

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: P676414

Luminaire Tested: **CCW-SA-2B-735-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676414  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-735-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
T3 distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

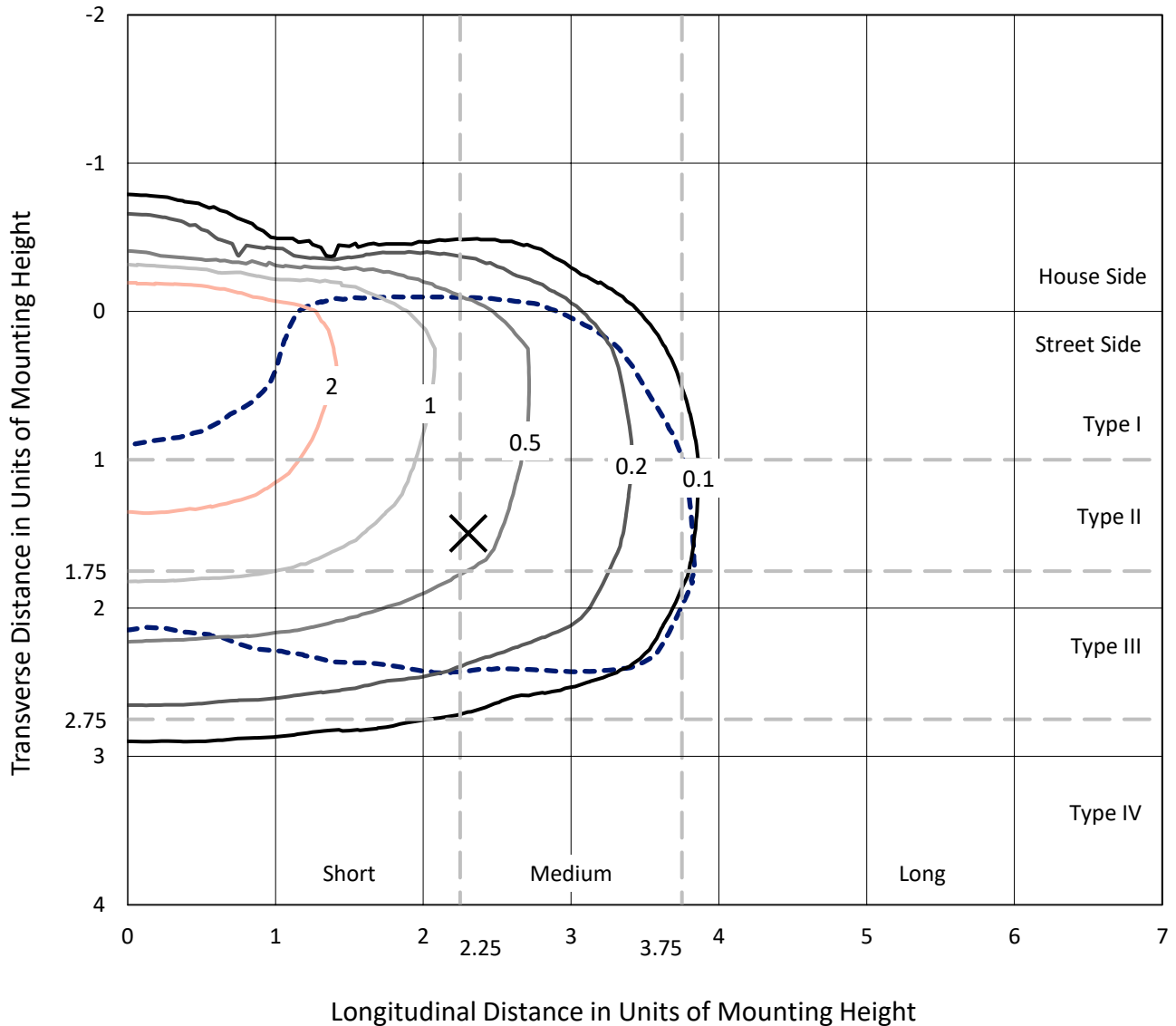
Lumens per Lamp: N/A  
Luminaire Lumens: 4907.2 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 46  
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

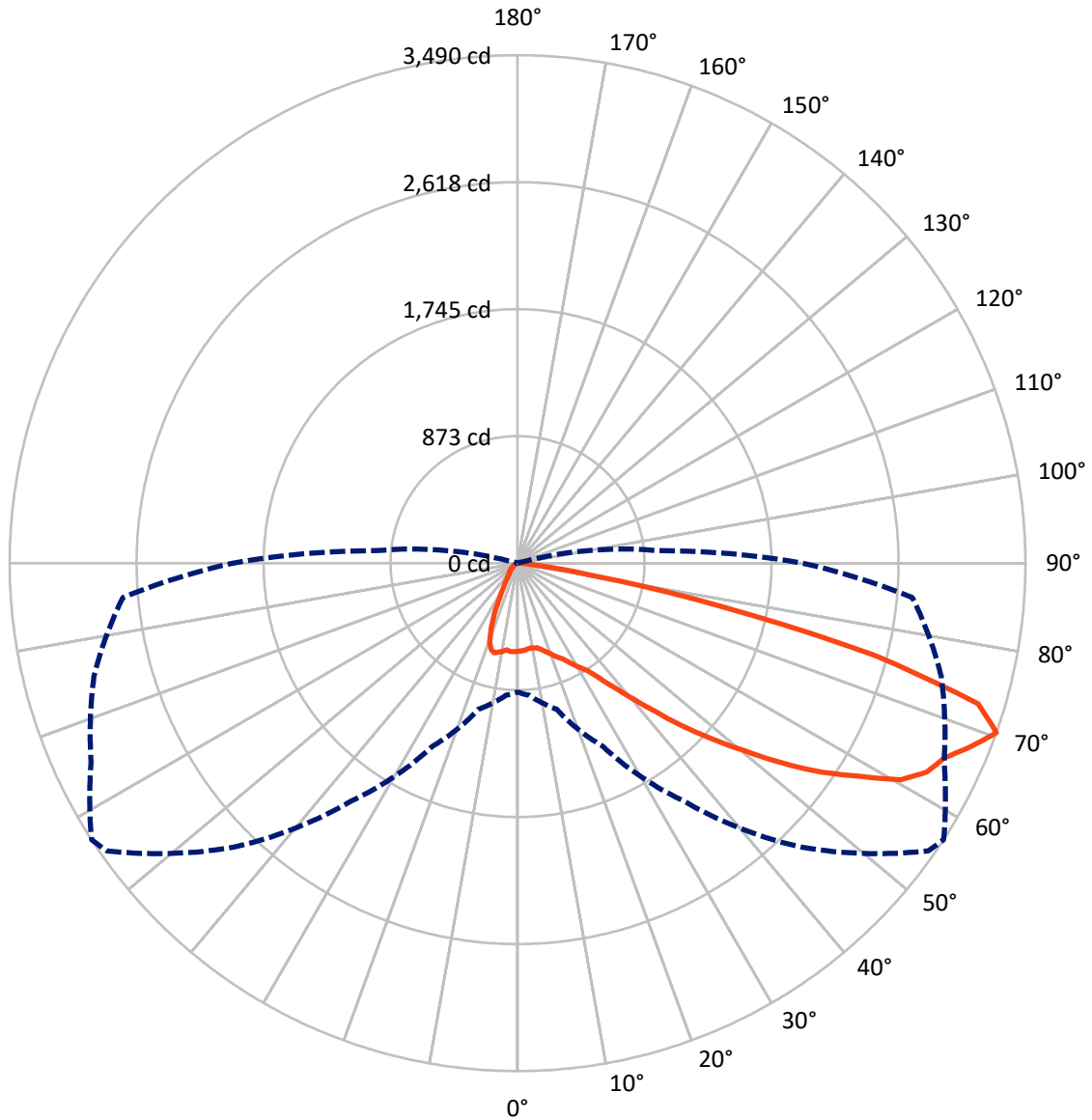
× Max cd  
 - - - 1/2 Max cd



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



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

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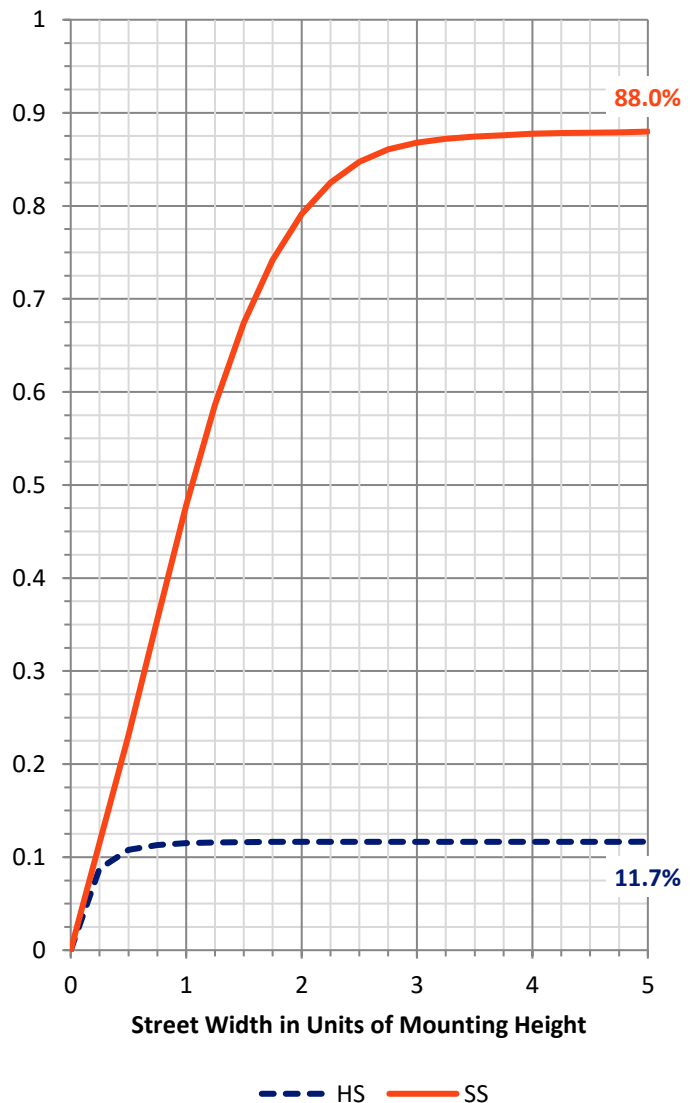
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	578.4	0.0	578.4
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4328.7	0.0	4328.7
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	4907.2	0.0	4907.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.6	1.2
10°-20°	158.2	3.2
20°-30°	266.5	5.4
30°-40°	456.1	9.3
40°-50°	765.8	15.6
50°-60°	1175.4	24.0
60°-70°	1357.1	27.7
70°-80°	641.1	13.1
80°-90°	30.4	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°	4907.2	100.0
0°-180°	4907.2	100.0



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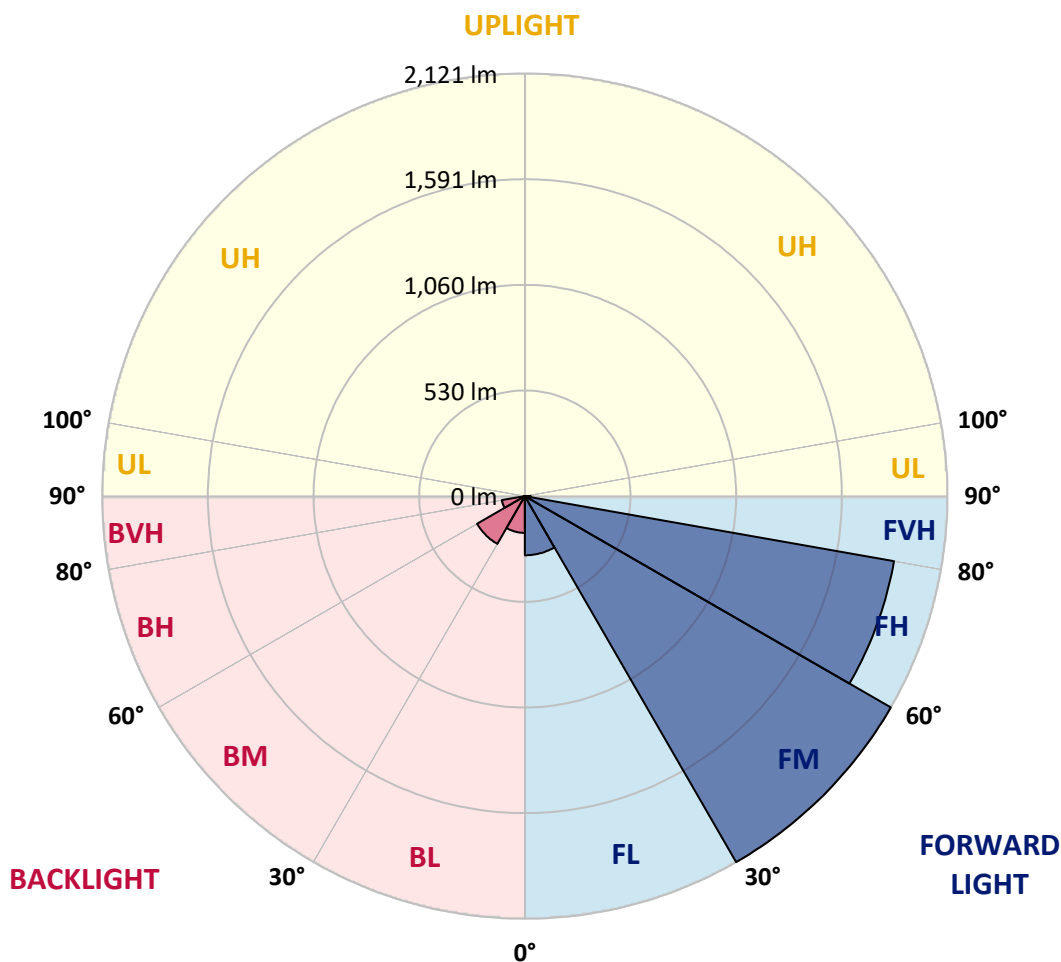
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.9	6.0			
FM (30°-60°)	2120.8	43.2			
FH (60°-80°)	1881.2	38.3			G2/5000
FVH (80°-90°)	29.9	0.6			G1/100
BL (0°-30°)	184.4	3.8	B1/500		
BM (30°-60°)	276.5	5.6	B1/1000		
BH (60°-80°)	117.0	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°	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5
2.5°	596.7	592.9	596.7	601.7	596.7	600.5	599.2	603.0	598.0	598.0	601.7
5°	557.8	564.1	566.6	572.9	579.2	590.4	598.0	598.0	605.5	609.2	614.3
7.5°	544.1	534.0	544.1	549.1	555.3	574.1	585.4	590.4	600.5	614.3	621.8
10°	524.0	531.5	531.5	547.8	556.6	567.9	587.9	591.7	614.3	628.0	635.6
12.5°	522.7	522.7	529.0	540.3	557.8	579.2	604.2	596.7	620.5	645.6	658.1
15°	526.5	535.3	535.3	550.3	564.1	594.2	615.5	616.8	650.6	675.7	687.0
17.5°	542.8	539.0	544.1	552.8	574.1	603.0	638.1	641.8	680.7	714.5	730.8
20°	576.6	582.9	575.4	570.4	579.2	616.8	661.9	669.4	713.3	745.9	762.2
22.5°	703.3	698.2	668.2	633.1	618.0	635.6	684.5	702.0	753.4	792.3	806.1
25°	846.2	837.4	802.3	749.6	680.7	673.2	729.6	729.6	803.5	846.2	842.4
27.5°	981.6	979.0	937.7	882.5	784.7	730.8	765.9	779.7	860.0	895.1	878.8
30°	1119.4	1122.0	1084.3	1017.9	915.1	823.6	817.3	828.6	902.6	957.7	923.9
32.5°	1279.9	1257.3	1231.0	1139.5	1045.5	942.7	883.8	878.8	950.2	1000.4	955.2
35°	1422.8	1409.0	1380.2	1297.5	1189.6	1066.8	984.1	971.5	1010.4	1076.8	1027.9
37.5°	1548.2	1534.4	1496.8	1441.6	1357.6	1221.0	1104.4	1085.6	1101.9	1172.1	1113.2
40°	1656.0	1659.7	1649.7	1595.8	1518.1	1394.0	1259.8	1229.8	1216.0	1278.6	1212.2
42.5°	1733.7	1770.1	1772.6	1706.1	1643.4	1575.7	1425.3	1401.5	1368.9	1421.6	1375.2
45°	1896.7	1876.6	1889.1	1865.3	1796.4	1786.3	1615.9	1602.1	1556.9	1574.5	1525.6
47.5°	2024.5	2020.8	2044.6	2005.7	1986.9	1988.2	1832.7	1808.9	1745.0	1777.6	1722.4
50°	2098.5	2078.4	2164.9	2195.0	2191.3	2206.3	2052.1	2032.0	1970.6	2018.3	1900.4
52.5°	2116.0	2152.4	2233.9	2342.9	2389.3	2420.7	2291.5	2284.0	2217.6	2247.7	2084.7
55°	2159.9	2195.0	2242.6	2421.9	2593.7	2601.2	2527.2	2534.7	2475.8	2468.3	2260.2
57.5°	2158.7	2151.1	2282.8	2490.9	2729.0	2836.8	2796.7	2760.4	2696.4	2622.5	2373.0
60°	2079.7	2075.9	2212.6	2499.6	2803.0	3050.0	3066.2	3023.6	2863.2	2754.1	2505.9
62.5°	1923.0	1938.0	2075.9	2424.4	2873.2	3126.4	3186.6	3157.8	2958.4	2841.9	2662.6
65°	1743.7	1712.4	1872.8	2236.4	2715.2	3103.9	3234.2	3224.2	3071.3	2937.1	2806.8
67.5°	1399.0	1412.8	1535.6	1924.2	2445.7	3021.1	3345.8	3360.8	3161.5	3021.1	2850.6
70°	886.3	911.4	1039.2	1390.2	1996.9	2760.4	3446.1	3490.0	3233.0	3013.6	2722.8
72.5°	258.2	268.3	442.5	693.2	1272.4	2213.8	3285.6	3308.2	3093.8	2735.3	2106.0
75°	85.2	90.3	130.4	225.6	498.9	1144.5	2426.9	2533.5	2462.0	1983.2	1204.7
77.5°	56.4	58.9	71.5	107.8	189.3	358.5	1301.2	1415.3	1387.7	928.9	388.6
80°	41.4	42.6	52.7	72.7	115.3	129.1	480.1	555.3	536.5	213.1	77.7
82.5°	26.3	26.3	38.9	51.4	72.7	63.9	139.1	154.2	150.4	81.5	30.1
85°	17.6	18.8	28.8	40.1	40.1	30.1	40.1	46.4	50.1	43.9	13.8
87.5°	5.0	6.3	16.3	27.6	16.3	15.0	13.8	15.0	17.6	23.8	7.5
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°	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5
2.5°	605.5	610.5	609.2	611.7	608.0	604.2	608.0	608.0	608.0	604.2	601.7
5°	610.5	608.0	610.5	605.5	610.5	605.5	603.0	595.4	594.2	594.2	599.2
7.5°	618.0	620.5	609.2	609.2	598.0	600.5	594.2	595.4	592.9	589.2	586.7
10°	629.3	639.3	628.0	624.3	611.7	601.7	586.7	579.2	579.2	574.1	579.2
12.5°	660.6	656.9	650.6	638.1	623.0	603.0	566.6	530.3	500.2	477.6	488.9
15°	685.7	684.5	675.7	651.9	631.8	570.4	478.9	384.8	334.7	312.1	308.4
17.5°	724.6	720.8	705.8	674.4	608.0	472.6	328.4	249.5	200.6	189.3	185.5
20°	760.9	759.7	727.1	687.0	547.8	344.7	214.4	164.2	150.4	151.7	149.2
22.5°	799.8	793.5	754.7	671.9	436.2	229.4	152.9	146.7	141.7	140.4	142.9
25°	843.7	821.1	782.2	638.1	320.9	158.0	144.2	139.1	134.1	132.9	132.9
27.5°	861.2	846.2	794.8	556.6	203.1	137.9	135.4	129.1	122.9	119.1	117.8
30°	901.3	876.3	807.3	437.5	144.2	126.6	122.9	115.3	106.6	100.3	100.3
32.5°	941.4	911.4	808.6	305.9	120.3	114.1	107.8	97.8	86.5	80.2	81.5
35°	991.6	950.2	794.8	198.1	107.8	100.3	87.8	76.5	66.4	61.4	61.4
37.5°	1076.8	1038.0	738.4	130.4	97.8	85.2	72.7	60.2	51.4	47.6	47.6
40°	1184.6	1134.5	660.6	102.8	86.5	72.7	57.7	46.4	41.4	37.6	37.6
42.5°	1313.7	1251.1	545.3	91.5	76.5	60.2	45.1	36.4	31.3	31.3	30.1
45°	1442.9	1340.1	427.5	84.0	67.7	50.1	35.1	28.8	26.3	25.1	25.1
47.5°	1627.1	1447.9	305.9	76.5	58.9	38.9	28.8	23.8	21.3	20.1	21.3
50°	1803.9	1549.4	216.9	68.9	48.9	31.3	23.8	21.3	18.8	17.6	17.6
52.5°	1959.3	1619.6	151.7	60.2	41.4	26.3	21.3	18.8	17.6	16.3	16.3
55°	2044.6	1595.8	104.0	51.4	33.8	22.6	18.8	16.3	15.0	13.8	13.8
57.5°	2132.3	1529.4	79.0	42.6	27.6	21.3	17.6	15.0	13.8	12.5	12.5
60°	2206.3	1480.5	61.4	33.8	22.6	17.6	15.0	12.5	11.3	10.0	8.8
62.5°	2210.1	1382.7	45.1	25.1	17.6	15.0	12.5	10.0	6.3	5.0	3.8
65°	2225.1	1279.9	32.6	18.8	12.5	11.3	8.8	5.0	2.5	0.0	0.0
67.5°	2172.4	1158.3	26.3	13.8	8.8	6.3	3.8	1.3	0.0	0.0	0.0
70°	1958.1	977.8	20.1	10.0	6.3	3.8	1.3	0.0	0.0	0.0	0.0
72.5°	1401.5	635.6	13.8	7.5	2.5	1.3	0.0	0.0	0.0	0.0	0.0
75°	747.1	270.8	10.0	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	234.4	68.9	6.3	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	51.4	18.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.6	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.3	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.3	1.3	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)