

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: P673227

Luminaire Tested: **CCP-SA-2D-722-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673227  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-722-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3 distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

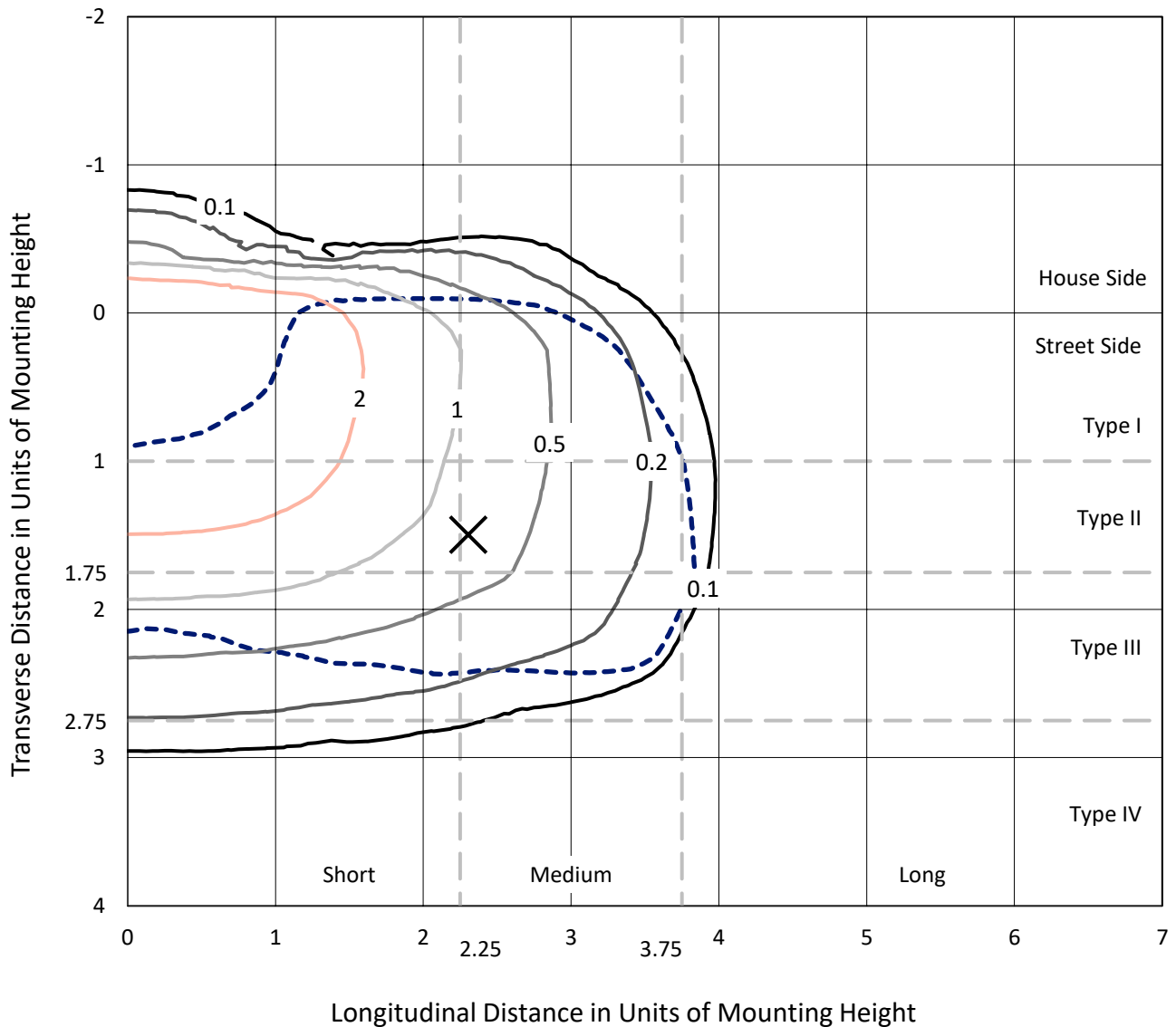
Lumens per Lamp: N/A  
Luminaire Lumens: 5918.3 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8  
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

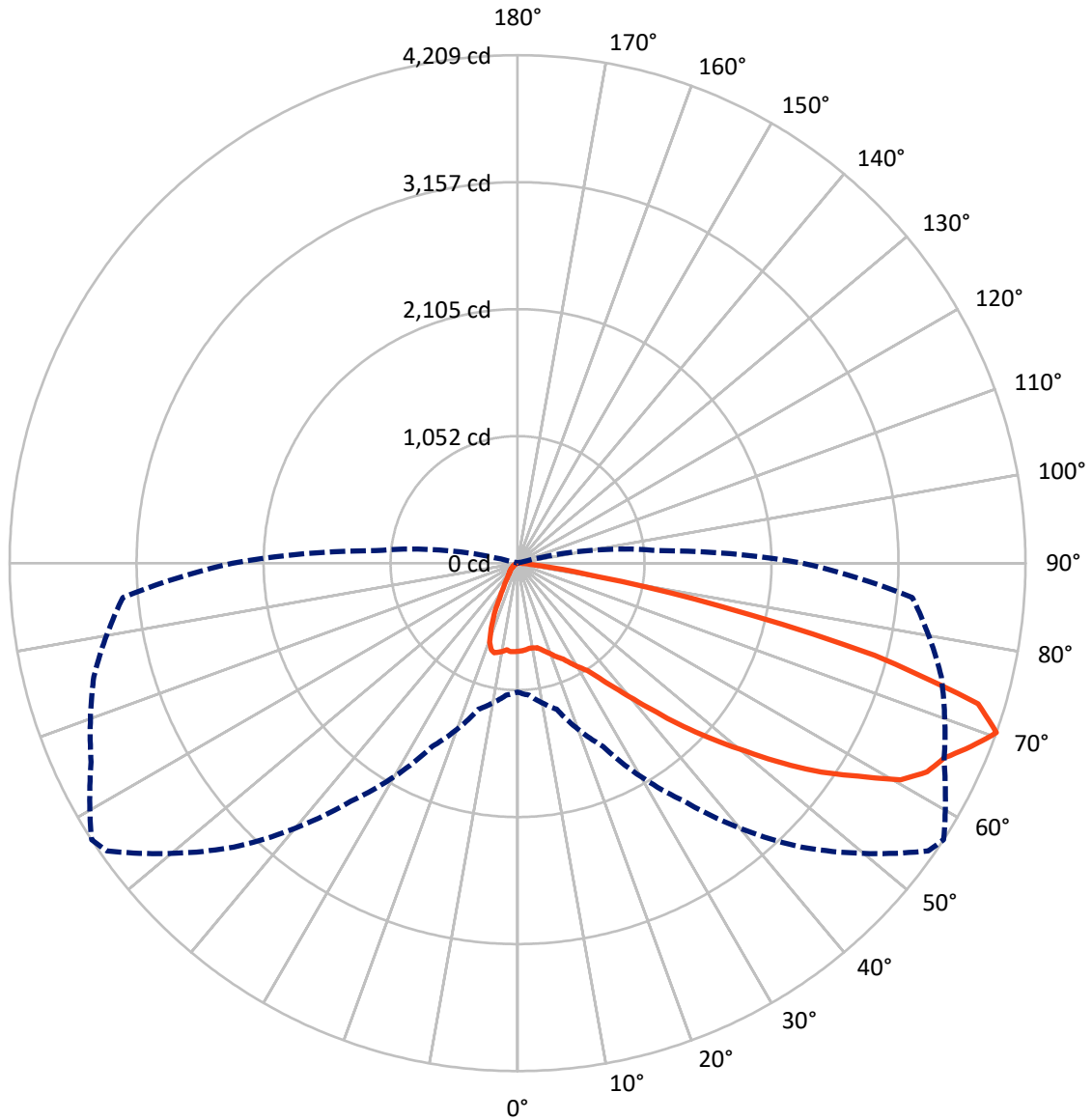
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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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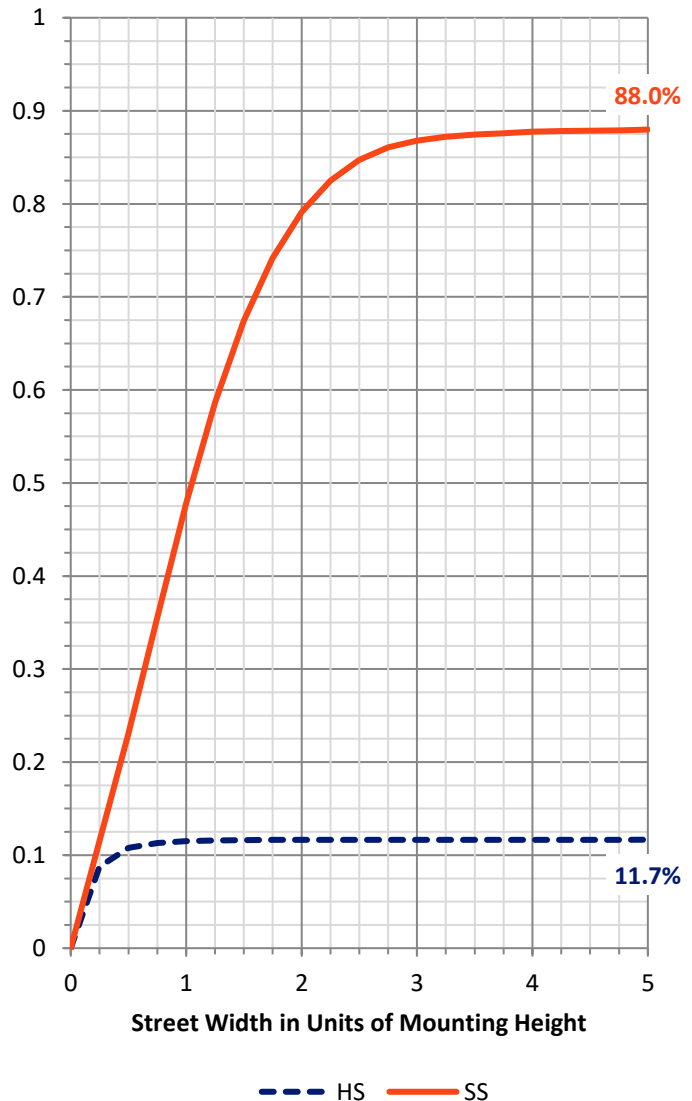
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	697.6	0.0	697.6
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	5220.7	0.0	5220.7
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	5918.3	0.0	5918.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.3	1.2
10°-20°	190.8	3.2
20°-30°	321.4	5.4
30°-40°	550.0	9.3
40°-50°	923.6	15.6
50°-60°	1417.7	24.0
60°-70°	1636.8	27.7
70°-80°	773.2	13.1
80°-90°	36.7	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°	5918.3	100.0
0°-180°	5918.3	100.0



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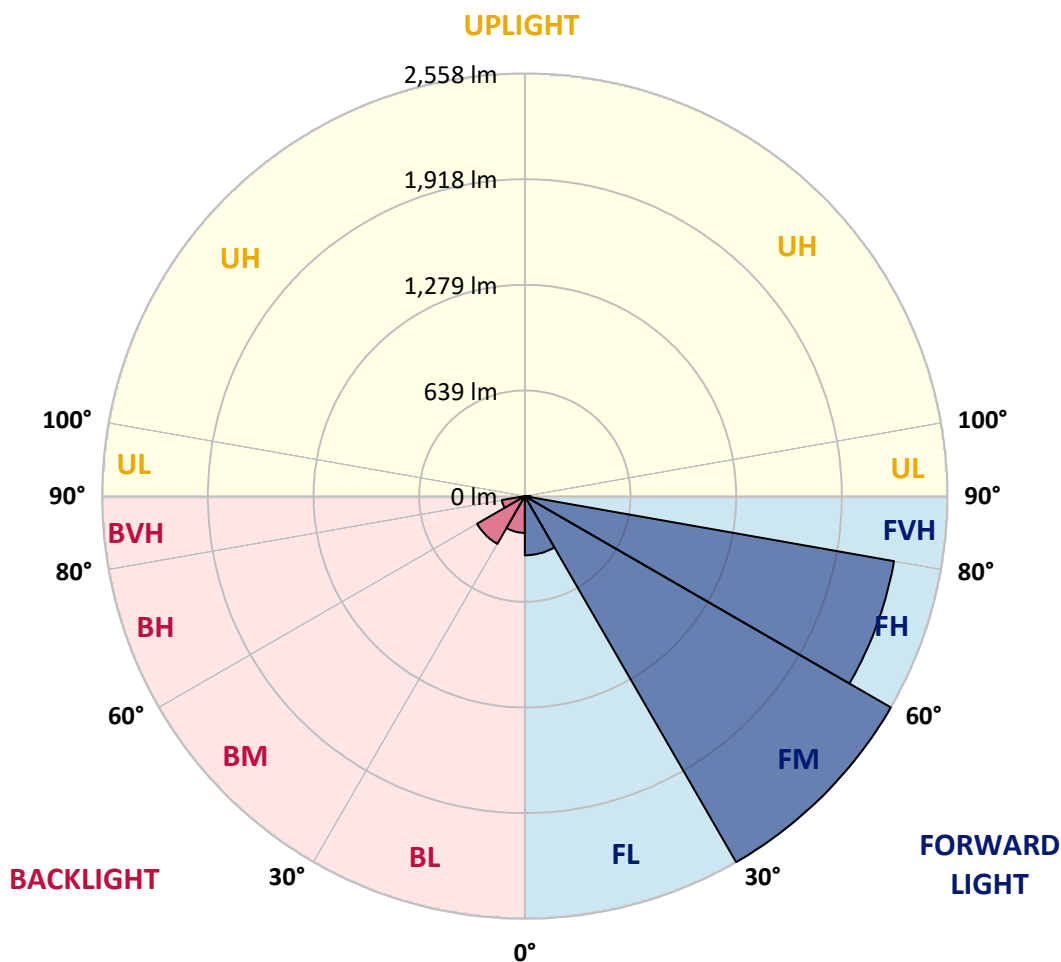
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.0	6.0			
FM (30°-60°)	2557.8	43.2			
FH (60°-80°)	2268.8	38.3			G2/5000
FVH (80°-90°)	36.0	0.6			G1/100
BL (0°-30°)	222.4	3.8	B1/500		
BM (30°-60°)	333.5	5.6	B1/1000		
BH (60°-80°)	141.1	2.4	B1/500		G1/500
BVH (80°-90°)	0.7	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°	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2
2.5°	719.7	715.1	719.7	725.7	719.7	724.2	722.7	727.2	721.2	721.2	725.7
5°	672.8	680.3	683.4	690.9	698.5	712.1	721.2	721.2	730.2	734.8	740.8
7.5°	656.2	644.1	656.2	662.2	669.8	692.4	706.0	712.1	724.2	740.8	749.9
10°	632.0	641.0	641.0	660.7	671.3	684.9	709.1	713.6	740.8	757.5	766.5
12.5°	630.5	630.5	638.0	651.6	672.8	698.5	728.7	719.7	748.4	778.6	793.7
15°	635.0	645.6	645.6	663.7	680.3	716.6	742.3	743.8	784.7	814.9	828.5
17.5°	654.6	650.1	656.2	666.7	692.4	727.2	769.5	774.1	821.0	861.8	881.4
20°	695.5	703.0	694.0	687.9	698.5	743.8	798.3	807.3	860.3	899.6	919.2
22.5°	848.2	842.1	805.8	763.5	745.4	766.5	825.5	846.7	908.6	955.5	972.1
25°	1020.5	1009.9	967.6	904.1	821.0	811.9	879.9	879.9	969.1	1020.5	1016.0
27.5°	1183.8	1180.8	1130.9	1064.4	946.4	881.4	923.8	940.4	1037.2	1079.5	1059.8
30°	1350.1	1353.1	1307.8	1227.6	1103.7	993.3	985.7	999.4	1088.6	1155.1	1114.3
32.5°	1543.6	1516.4	1484.7	1374.3	1260.9	1136.9	1065.9	1059.8	1146.0	1206.5	1152.1
35°	1716.0	1699.4	1664.6	1564.8	1434.8	1286.6	1186.8	1171.7	1218.6	1298.7	1239.7
37.5°	1867.2	1850.5	1805.2	1738.7	1637.4	1472.6	1332.0	1309.3	1328.9	1413.6	1342.6
40°	1997.2	2001.7	1989.6	1924.6	1830.9	1681.2	1519.4	1483.2	1466.5	1542.1	1462.0
42.5°	2090.9	2134.8	2137.8	2057.7	1982.1	1900.4	1719.0	1690.3	1651.0	1714.5	1658.5
45°	2287.5	2263.3	2278.4	2249.7	2166.5	2154.4	1948.8	1932.2	1877.8	1898.9	1840.0
47.5°	2441.7	2437.2	2465.9	2419.0	2396.3	2397.8	2210.4	2181.6	2104.5	2143.8	2077.3
50°	2530.9	2506.7	2611.0	2647.3	2642.8	2660.9	2474.9	2450.8	2376.7	2434.1	2292.0
52.5°	2552.1	2595.9	2694.2	2825.7	2881.6	2919.4	2763.7	2754.6	2674.5	2710.8	2514.3
55°	2605.0	2647.3	2704.8	2921.0	3128.1	3137.2	3048.0	3057.0	2986.0	2976.9	2725.9
57.5°	2603.5	2594.4	2753.1	3004.1	3291.4	3421.4	3373.0	3329.2	3252.1	3162.9	2862.0
60°	2508.2	2503.7	2668.5	3014.7	3380.6	3678.4	3698.1	3646.7	3453.1	3321.6	3022.2
62.5°	2319.2	2337.4	2503.7	2924.0	3465.2	3770.6	3843.2	3808.4	3568.0	3427.4	3211.2
65°	2103.0	2065.2	2258.8	2697.2	3274.7	3743.4	3900.7	3888.6	3704.1	3542.3	3385.1
67.5°	1687.3	1703.9	1852.1	2320.7	2949.7	3643.6	4035.2	4053.4	3813.0	3643.6	3438.0
70°	1068.9	1099.1	1253.3	1676.7	2408.4	3329.2	4156.2	4209.1	3899.1	3634.6	3283.8
72.5°	311.4	323.5	533.7	836.1	1534.6	2670.0	3962.6	3989.9	3731.3	3298.9	2540.0
75°	102.8	108.9	157.2	272.1	601.7	1380.3	2927.0	3055.5	2969.3	2391.8	1452.9
77.5°	68.0	71.1	86.2	130.0	228.3	432.4	1569.3	1706.9	1673.7	1120.3	468.7
80°	49.9	51.4	63.5	87.7	139.1	155.7	579.1	669.8	647.1	257.0	93.7
82.5°	31.7	31.7	46.9	62.0	87.7	77.1	167.8	186.0	181.4	98.3	36.3
85°	21.2	22.7	34.8	48.4	48.4	36.3	48.4	55.9	60.5	52.9	16.6
87.5°	6.0	7.6	19.7	33.3	19.7	18.1	16.6	18.1	21.2	28.7	9.1
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°	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2	730.2
2.5°	730.2	736.3	734.8	737.8	733.3	728.7	733.3	733.3	733.3	728.7	725.7
5°	736.3	733.3	736.3	730.2	736.3	730.2	727.2	718.1	716.6	716.6	722.7
7.5°	745.4	748.4	734.8	734.8	721.2	724.2	716.6	718.1	715.1	710.6	707.6
10°	759.0	771.1	757.5	752.9	737.8	725.7	707.6	698.5	698.5	692.4	698.5
12.5°	796.8	792.2	784.7	769.5	751.4	727.2	683.4	639.5	603.2	576.0	589.6
15°	827.0	825.5	814.9	786.2	762.0	687.9	577.5	464.1	403.7	376.5	371.9
17.5°	873.9	869.3	851.2	813.4	733.3	570.0	396.1	300.9	241.9	228.3	223.8
20°	917.7	916.2	876.9	828.5	660.7	415.8	258.5	198.1	181.4	182.9	179.9
22.5°	964.6	957.0	910.2	810.4	526.1	276.7	184.4	176.9	170.8	169.3	172.4
25°	1017.5	990.3	943.4	769.5	387.0	190.5	173.9	167.8	161.8	160.3	160.3
27.5°	1038.7	1020.5	958.5	671.3	244.9	166.3	163.3	155.7	148.2	143.6	142.1
30°	1087.0	1056.8	973.7	527.6	173.9	152.7	148.2	139.1	128.5	121.0	121.0
32.5°	1135.4	1099.1	975.2	368.9	145.1	137.6	130.0	117.9	104.3	96.8	98.3
35°	1195.9	1146.0	958.5	238.9	130.0	121.0	105.8	92.2	80.1	74.1	74.1
37.5°	1298.7	1251.8	890.5	157.2	117.9	102.8	87.7	72.6	62.0	57.5	57.5
40°	1428.7	1368.3	796.8	124.0	104.3	87.7	69.5	55.9	49.9	45.4	45.4
42.5°	1584.5	1508.9	657.7	110.4	92.2	72.6	54.4	43.8	37.8	37.8	36.3
45°	1740.2	1616.2	515.6	101.3	81.6	60.5	42.3	34.8	31.7	30.2	30.2
47.5°	1962.4	1746.2	368.9	92.2	71.1	46.9	34.8	28.7	25.7	24.2	25.7
50°	2175.6	1868.7	261.6	83.2	59.0	37.8	28.7	25.7	22.7	21.2	21.2
52.5°	2363.1	1953.4	182.9	72.6	49.9	31.7	25.7	22.7	21.2	19.7	19.7
55°	2465.9	1924.6	125.5	62.0	40.8	27.2	22.7	19.7	18.1	16.6	16.6
57.5°	2571.7	1844.5	95.2	51.4	33.3	25.7	21.2	18.1	16.6	15.1	15.1
60°	2660.9	1785.5	74.1	40.8	27.2	21.2	18.1	15.1	13.6	12.1	10.6
62.5°	2665.4	1667.6	54.4	30.2	21.2	18.1	15.1	12.1	7.6	6.0	4.5
65°	2683.6	1543.6	39.3	22.7	15.1	13.6	10.6	6.0	3.0	0.0	0.0
67.5°	2620.1	1397.0	31.7	16.6	10.6	7.6	4.5	1.5	0.0	0.0	0.0
70°	2361.6	1179.3	24.2	12.1	7.6	4.5	1.5	0.0	0.0	0.0	0.0
72.5°	1690.3	766.5	16.6	9.1	3.0	1.5	0.0	0.0	0.0	0.0	0.0
75°	901.1	326.6	12.1	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	282.7	83.2	7.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	62.0	22.7	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.2	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.5	1.5	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)