

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: P675562

Luminaire Tested: **CCW-SA-2C-740-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675562
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

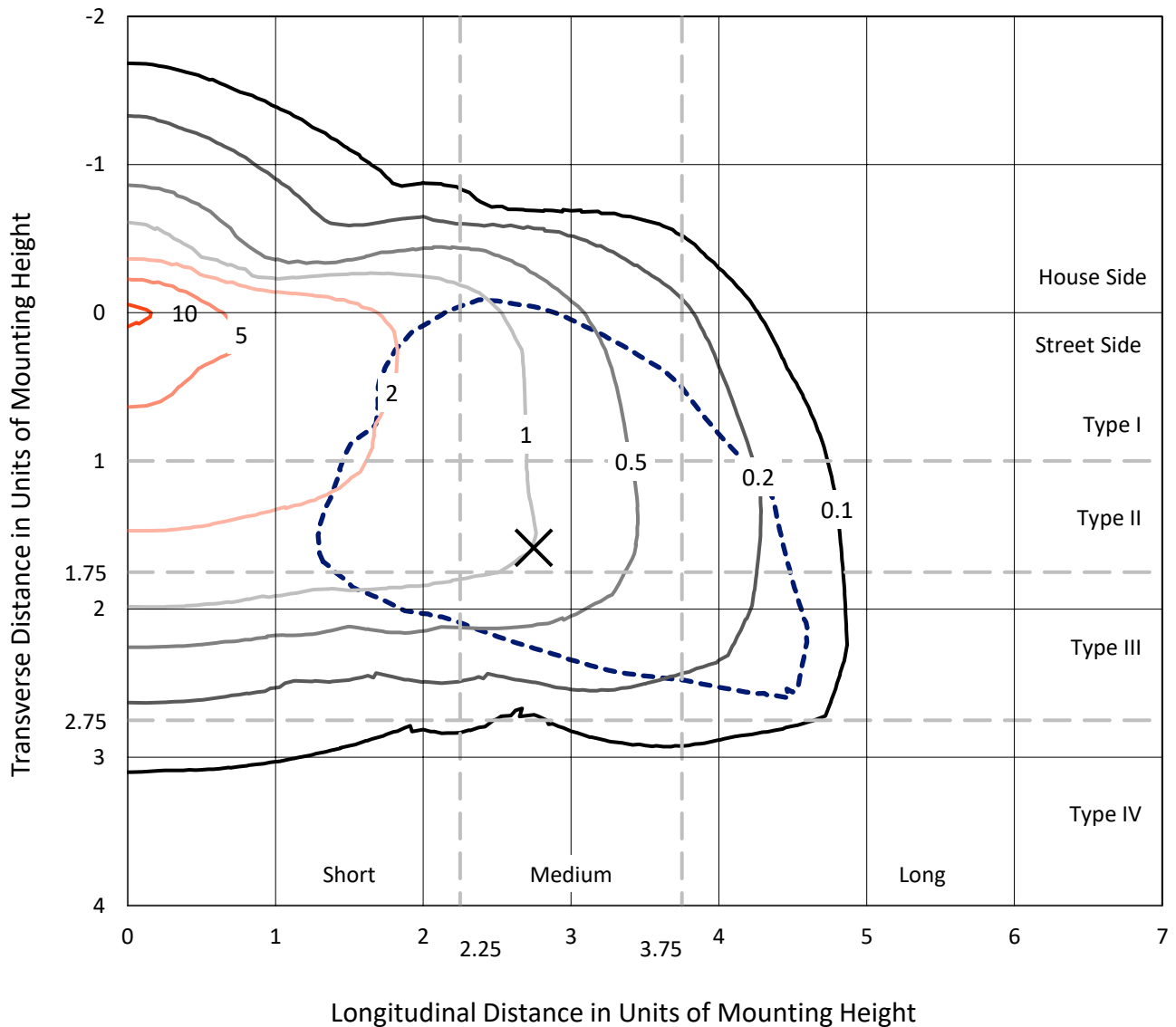
Lumens per Lamp: N/A
Luminaire Lumens: 8939.7 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

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

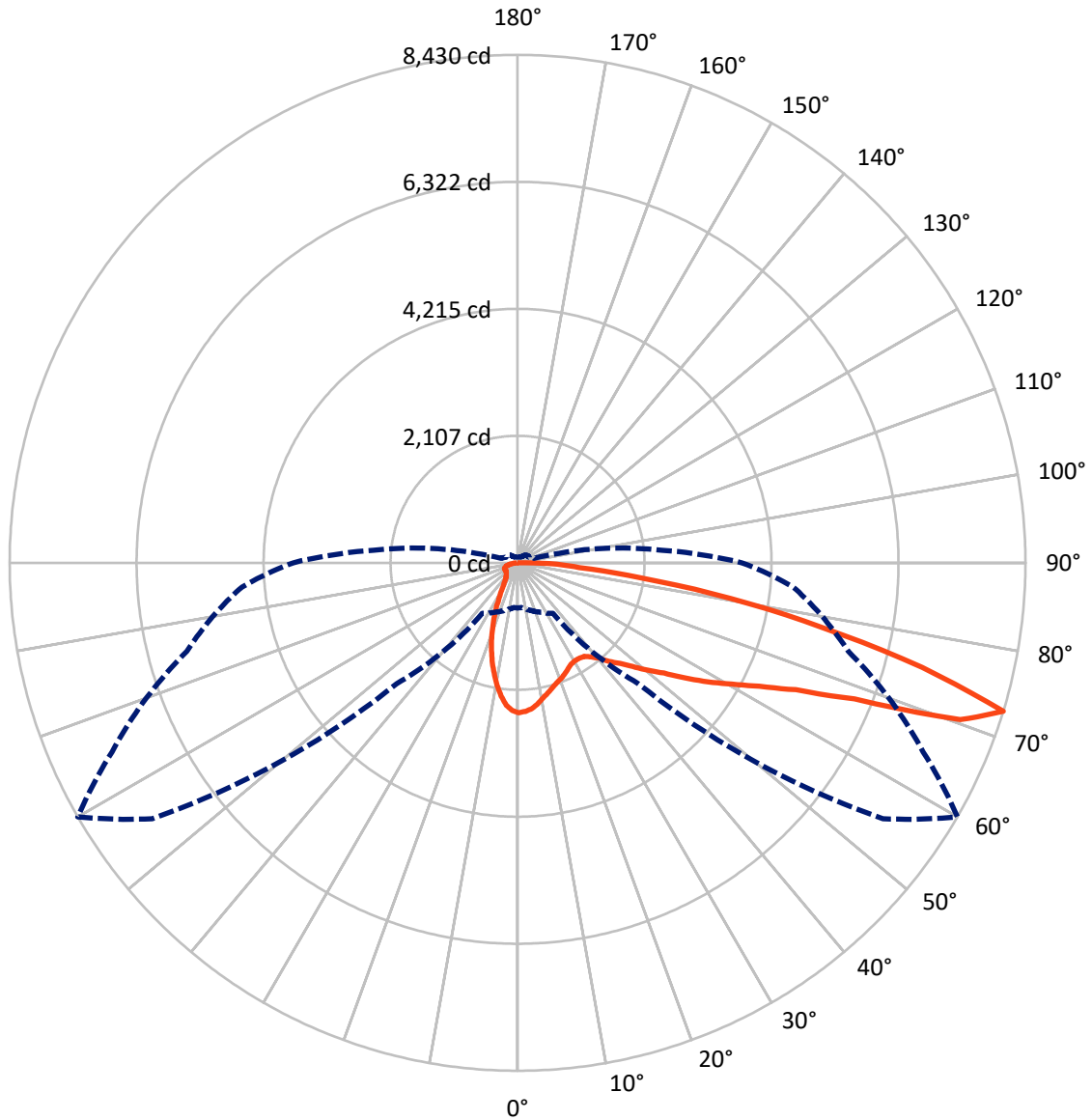
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.7	0.0	1535.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	7404.0	0.0	7404.0
	% Fixture	82.8	0.0	82.8
Total	Lumens	8939.7	0.0	8939.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.8	2.4
10°-20°	489.3	5.5
20°-30°	626.2	7.0
30°-40°	801.0	9.0
40°-50°	1098.6	12.3
50°-60°	1589.1	17.8
60°-70°	2179.9	24.4
70°-80°	1635.8	18.3
80°-90°	304.0	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°	8939.7	100.0
0°-180°	8939.7	100.0

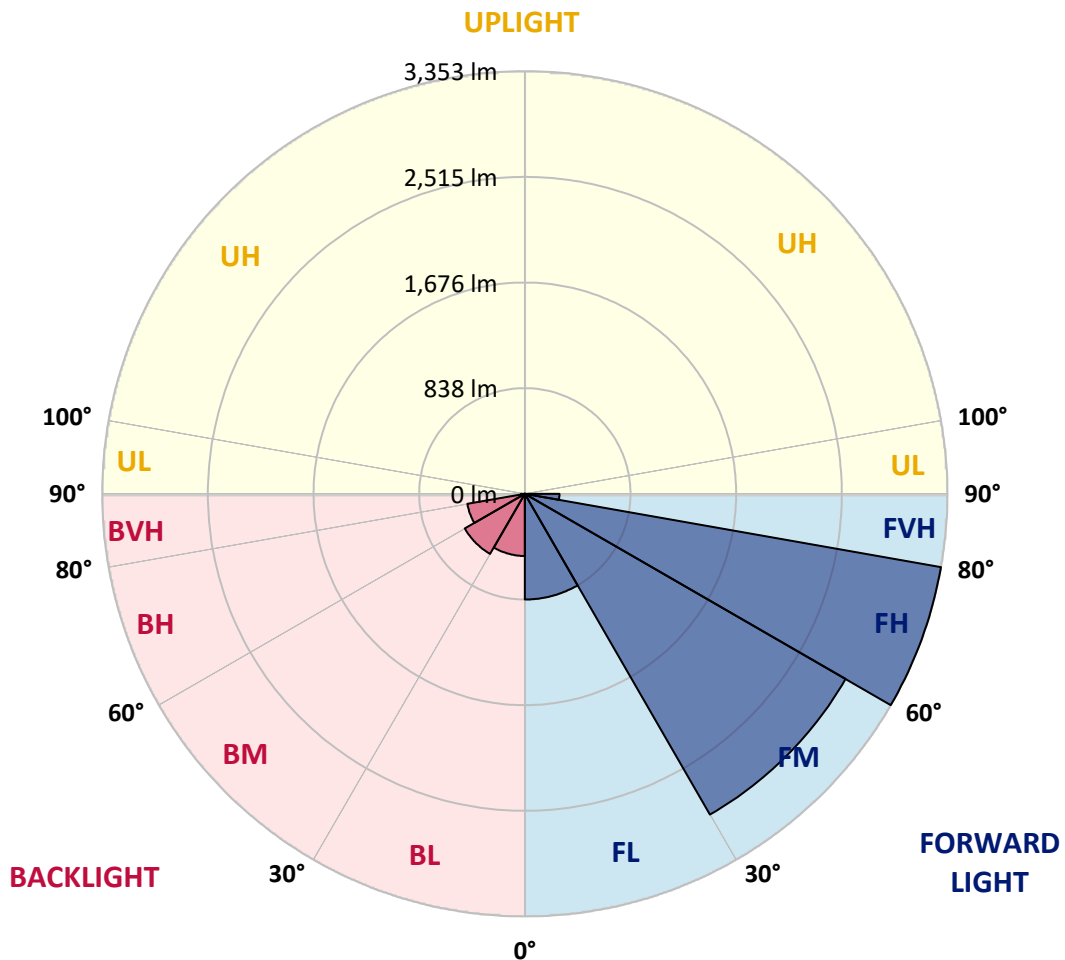


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	838.2	9.4			
FM (30°-60°)	2938.4	32.9			
FH (60°-80°)	3353.0	37.5			G2/5000
FVH (80°-90°)	274.4	3.1			G3/500
BL (0°-30°)	493.0	5.5	B1/500		
BM (30°-60°)	550.3	6.2	B1/1000		
BH (60°-80°)	462.8	5.2	B1/500		G1/500
BVH (80°-90°)	29.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3
2.5°	2436.0	2459.3	2466.0	2466.0	2485.9	2462.6	2495.9	2469.3	2476.0	2485.9	2479.3
5°	2319.5	2359.5	2336.2	2379.4	2362.8	2392.8	2432.7	2432.7	2422.7	2442.7	2426.0
7.5°	2206.4	2193.1	2233.0	2233.0	2259.6	2299.6	2332.9	2366.1	2369.5	2376.1	2372.8
10°	2053.3	2070.0	2089.9	2116.5	2149.8	2189.8	2259.6	2286.3	2292.9	2332.9	2322.9
12.5°	1926.9	1950.1	1963.5	2016.7	2046.7	2103.2	2183.1	2219.7	2223.0	2279.6	2279.6
15°	1833.7	1847.0	1876.9	1896.9	1963.5	2043.3	2119.9	2153.1	2189.8	2249.7	2233.0
17.5°	1770.4	1787.1	1800.4	1827.0	1890.2	1956.8	2076.6	2096.6	2139.8	2226.4	2206.4
20°	1733.8	1737.2	1757.1	1773.8	1830.3	1893.6	2000.1	2053.3	2109.9	2186.4	2166.5
22.5°	1740.5	1727.2	1723.9	1747.1	1757.1	1817.0	1946.8	2003.4	2083.3	2173.1	2139.8
25°	1753.8	1757.1	1750.5	1730.5	1733.8	1787.1	1873.6	1946.8	2036.7	2169.8	2103.2
27.5°	1787.1	1803.7	1777.1	1757.1	1737.2	1757.1	1847.0	1900.2	2000.1	2186.4	2099.9
30°	1820.4	1837.0	1830.3	1800.4	1760.5	1753.8	1817.0	1883.6	1980.1	2199.7	2099.9
32.5°	1870.3	1893.6	1870.3	1880.3	1833.7	1803.7	1827.0	1886.9	2000.1	2246.3	2103.2
35°	1926.9	1946.8	1953.5	1930.2	1920.2	1863.6	1876.9	1906.9	2020.0	2299.6	2136.5
37.5°	1990.1	2013.4	2033.3	2036.7	2003.4	1970.1	1963.5	1980.1	2070.0	2392.8	2173.1
40°	2033.3	2046.7	2086.6	2119.9	2129.9	2083.3	2079.9	2079.9	2159.8	2476.0	2239.7
42.5°	2106.6	2099.9	2156.5	2216.4	2233.0	2206.4	2213.1	2239.7	2286.3	2595.8	2346.2
45°	2143.2	2136.5	2203.1	2302.9	2379.4	2366.1	2372.8	2382.8	2426.0	2785.4	2525.9
47.5°	2193.1	2199.7	2296.2	2409.4	2489.3	2535.9	2572.5	2569.1	2602.4	2978.5	2725.5
50°	2243.0	2256.3	2372.8	2492.6	2632.4	2712.2	2765.5	2802.1	2835.4	3181.5	2955.2
52.5°	2339.5	2352.8	2482.6	2612.4	2792.1	2908.6	3041.7	3038.4	3041.7	3384.5	3184.8
55°	2479.3	2482.6	2559.2	2708.9	2951.8	3164.8	3347.9	3367.8	3311.3	3637.4	3447.7
57.5°	2639.0	2652.3	2718.9	2832.0	3078.3	3411.1	3690.6	3730.6	3577.5	3843.7	3687.3
60°	2788.8	2798.8	2901.9	3031.7	3297.9	3720.6	4036.7	4083.3	3916.9	4096.6	3936.9
62.5°	2619.1	2669.0	2852.0	3148.2	3684.0	4189.8	4476.0	4506.0	4246.4	4352.9	4203.1
65°	2096.6	2129.9	2392.8	2872.0	3710.6	5041.8	5154.9	5075.0	4699.0	4682.4	4605.8
67.5°	1168.1	1194.7	1374.4	1876.9	3124.9	5361.2	6615.9	6030.1	5401.2	5178.2	5151.6
70°	921.8	928.5	951.8	1054.9	1733.8	4725.6	7767.3	7793.9	6549.3	5860.4	5268.1
72.5°	748.8	745.4	815.3	905.2	1025.0	2835.4	7404.6	8429.6	7427.9	5680.7	4589.2
75°	572.4	582.4	672.2	802.0	938.5	1334.5	5524.3	6935.3	6958.6	5294.7	3870.3
77.5°	436.0	439.3	539.1	708.8	918.5	941.8	3604.1	5168.2	5191.5	4100.0	2133.2
80°	326.1	326.1	409.3	599.0	895.2	868.6	2219.7	3584.1	3244.7	1441.0	465.9
82.5°	186.4	199.7	272.9	455.9	812.0	835.3	1251.3	2053.3	1371.1	392.7	216.3
85°	99.8	103.2	166.4	306.2	668.9	798.7	955.1	1021.7	545.8	209.7	99.8
87.5°	36.6	36.6	76.5	156.4	422.6	592.4	758.8	652.3	312.8	96.5	49.9
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°	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3	2489.3
2.5°	2485.9	2472.6	2462.6	2472.6	2436.0	2419.4	2439.3	2429.4	2409.4	2399.4	2392.8
5°	2436.0	2419.4	2402.7	2392.8	2352.8	2312.9	2292.9	2253.0	2219.7	2229.7	2209.7
7.5°	2382.8	2366.1	2316.2	2269.6	2189.8	2109.9	2073.3	2016.7	1996.7	1980.1	1970.1
10°	2316.2	2286.3	2209.7	2116.5	2000.1	1910.2	1817.0	1750.5	1680.6	1650.6	1660.6
12.5°	2233.0	2216.4	2096.6	1953.5	1790.4	1640.7	1530.8	1424.3	1331.2	1281.2	1267.9
15°	2196.4	2146.5	1973.4	1783.8	1577.4	1391.1	1228.0	1041.6	931.8	878.6	878.6
17.5°	2156.5	2063.3	1857.0	1597.4	1361.1	1121.5	891.9	722.2	635.6	605.7	605.7
20°	2093.2	1990.1	1720.5	1421.0	1134.8	845.3	639.0	545.8	519.2	499.2	502.5
22.5°	2046.7	1920.2	1594.1	1248.0	898.5	629.0	502.5	472.6	462.6	455.9	459.2
25°	1993.4	1837.0	1460.9	1061.6	705.5	495.9	436.0	422.6	429.3	432.6	432.6
27.5°	1950.1	1767.1	1324.5	861.9	532.5	419.3	392.7	389.4	402.7	409.3	412.7
30°	1920.2	1703.9	1191.4	678.9	426.0	372.7	359.4	359.4	376.1	382.7	386.0
32.5°	1890.2	1650.6	1048.3	519.2	362.7	332.8	329.5	332.8	342.8	342.8	346.1
35°	1900.2	1600.7	911.8	419.3	326.1	306.2	306.2	306.2	309.5	312.8	312.8
37.5°	1920.2	1587.4	765.4	352.8	299.5	286.2	286.2	282.9	286.2	282.9	286.2
40°	1940.2	1567.4	632.3	312.8	282.9	272.9	269.6	262.9	259.6	259.6	262.9
42.5°	2023.4	1594.1	519.2	286.2	269.6	262.9	252.9	246.3	242.9	242.9	242.9
45°	2129.9	1644.0	429.3	272.9	259.6	242.9	236.3	233.0	226.3	229.6	233.0
47.5°	2289.6	1720.5	376.1	262.9	249.6	229.6	223.0	216.3	216.3	223.0	223.0
50°	2499.3	1847.0	342.8	252.9	239.6	219.6	209.7	206.3	206.3	216.3	216.3
52.5°	2725.5	1993.4	329.5	249.6	229.6	209.7	199.7	196.3	196.3	209.7	209.7
55°	2951.8	2173.1	339.4	249.6	223.0	199.7	189.7	183.0	186.4	196.3	196.3
57.5°	3201.4	2366.1	389.4	249.6	216.3	196.3	183.0	173.1	176.4	179.7	179.7
60°	3474.3	2619.1	475.9	249.6	213.0	189.7	173.1	159.7	159.7	163.1	163.1
62.5°	3750.5	2868.6	599.0	252.9	216.3	186.4	159.7	146.4	143.1	146.4	146.4
65°	4113.3	3268.0	722.2	252.9	226.3	179.7	149.8	133.1	129.8	129.8	133.1
67.5°	4622.4	3554.2	559.1	242.9	233.0	179.7	139.8	123.1	116.5	116.5	116.5
70°	4352.9	2998.4	356.1	226.3	223.0	186.4	133.1	113.1	106.5	103.2	103.2
72.5°	3727.2	2399.4	286.2	213.0	206.3	183.0	126.5	106.5	96.5	93.2	93.2
75°	2988.5	1893.6	249.6	193.0	179.7	153.1	116.5	96.5	89.9	83.2	83.2
77.5°	1464.3	792.0	189.7	169.7	153.1	116.5	103.2	89.9	79.9	73.2	73.2
80°	366.1	276.2	139.8	133.1	113.1	89.9	83.2	76.5	69.9	63.2	63.2
82.5°	196.3	163.1	99.8	89.9	76.5	63.2	63.2	59.9	56.6	49.9	46.6
85°	99.8	96.5	66.6	59.9	49.9	39.9	43.3	43.3	39.9	30.0	30.0
87.5°	53.2	53.2	33.3	26.6	23.3	20.0	20.0	20.0	16.6	13.3	13.3
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)