

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: P675530

Luminaire Tested: **CCW-SA-2D-727-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675530  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2D-727-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
SL3 distribution lens  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

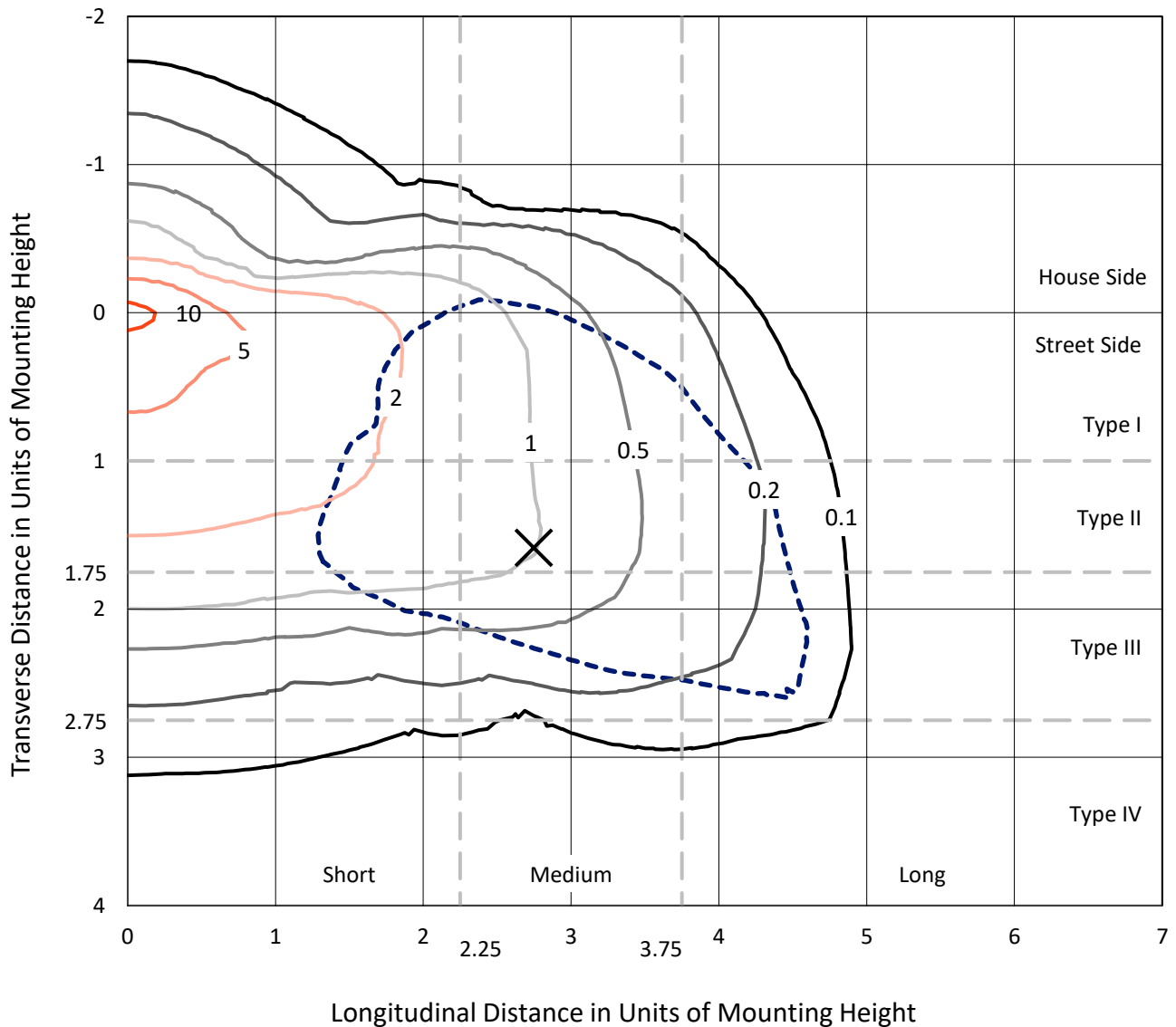
Lumens per Lamp: N/A  
Luminaire Lumens: 9222 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

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

REPORT NUMBER: P675530  
 CATALOG NUMBER: CCW-SA-2D-727-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

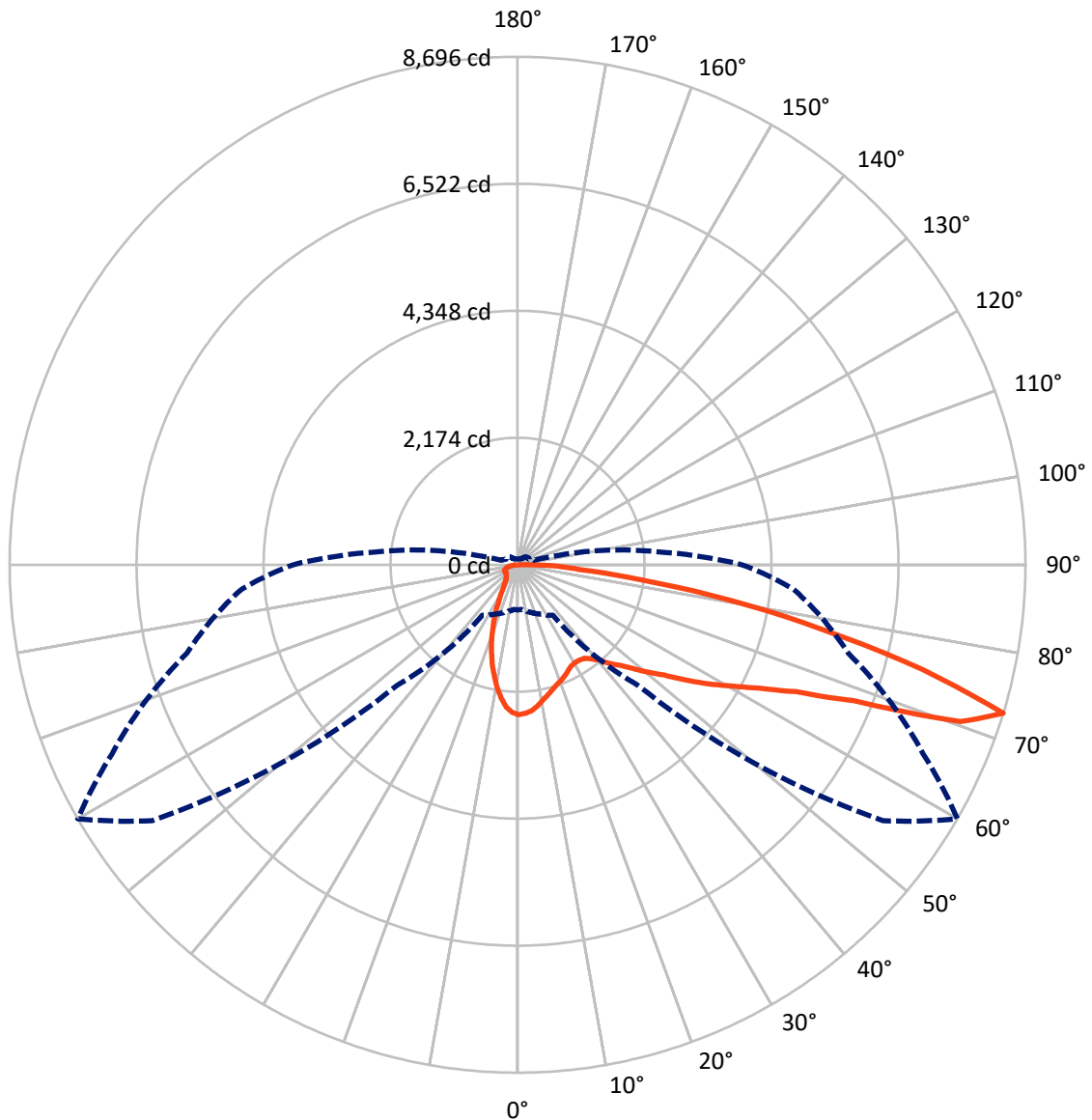
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P675530  
CATALOG NUMBER: CCW-SA-2D-727-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675530  
 CATALOG NUMBER: CCW-SA-2D-727-U-SL3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1584.2	0.0	1584.2
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	7637.8	0.0	7637.8
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	9222.0	0.0	9222.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.6	2.4
10°-20°	504.7	5.5
20°-30°	645.9	7.0
30°-40°	826.3	9.0
40°-50°	1133.3	12.3
50°-60°	1639.3	17.8
60°-70°	2248.8	24.4
70°-80°	1687.5	18.3
80°-90°	313.6	3.4
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°	9222.0	100.0
0°-180°	9222.0	100.0

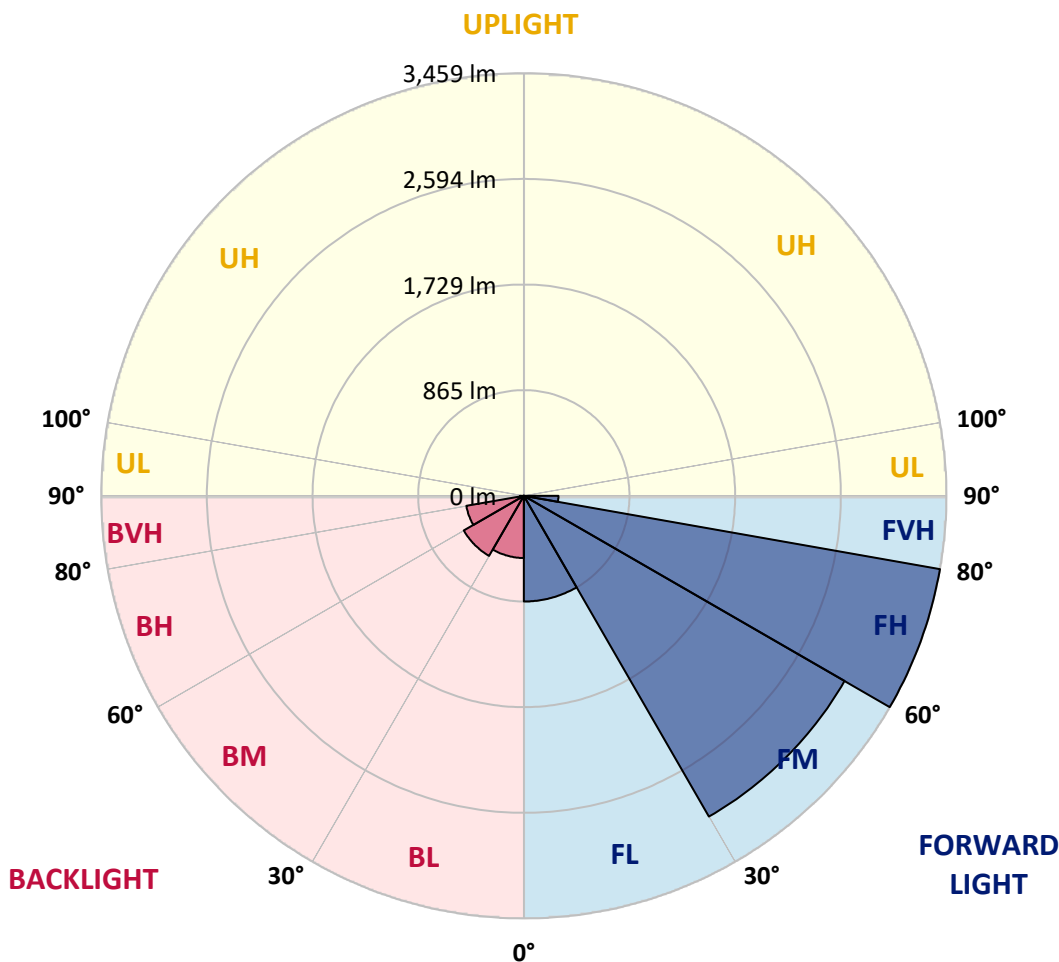


REPORT NUMBER: P675530  
 CATALOG NUMBER: CCW-SA-2D-727-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.7	9.4			
FM (30°-60°)	3031.2	32.9			
FH (60°-80°)	3458.8	37.5			G2/5000
FVH (80°-90°)	283.1	3.1			G3/500
BL (0°-30°)	508.5	5.5	B2/1000		
BM (30°-60°)	567.7	6.2	B1/1000		
BH (60°-80°)	477.4	5.2	B1/500		G1/500
BVH (80°-90°)	30.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Medium





REPORT NUMBER: P675530

CATALOG NUMBER: CCW-SA-2D-727-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9
2.5°	2513.0	2537.0	2543.9	2543.9	2564.4	2540.4	2574.7	2547.3	2554.2	2564.4	2557.6
5°	2392.8	2434.0	2410.0	2454.6	2437.4	2468.3	2509.5	2509.5	2499.2	2519.8	2502.7
7.5°	2276.1	2262.3	2303.5	2303.5	2331.0	2372.2	2406.5	2440.9	2444.3	2451.2	2447.7
10°	2118.2	2135.3	2155.9	2183.4	2217.7	2258.9	2331.0	2358.5	2365.3	2406.5	2396.2
12.5°	1987.7	2011.7	2025.5	2080.4	2111.3	2169.7	2252.0	2289.8	2293.2	2351.6	2351.6
15°	1891.6	1905.3	1936.2	1956.8	2025.5	2107.9	2186.8	2221.1	2258.9	2320.7	2303.5
17.5°	1826.4	1843.5	1857.3	1884.7	1949.9	2018.6	2142.2	2162.8	2207.4	2296.7	2276.1
20°	1788.6	1792.0	1812.6	1829.8	1888.1	1953.4	2063.2	2118.2	2176.5	2255.5	2234.9
22.5°	1795.5	1781.7	1778.3	1802.3	1812.6	1874.4	2008.3	2066.7	2149.1	2241.7	2207.4
25°	1809.2	1812.6	1805.8	1785.2	1788.6	1843.5	1932.8	2008.3	2101.0	2238.3	2169.7
27.5°	1843.5	1860.7	1833.2	1812.6	1792.0	1812.6	1905.3	1960.2	2063.2	2255.5	2166.2
30°	1877.9	1895.0	1888.1	1857.3	1816.1	1809.2	1874.4	1943.1	2042.6	2269.2	2166.2
32.5°	1929.3	1953.4	1929.3	1939.6	1891.6	1860.7	1884.7	1946.5	2063.2	2317.3	2169.7
35°	1987.7	2008.3	2015.2	1991.1	1980.8	1922.5	1936.2	1967.1	2083.8	2372.2	2204.0
37.5°	2052.9	2077.0	2097.6	2101.0	2066.7	2032.3	2025.5	2042.6	2135.3	2468.3	2241.7
40°	2097.6	2111.3	2152.5	2186.8	2197.1	2149.1	2145.6	2145.6	2228.0	2554.2	2310.4
42.5°	2173.1	2166.2	2224.6	2286.4	2303.5	2276.1	2282.9	2310.4	2358.5	2677.7	2420.3
45°	2210.9	2204.0	2272.6	2375.6	2454.6	2440.9	2447.7	2458.0	2502.7	2873.4	2605.6
47.5°	2262.3	2269.2	2368.8	2485.5	2567.9	2615.9	2653.7	2650.3	2684.6	3072.5	2811.6
50°	2313.8	2327.6	2447.7	2571.3	2715.5	2797.9	2852.8	2890.6	2924.9	3281.9	3048.5
52.5°	2413.4	2427.1	2561.0	2694.9	2880.3	3000.4	3137.8	3134.3	3137.8	3491.4	3285.4
55°	2557.6	2561.0	2640.0	2794.5	3045.1	3264.8	3453.6	3474.2	3415.8	3752.3	3556.6
57.5°	2722.4	2736.1	2804.8	2921.5	3175.5	3518.8	3807.2	3848.4	3690.5	3965.1	3803.8
60°	2876.9	2887.2	2993.6	3127.5	3402.1	3838.1	4164.2	4212.3	4040.6	4226.0	4061.2
62.5°	2701.8	2753.3	2942.1	3247.6	3800.3	4322.1	4617.4	4648.3	4380.5	4490.4	4335.9
65°	2162.8	2197.1	2468.3	2962.7	3827.8	5201.0	5317.7	5235.3	4847.4	4830.2	4751.3
67.5°	1205.0	1232.4	1417.8	1936.2	3223.6	5530.6	6824.8	6220.6	5571.8	5341.7	5314.3
70°	950.9	957.8	981.8	1088.3	1788.6	4874.9	8012.6	8040.1	6756.1	6045.5	5434.4
72.5°	772.4	769.0	841.1	933.8	1057.4	2924.9	7638.4	8695.8	7662.5	5860.1	4734.1
75°	590.5	600.8	693.5	827.4	968.1	1376.6	5698.8	7154.4	7178.4	5461.9	3992.6
77.5°	449.7	453.2	556.1	731.2	947.5	971.5	3717.9	5331.4	5355.5	4229.5	2200.6
80°	336.4	336.4	422.3	617.9	923.5	896.0	2289.8	3697.3	3347.2	1486.5	480.6
82.5°	192.2	206.0	281.5	470.3	837.7	861.7	1290.8	2118.2	1414.4	405.1	223.1
85°	103.0	106.4	171.6	315.8	690.0	823.9	985.3	1053.9	563.0	216.3	103.0
87.5°	37.8	37.8	79.0	161.4	436.0	611.1	782.7	672.9	322.7	99.6	51.5
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: P675530  
 CATALOG NUMBER: CCW-SA-2D-727-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9	2567.9
2.5°	2564.4	2550.7	2540.4	2550.7	2513.0	2495.8	2516.4	2506.1	2485.5	2475.2	2468.3
5°	2513.0	2495.8	2478.6	2468.3	2427.1	2385.9	2365.3	2324.1	2289.8	2300.1	2279.5
7.5°	2458.0	2440.9	2389.4	2341.3	2258.9	2176.5	2138.8	2080.4	2059.8	2042.6	2032.3
10°	2389.4	2358.5	2279.5	2183.4	2063.2	1970.5	1874.4	1805.8	1733.7	1702.8	1713.1
12.5°	2303.5	2286.4	2162.8	2015.2	1847.0	1692.5	1579.2	1469.3	1373.2	1321.7	1308.0
15°	2265.8	2214.3	2035.8	1840.1	1627.2	1435.0	1266.8	1074.5	961.2	906.3	906.3
17.5°	2224.6	2128.5	1915.6	1647.8	1404.1	1156.9	920.0	745.0	655.7	624.8	624.8
20°	2159.4	2052.9	1774.9	1465.9	1170.7	872.0	659.1	563.0	535.5	514.9	518.4
22.5°	2111.3	1980.8	1644.4	1287.4	926.9	648.8	518.4	487.5	477.2	470.3	473.8
25°	2056.4	1895.0	1507.1	1095.1	727.8	511.5	449.7	436.0	442.9	446.3	446.3
27.5°	2011.7	1822.9	1366.3	889.1	549.3	432.6	405.1	401.7	415.4	422.3	425.7
30°	1980.8	1757.7	1229.0	700.3	439.4	384.5	370.8	370.8	387.9	394.8	398.2
32.5°	1949.9	1702.8	1081.4	535.5	374.2	343.3	339.9	343.3	353.6	353.6	357.0
35°	1960.2	1651.3	940.6	432.6	336.4	315.8	315.8	315.8	319.3	322.7	322.7
37.5°	1980.8	1637.5	789.6	363.9	309.0	295.2	295.2	291.8	295.2	291.8	295.2
40°	2001.4	1616.9	652.3	322.7	291.8	281.5	278.1	271.2	267.8	267.8	271.2
42.5°	2087.3	1644.4	535.5	295.2	278.1	271.2	260.9	254.0	250.6	250.6	250.6
45°	2197.1	1695.9	442.9	281.5	267.8	250.6	243.7	240.3	233.4	236.9	240.3
47.5°	2361.9	1774.9	387.9	271.2	257.5	236.9	230.0	223.1	223.1	230.0	230.0
50°	2578.2	1905.3	353.6	260.9	247.2	226.6	216.3	212.8	212.8	223.1	223.1
52.5°	2811.6	2056.4	339.9	257.5	236.9	216.3	206.0	202.5	202.5	216.3	216.3
55°	3045.1	2241.7	350.2	257.5	230.0	206.0	195.7	188.8	192.2	202.5	202.5
57.5°	3302.5	2440.9	401.7	257.5	223.1	202.5	188.8	178.5	181.9	185.4	185.4
60°	3584.1	2701.8	490.9	257.5	219.7	195.7	178.5	164.8	164.8	168.2	168.2
62.5°	3869.0	2959.2	617.9	260.9	223.1	192.2	164.8	151.1	147.6	151.1	151.1
65°	4243.2	3371.2	745.0	260.9	233.4	185.4	154.5	137.3	133.9	133.9	137.3
67.5°	4768.4	3666.4	576.7	250.6	240.3	185.4	144.2	127.0	120.2	120.2	120.2
70°	4490.4	3093.1	367.3	233.4	230.0	192.2	137.3	116.7	109.9	106.4	106.4
72.5°	3845.0	2475.2	295.2	219.7	212.8	188.8	130.5	109.9	99.6	96.1	96.1
75°	3082.8	1953.4	257.5	199.1	185.4	157.9	120.2	99.6	92.7	85.8	85.8
77.5°	1510.5	817.1	195.7	175.1	157.9	120.2	106.4	92.7	82.4	75.5	75.5
80°	377.6	284.9	144.2	137.3	116.7	92.7	85.8	79.0	72.1	65.2	65.2
82.5°	202.5	168.2	103.0	92.7	79.0	65.2	65.2	61.8	58.4	51.5	48.1
85°	103.0	99.6	68.7	61.8	51.5	41.2	44.6	44.6	41.2	30.9	30.9
87.5°	54.9	54.9	34.3	27.5	24.0	20.6	20.6	20.6	17.2	13.7	13.7
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)