

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: P676960

Luminaire Tested: **CCW-SA-2E-722-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676960  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-722-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

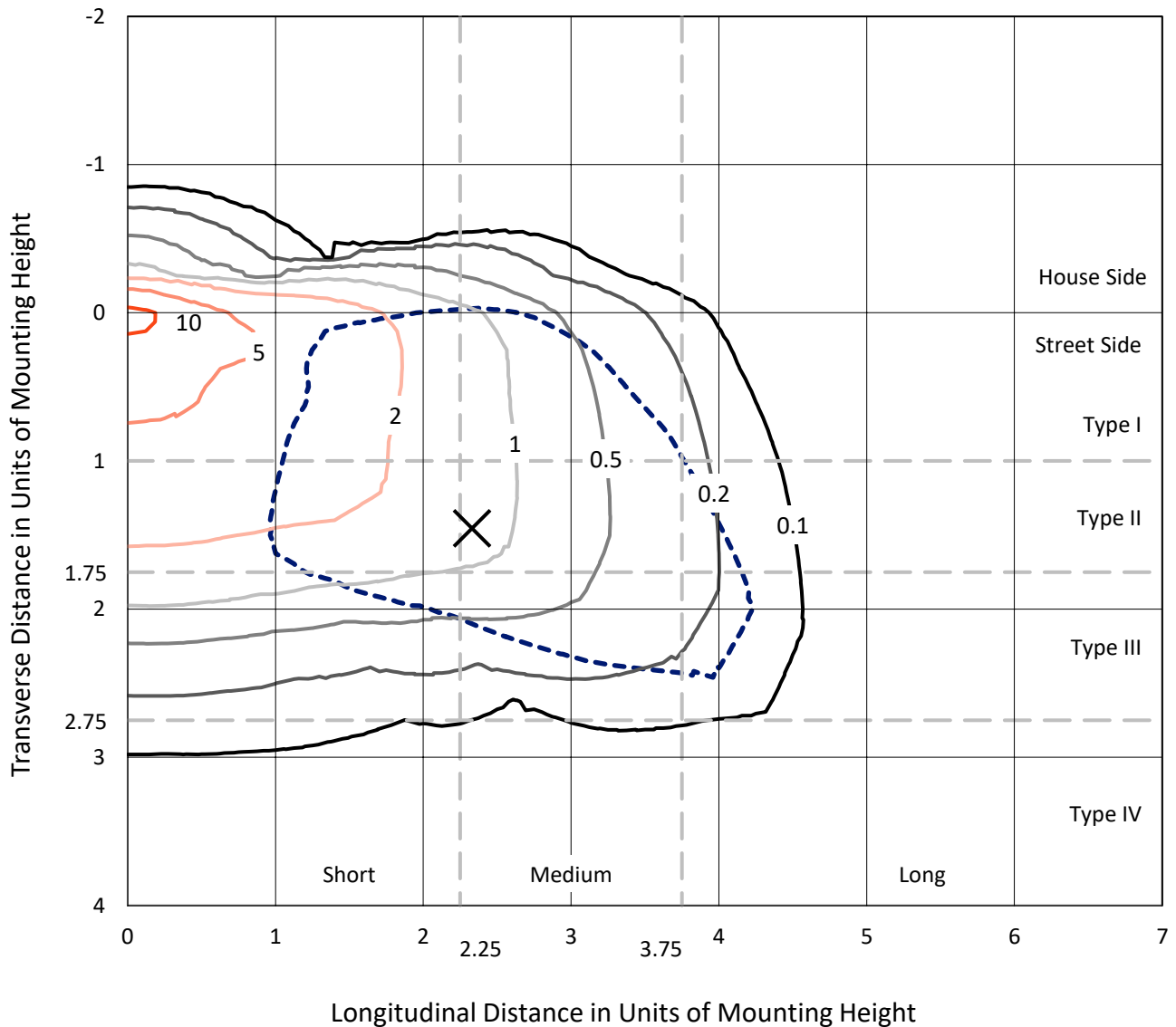
Lumens per Lamp: N/A  
Luminaire Lumens: 8322.6 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

REPORT NUMBER: P676960  
 CATALOG NUMBER: CCW-SA-2E-722-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

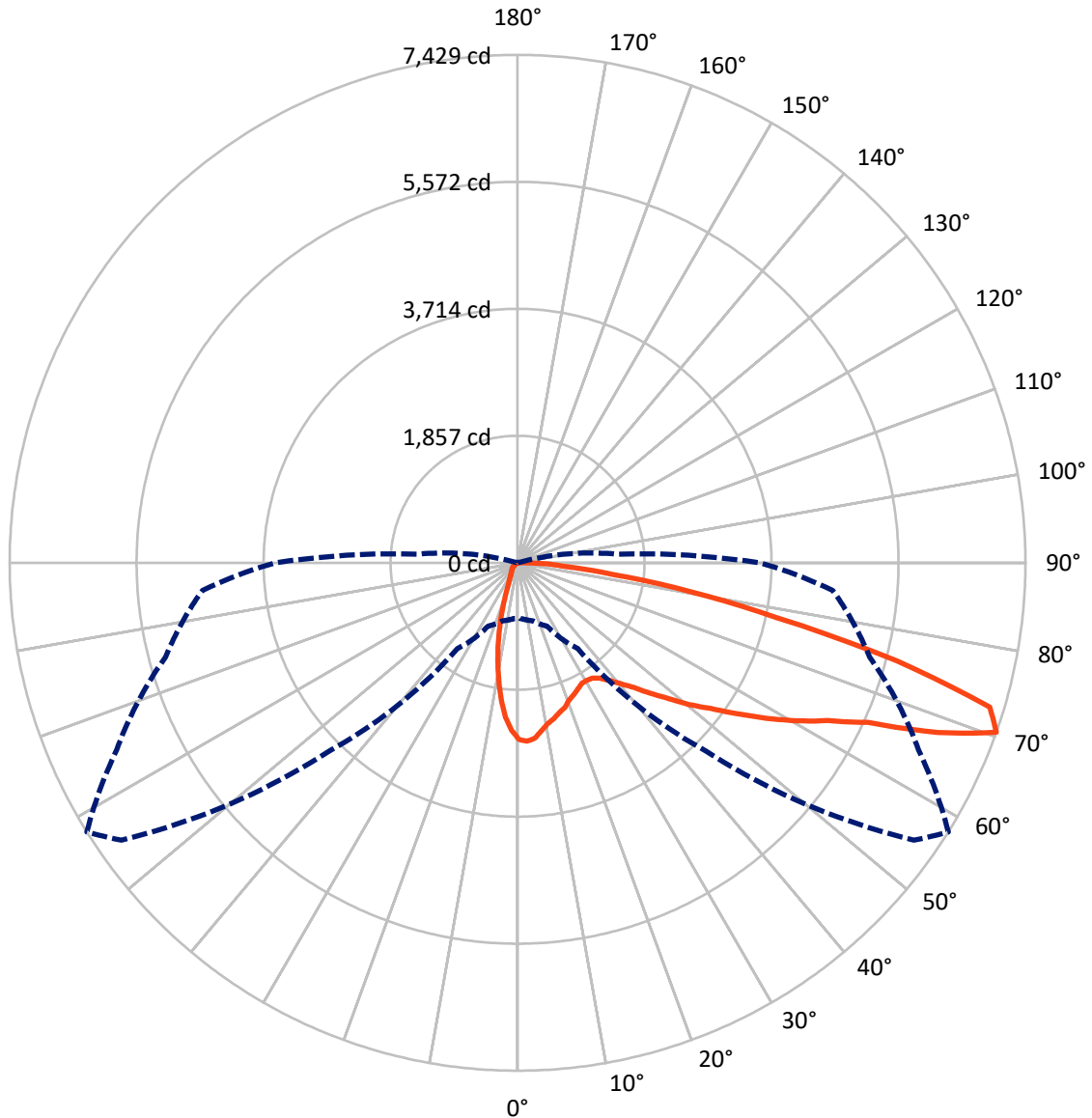
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P676960  
CATALOG NUMBER: CCW-SA-2E-722-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: CCW-SA-2E-722-U-SL3-HSS

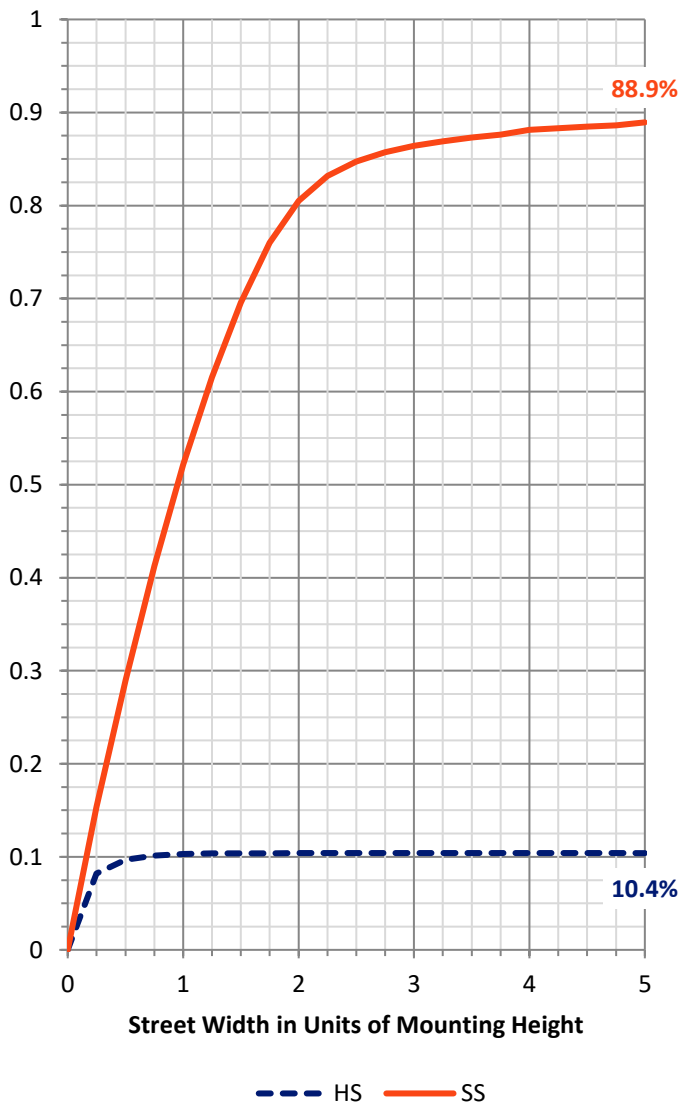
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	871.5	0.0	871.5
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	7451.1	0.0	7451.1
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	8322.6	0.0	8322.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.8	2.5
10°-20°	438.9	5.3
20°-30°	587.6	7.1
30°-40°	794.4	9.5
40°-50°	1140.1	13.7
50°-60°	1680.1	20.2
60°-70°	2049.3	24.6
70°-80°	1251.4	15.0
80°-90°	170.0	2.0
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°	8322.6	100.0
0°-180°	8322.6	100.0

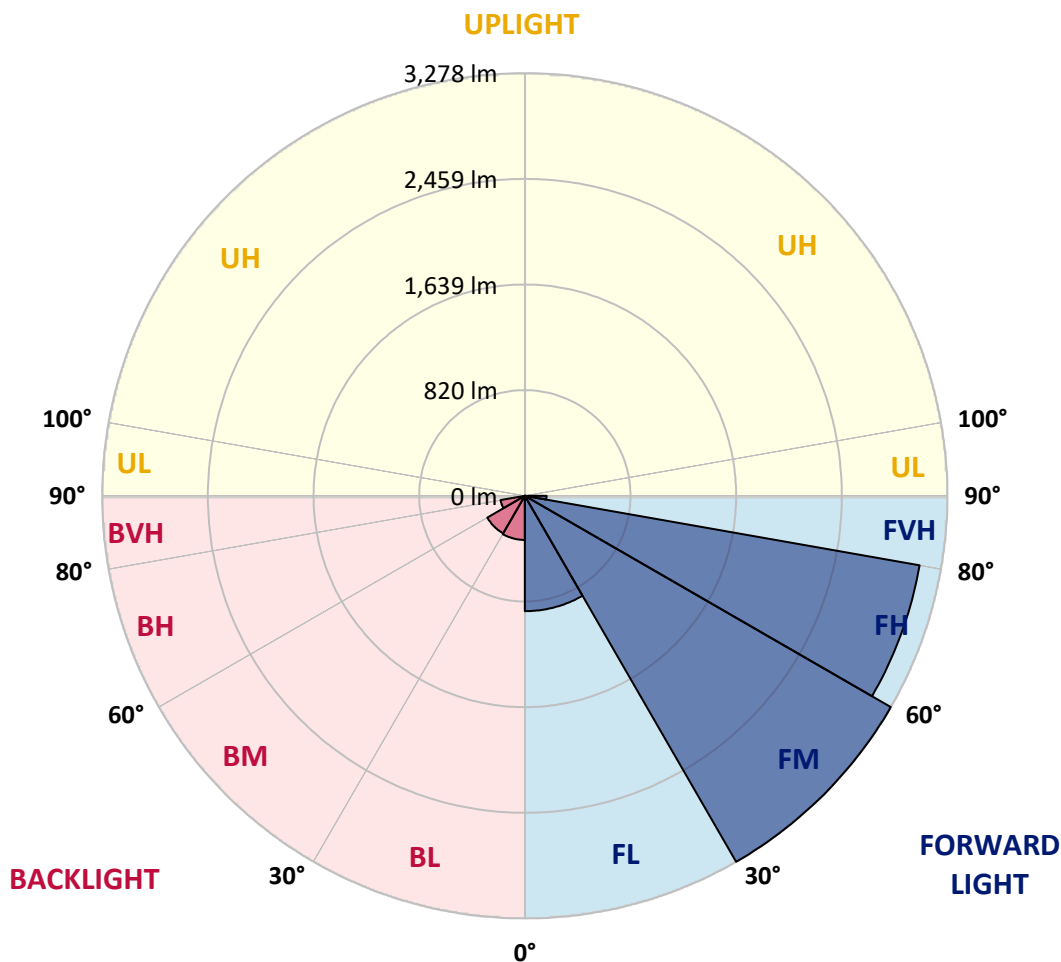


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 CATALOG NUMBER: CCW-SA-2E-722-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	894.8	10.8			
FM (30°-60°)	3278.2	39.4			
FH (60°-80°)	3109.7	37.4			G2/5000
FVH (80°-90°)	168.4	2.0			G2/225
BL (0°-30°)	342.5	4.1	B1/500		
BM (30°-60°)	336.4	4.0	B1/1000		
BH (60°-80°)	191.0	2.3	B1/500		G1/500
BVH (80°-90°)	1.7	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





REPORT NUMBER: P676960

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6
2.5°	2630.4	2640.2	2616.8	2644.1	2618.7	2630.4	2616.8	2612.9	2614.8	2616.8	2601.2
5°	2507.5	2530.9	2540.7	2525.0	2562.1	2556.3	2579.7	2581.6	2571.9	2562.1	2564.1
7.5°	2345.5	2368.9	2378.7	2388.5	2425.5	2474.3	2505.5	2486.0	2501.6	2536.8	2484.1
10°	2228.4	2222.6	2220.6	2240.2	2310.4	2351.4	2404.1	2398.2	2437.2	2470.4	2427.5
12.5°	2084.0	2072.3	2107.5	2123.1	2185.5	2257.7	2298.7	2341.6	2380.6	2415.8	2367.0
15°	1976.7	1986.5	2000.1	2033.3	2078.2	2173.8	2234.3	2275.3	2345.5	2363.1	2343.6
17.5°	1890.9	1898.7	1918.2	1935.7	1992.3	2084.0	2179.7	2228.4	2302.6	2349.4	2288.9
20°	1892.8	1869.4	1869.4	1887.0	1918.2	2027.5	2128.9	2144.5	2246.0	2326.0	2285.0
22.5°	1894.8	1887.0	1869.4	1867.4	1881.1	1959.2	2062.6	2097.7	2207.0	2300.6	2251.9
25°	1922.1	1892.8	1894.8	1867.4	1873.3	1912.3	1994.3	2047.0	2171.9	2314.3	2234.3
27.5°	1945.5	1959.2	1931.8	1920.1	1887.0	1885.0	1953.3	1998.2	2154.3	2345.5	2246.0
30°	1998.2	2007.9	2007.9	2000.1	1968.9	1924.0	1939.6	1996.2	2119.2	2339.7	2226.5
32.5°	2086.0	2068.4	2091.8	2080.1	2039.2	1968.9	1982.6	2011.8	2140.6	2413.8	2257.7
35°	2115.3	2128.9	2160.1	2134.8	2121.1	2080.1	2052.8	2074.3	2171.9	2488.0	2304.5
37.5°	2205.0	2185.5	2207.0	2263.6	2277.2	2203.1	2150.4	2181.6	2288.9	2575.8	2347.5
40°	2212.8	2228.4	2267.5	2378.7	2392.4	2361.1	2318.2	2326.0	2406.0	2689.0	2454.8
42.5°	2251.9	2269.4	2349.4	2443.1	2517.2	2523.1	2491.9	2491.9	2560.2	2870.4	2573.8
45°	2328.0	2298.7	2402.1	2560.2	2667.5	2689.0	2729.9	2720.2	2774.8	3061.7	2796.3
47.5°	2357.2	2367.0	2480.2	2671.4	2794.3	2893.9	2962.2	2964.1	2991.4	3305.6	3085.1
50°	2452.8	2450.9	2587.5	2765.1	2946.5	3128.0	3260.7	3260.7	3258.8	3543.7	3332.9
52.5°	2579.7	2575.8	2681.2	2891.9	3128.0	3356.3	3531.9	3537.8	3582.7	3836.4	3617.8
55°	2786.5	2769.0	2870.4	3026.5	3309.5	3586.6	3891.0	3892.9	3857.8	4045.1	3822.7
57.5°	2960.2	2958.2	3042.2	3192.4	3512.4	3883.2	4236.4	4289.1	4177.8	4259.8	3986.6
60°	2915.3	2940.7	3114.4	3336.8	3727.1	4253.9	4609.1	4691.0	4513.5	4406.1	4109.5
62.5°	2636.3	2694.8	2884.1	3239.2	3908.6	4792.5	5122.3	5085.2	4689.1	4531.0	4259.8
65°	1896.7	1955.3	2189.4	2722.1	3697.8	5173.0	5797.5	5629.6	5001.3	4716.4	4460.8
67.5°	1116.2	1139.6	1285.9	1736.7	2765.1	4966.2	6617.0	6630.7	5616.0	5001.3	4808.1
70°	805.9	823.5	880.1	1024.5	1531.8	3892.9	7073.6	7428.8	6468.7	5329.1	4624.7
72.5°	618.6	618.6	714.2	852.7	975.7	2331.9	6509.7	7221.9	6654.1	5015.0	3727.1
75°	444.9	456.6	560.0	733.7	899.6	1170.8	4796.4	5731.1	5639.4	4064.7	2603.1
77.5°	255.6	261.5	394.2	614.7	844.9	804.0	2964.1	3885.1	3994.4	2544.6	1127.9
80°	130.7	134.6	220.5	485.9	764.9	700.5	1767.9	2558.2	2169.9	739.6	261.5
82.5°	64.4	64.4	99.5	310.3	649.8	620.5	1040.1	1412.8	768.8	169.8	109.3
85°	21.5	23.4	44.9	175.6	470.3	374.7	636.1	671.3	257.6	64.4	60.5
87.5°	5.9	7.8	11.7	64.4	204.9	245.9	378.6	429.3	105.4	25.4	29.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P676960

CATALOG NUMBER: CCW-SA-2E-722-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6	2583.6
2.5°	2542.6	2529.0	2513.3	2474.3	2443.1	2402.1	2374.8	2353.3	2312.4	2320.2	2302.6
5°	2517.2	2491.9	2402.1	2316.3	2238.2	2119.2	2037.2	1984.5	1941.6	1898.7	1929.9
7.5°	2472.4	2411.9	2271.4	2111.4	1945.5	1789.4	1633.3	1539.6	1471.3	1408.9	1406.9
10°	2396.3	2298.7	2078.2	1869.4	1613.8	1408.9	1209.8	1053.7	952.3	878.1	876.2
12.5°	2310.4	2208.9	1931.8	1592.3	1297.6	1008.8	770.8	604.9	509.3	450.8	443.0
15°	2255.8	2107.5	1748.4	1346.4	981.5	657.6	427.3	323.9	286.8	273.2	273.2
17.5°	2185.5	2015.7	1566.9	1090.8	681.0	380.5	277.1	249.8	247.8	243.9	240.0
20°	2156.2	1945.5	1405.0	870.3	431.2	269.3	238.1	232.2	232.2	228.3	224.4
22.5°	2078.2	1844.0	1233.3	638.1	286.8	236.1	224.4	216.6	212.7	208.8	212.7
25°	2043.1	1771.8	1071.3	441.0	234.2	210.7	204.9	197.1	191.2	189.3	189.3
27.5°	2019.6	1699.6	913.2	306.4	206.8	193.2	181.5	175.6	167.8	160.0	160.0
30°	2002.1	1643.0	761.0	226.4	185.4	171.7	162.0	148.3	138.5	130.7	130.7
32.5°	1978.7	1576.7	608.8	193.2	167.8	154.2	136.6	124.9	111.2	105.4	105.4
35°	1986.5	1531.8	478.1	171.7	150.3	132.7	117.1	101.5	87.8	82.0	80.0
37.5°	2002.1	1498.6	363.0	154.2	134.6	115.1	97.6	80.0	72.2	64.4	64.4
40°	2068.4	1488.9	267.3	142.4	122.9	101.5	82.0	66.3	58.5	52.7	50.7
42.5°	2179.7	1502.5	206.8	128.8	111.2	85.9	68.3	54.6	46.8	41.0	39.0
45°	2322.1	1555.2	169.8	121.0	97.6	72.2	54.6	44.9	35.1	31.2	31.2
47.5°	2529.0	1637.2	148.3	111.2	85.9	60.5	46.8	35.1	27.3	23.4	23.4
50°	2763.1	1730.8	130.7	99.5	74.2	50.7	37.1	27.3	19.5	17.6	17.6
52.5°	2997.3	1849.9	121.0	91.7	64.4	41.0	29.3	19.5	13.7	11.7	11.7
55°	3243.1	1955.3	109.3	85.9	52.7	33.2	21.5	11.7	7.8	5.9	5.9
57.5°	3414.9	1996.2	95.6	74.2	41.0	25.4	15.6	7.8	3.9	2.0	2.0
60°	3537.8	2002.1	82.0	60.5	31.2	19.5	9.8	3.9	2.0	0.0	0.0
62.5°	3641.2	2013.8	70.2	46.8	23.4	13.7	5.9	2.0	0.0	0.0	0.0
65°	3846.1	2004.0	56.6	37.1	15.6	7.8	3.9	0.0	0.0	0.0	0.0
67.5°	4008.1	1906.5	44.9	25.4	9.8	3.9	2.0	0.0	0.0	0.0	0.0
70°	3545.6	1453.8	35.1	17.6	5.9	2.0	0.0	0.0	0.0	0.0	0.0
72.5°	2784.6	969.8	23.4	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
75°	1826.5	482.0	17.6	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	710.3	126.8	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	171.7	42.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	74.2	15.6	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	44.9	7.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.4	3.9	2.0	2.0	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)