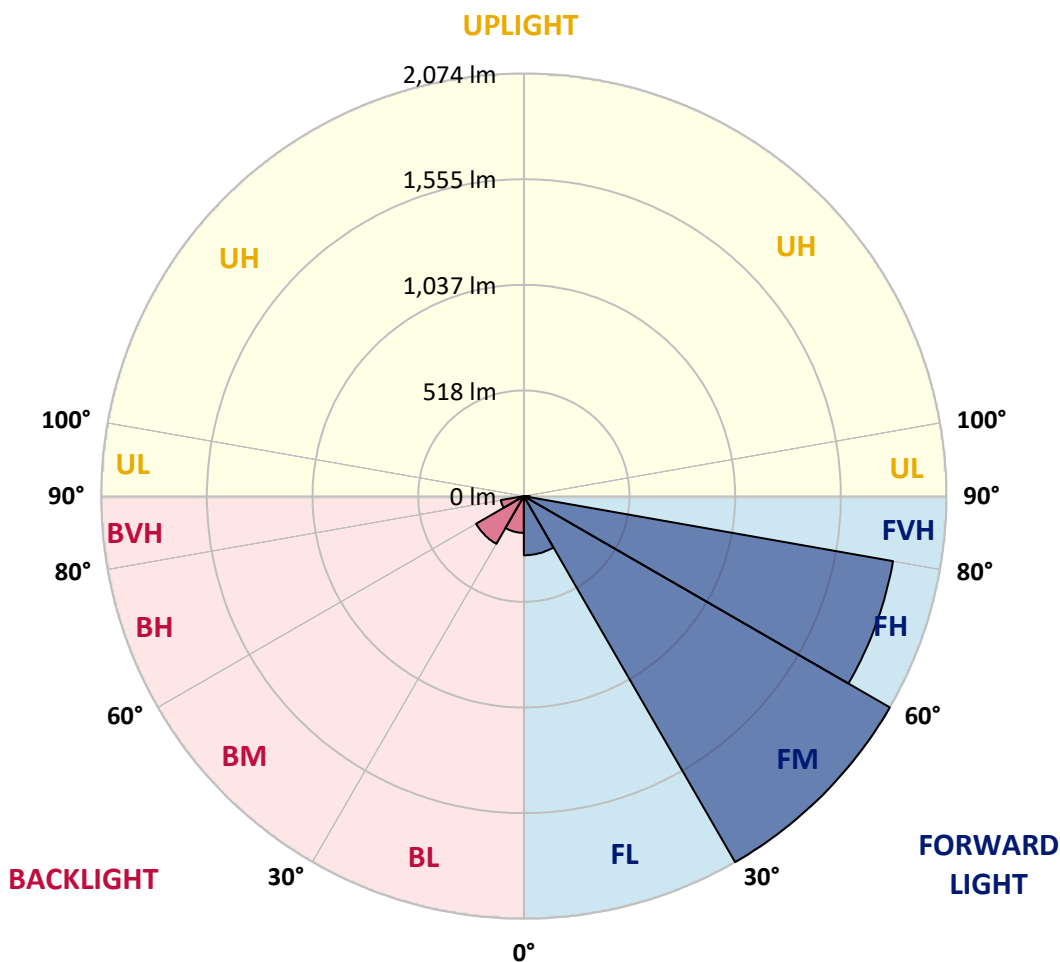
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.3	6.0			
FM (30°-60°)	2073.6	43.2			
FH (60°-80°)	1839.3	38.3			G2/5000
FVH (80°-90°)	29.2	0.6			G1/100
BL (0°-30°)	180.3	3.8	B1/500		
BM (30°-60°)	270.3	5.6	B1/1000		
BH (60°-80°)	114.4	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°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0
2.5°	583.4	579.7	583.4	588.3	583.4	587.1	585.9	589.6	584.6	584.6	588.3
5°	545.4	551.6	554.0	560.1	566.3	577.3	584.6	584.6	592.0	595.7	600.6
7.5°	531.9	522.1	531.9	536.8	543.0	561.4	572.4	577.3	587.1	600.6	607.9
10°	512.3	519.7	519.7	535.6	544.2	555.2	574.8	578.5	600.6	614.1	621.4
12.5°	511.1	511.1	517.2	528.3	545.4	566.3	590.8	583.4	606.7	631.2	643.5
15°	514.8	523.4	523.4	538.1	551.6	581.0	601.8	603.0	636.1	660.6	671.7
17.5°	530.7	527.0	531.9	540.5	561.4	589.6	623.9	627.5	665.5	698.6	714.6
20°	563.8	569.9	562.6	557.7	566.3	603.0	647.2	654.5	697.4	729.3	745.2
22.5°	687.6	682.7	653.3	619.0	604.3	621.4	669.2	686.4	736.6	774.6	788.1
25°	827.3	818.8	784.4	733.0	665.5	658.2	713.3	713.3	785.7	827.3	823.7
27.5°	959.7	957.3	916.8	862.9	767.3	714.6	748.9	762.4	840.8	875.1	859.2
30°	1094.5	1097.0	1060.2	995.2	894.7	805.3	799.1	810.2	882.5	936.4	903.3
32.5°	1251.4	1229.4	1203.6	1114.1	1022.2	921.7	864.1	859.2	929.1	978.1	934.0
35°	1391.1	1377.7	1349.5	1268.6	1163.2	1043.1	962.2	949.9	987.9	1052.9	1005.1
37.5°	1513.7	1500.2	1463.5	1409.5	1327.4	1193.8	1079.8	1061.4	1077.4	1146.0	1088.4
40°	1619.1	1622.8	1613.0	1560.3	1484.3	1363.0	1231.8	1202.4	1188.9	1250.2	1185.2
42.5°	1695.1	1730.7	1733.1	1668.1	1606.9	1540.7	1393.6	1370.3	1338.4	1389.9	1344.6
45°	1854.4	1834.8	1847.1	1823.8	1756.4	1746.6	1579.9	1566.4	1522.3	1539.5	1491.6
47.5°	1979.5	1975.8	1999.1	1961.1	1942.7	1943.9	1791.9	1768.7	1706.1	1738.0	1684.1
50°	2051.8	2032.2	2116.7	2146.2	2142.5	2157.2	2006.4	1986.8	1926.8	1973.3	1858.1
52.5°	2068.9	2104.5	2184.2	2290.8	2336.1	2366.8	2240.5	2233.2	2168.2	2197.6	2038.3
55°	2111.8	2146.2	2192.7	2368.0	2535.9	2543.3	2471.0	2478.3	2420.7	2413.4	2209.9
57.5°	2110.6	2103.3	2232.0	2435.4	2668.3	2773.7	2734.5	2698.9	2636.4	2564.1	2320.2
60°	2033.4	2029.7	2163.3	2444.0	2740.6	2982.1	2998.0	2956.3	2799.4	2692.8	2450.1
62.5°	1880.2	1894.9	2029.7	2370.5	2809.3	3056.8	3115.7	3087.5	2892.6	2778.6	2603.3
65°	1704.9	1674.3	1831.2	2186.6	2654.8	3034.8	3162.2	3152.4	3002.9	2871.8	2744.3
67.5°	1367.9	1381.3	1501.5	1881.4	2391.3	2953.9	3271.3	3286.0	3091.2	2953.9	2787.2
70°	866.6	891.1	1016.1	1359.3	1952.5	2698.9	3369.4	3412.3	3161.0	2946.5	2662.2
72.5°	252.5	262.3	432.7	677.8	1244.1	2164.5	3212.5	3234.6	3025.0	2674.4	2059.1
75°	83.3	88.2	127.5	220.6	487.8	1119.0	2372.9	2477.1	2407.2	1939.0	1177.9
77.5°	55.2	57.6	69.9	105.4	185.1	350.5	1272.3	1383.8	1356.8	908.2	380.0
80°	40.4	41.7	51.5	71.1	112.8	126.2	469.4	543.0	524.6	208.4	76.0
82.5°	25.7	25.7	38.0	50.3	71.1	62.5	136.1	150.8	147.1	79.7	29.4
85°	17.2	18.4	28.2	39.2	39.2	29.4	39.2	45.4	49.0	42.9	13.5
87.5°	4.9	6.1	15.9	27.0	15.9	14.7	13.5	14.7	17.2	23.3	7.4
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°	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0
2.5°	592.0	596.9	595.7	598.1	594.5	590.8	594.5	594.5	594.5	590.8	588.3
5°	596.9	594.5	596.9	592.0	596.9	592.0	589.6	582.2	581.0	581.0	585.9
7.5°	604.3	606.7	595.7	595.7	584.6	587.1	581.0	582.2	579.7	576.1	573.6
10°	615.3	625.1	614.1	610.4	598.1	588.3	573.6	566.3	566.3	561.4	566.3
12.5°	645.9	642.3	636.1	623.9	609.2	589.6	554.0	518.5	489.0	467.0	478.0
15°	670.4	669.2	660.6	637.4	617.7	557.7	468.2	376.3	327.3	305.2	301.5
17.5°	708.4	704.8	690.1	659.4	594.5	462.1	321.1	243.9	196.1	185.1	181.4
20°	744.0	742.8	710.9	671.7	535.6	337.1	209.6	160.6	147.1	148.3	145.9
22.5°	782.0	775.9	737.9	657.0	426.5	224.3	149.5	143.4	138.5	137.3	139.7
25°	824.9	802.8	764.8	623.9	313.8	154.4	141.0	136.1	131.1	129.9	129.9
27.5°	842.0	827.3	777.1	544.2	198.6	134.8	132.4	126.2	120.1	116.4	115.2
30°	881.3	856.7	789.3	427.8	141.0	123.8	120.1	112.8	104.2	98.1	98.1
32.5°	920.5	891.1	790.6	299.1	117.7	111.5	105.4	95.6	84.6	78.4	79.7
35°	969.5	929.1	777.1	193.7	105.4	98.1	85.8	74.8	65.0	60.1	60.1
37.5°	1052.9	1014.9	721.9	127.5	95.6	83.3	71.1	58.8	50.3	46.6	46.6
40°	1158.3	1109.2	645.9	100.5	84.6	71.1	56.4	45.4	40.4	36.8	36.8
42.5°	1284.5	1223.2	533.2	89.5	74.8	58.8	44.1	35.5	30.6	30.6	29.4
45°	1410.8	1310.2	418.0	82.1	66.2	49.0	34.3	28.2	25.7	24.5	24.5
47.5°	1590.9	1415.7	299.1	74.8	57.6	38.0	28.2	23.3	20.8	19.6	20.8
50°	1763.7	1514.9	212.0	67.4	47.8	30.6	23.3	20.8	18.4	17.2	17.2
52.5°	1915.7	1583.6	148.3	58.8	40.4	25.7	20.8	18.4	17.2	15.9	15.9
55°	1999.1	1560.3	101.7	50.3	33.1	22.1	18.4	15.9	14.7	13.5	13.5
57.5°	2084.9	1495.3	77.2	41.7	27.0	20.8	17.2	14.7	13.5	12.3	12.3
60°	2157.2	1447.5	60.1	33.1	22.1	17.2	14.7	12.3	11.0	9.8	8.6
62.5°	2160.9	1351.9	44.1	24.5	17.2	14.7	12.3	9.8	6.1	4.9	3.7
65°	2175.6	1251.4	31.9	18.4	12.3	11.0	8.6	4.9	2.5	0.0	0.0
67.5°	2124.1	1132.5	25.7	13.5	8.6	6.1	3.7	1.2	0.0	0.0	0.0
70°	1914.5	956.0	19.6	9.8	6.1	3.7	1.2	0.0	0.0	0.0	0.0
72.5°	1370.3	621.4	13.5	7.4	2.5	1.2	0.0	0.0	0.0	0.0	0.0
75°	730.5	264.7	9.8	4.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	229.2	67.4	6.1	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	50.3	18.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.2	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.1	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	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)