

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: P675052

Luminaire Tested: **CCW-SA-2C-840-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675052  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-840-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T3 distribution lens  
Light Source: (32) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

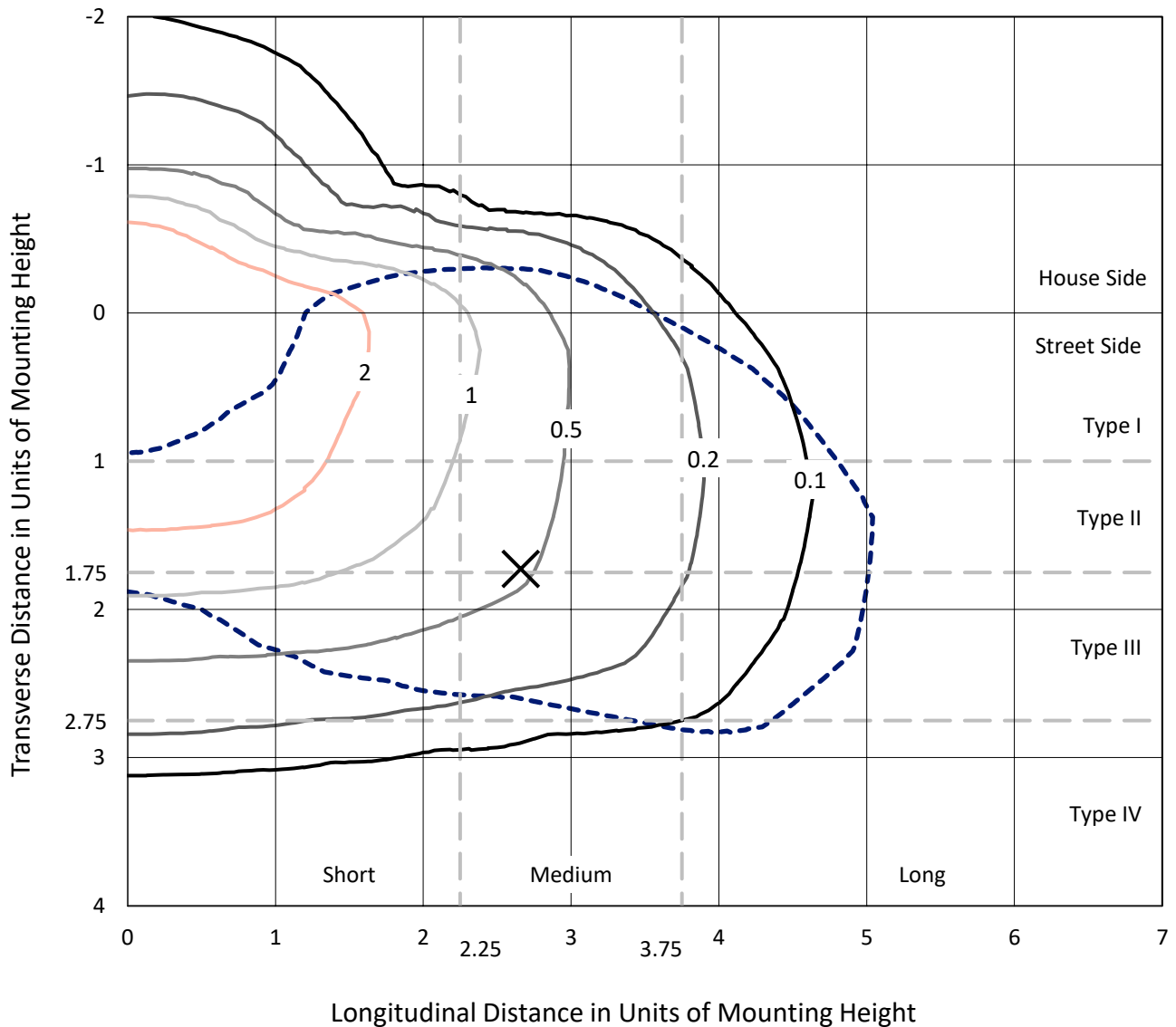
Lumens per Lamp: N/A  
Luminaire Lumens: 7788.8 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

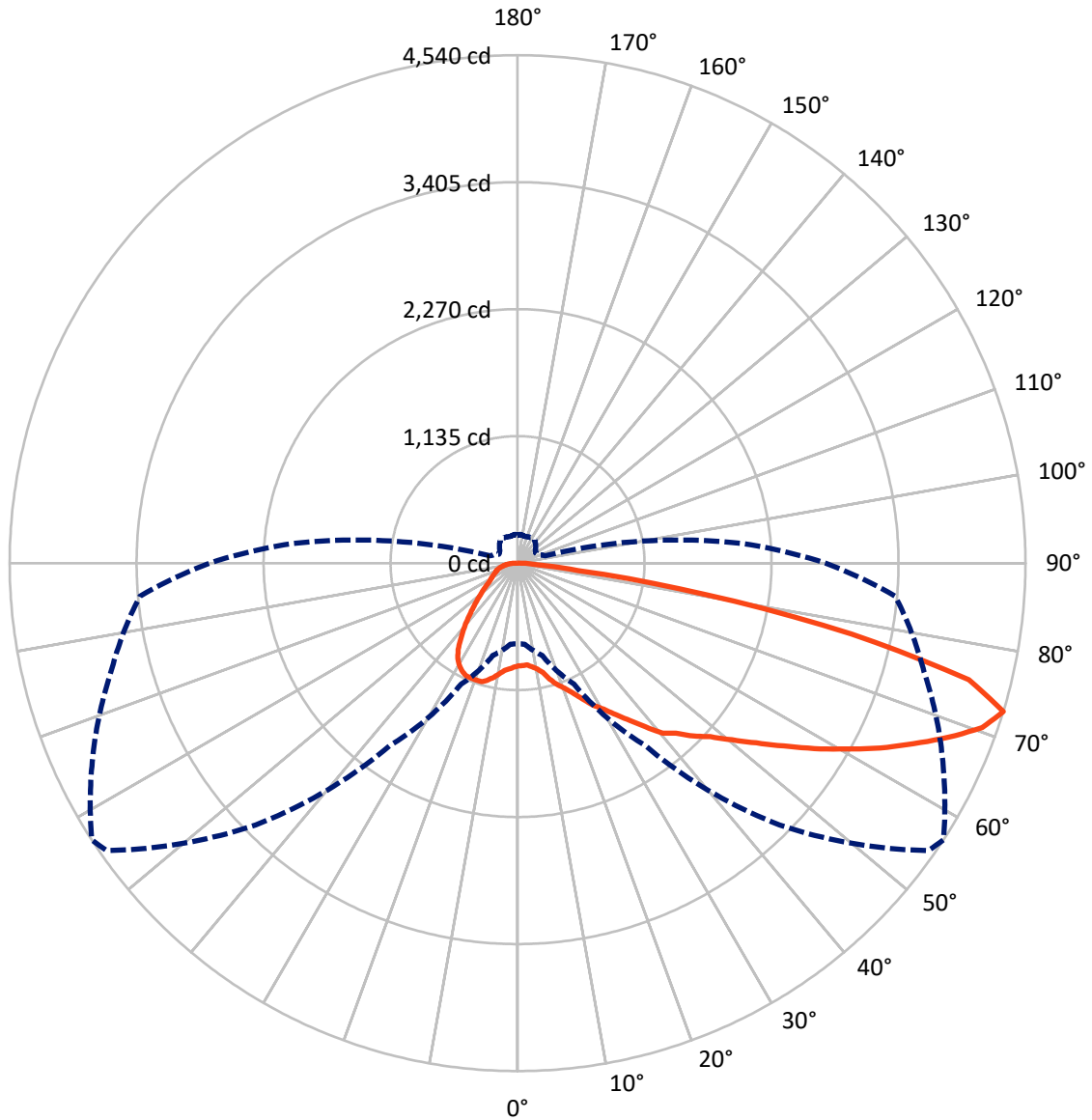
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1819.0	0.0	1819.0
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	5969.9	0.0	5969.9
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	7788.8	0.0	7788.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.3	1.2
10°-20°	307.5	3.9
20°-30°	562.2	7.2
30°-40°	824.8	10.6
40°-50°	1135.7	14.6
50°-60°	1557.4	20.0
60°-70°	1877.3	24.1
70°-80°	1250.5	16.1
80°-90°	182.1	2.3
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°	7788.8	100.0
0°-180°	7788.8	100.0



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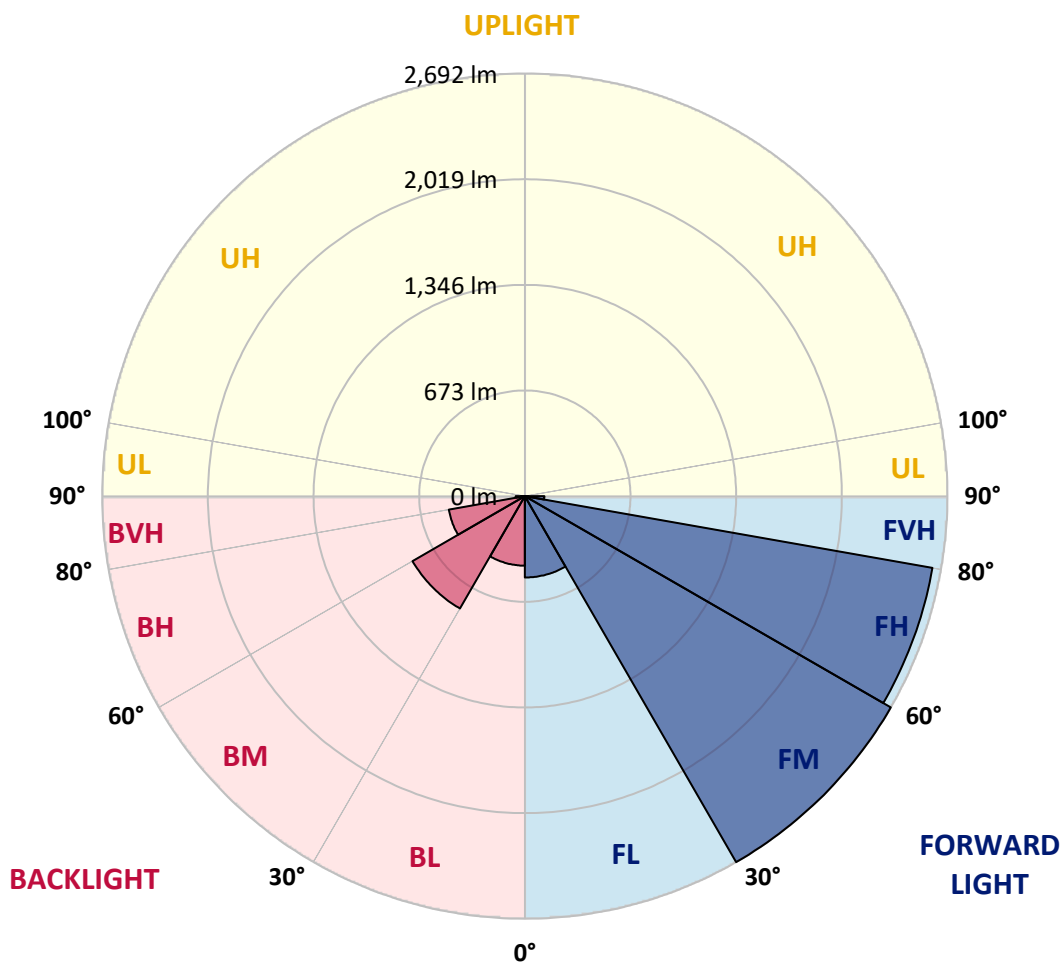
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.2	6.7			
FM (30°-60°)	2691.7	34.6			
FH (60°-80°)	2636.0	33.8			G2/5000
FVH (80°-90°)	124.0	1.6			G2/225
BL (0°-30°)	442.9	5.7	B1/500		
BM (30°-60°)	826.2	10.6	B1/1000		
BH (60°-80°)	491.8	6.3	B1/500		G1/500
BVH (80°-90°)	58.1	0.7			G1/100
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°	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3
2.5°	902.3	905.1	910.8	908.0	908.0	899.5	913.7	916.5	910.8	913.7	919.3
5°	902.3	908.0	916.5	910.8	913.7	910.8	905.1	913.7	913.7	916.5	925.0
7.5°	950.5	947.7	947.7	939.2	936.4	933.5	936.4	936.4	930.7	933.5	933.5
10°	1004.5	1004.5	998.8	998.8	993.1	978.9	964.7	961.9	953.4	956.2	956.2
12.5°	1061.2	1066.9	1072.6	1055.5	1049.9	1027.2	1018.6	1001.6	1001.6	995.9	993.1
15°	1132.1	1123.6	1129.3	1123.6	1109.4	1086.7	1072.6	1075.4	1055.5	1049.9	1041.3
17.5°	1194.6	1197.4	1188.9	1183.2	1157.7	1140.7	1143.5	1140.7	1115.1	1106.6	1092.4
20°	1268.3	1265.5	1265.5	1248.5	1225.8	1203.1	1194.6	1191.7	1197.4	1180.4	1146.3
22.5°	1345.0	1333.6	1333.6	1319.4	1288.2	1274.0	1268.3	1257.0	1262.7	1248.5	1197.4
25°	1407.4	1407.4	1427.2	1398.9	1381.8	1353.5	1342.1	1345.0	1347.8	1319.4	1259.8
27.5°	1489.7	1475.5	1495.3	1481.1	1472.6	1441.4	1427.2	1435.7	1430.1	1398.9	1316.6
30°	1594.6	1597.5	1586.1	1566.3	1554.9	1532.2	1523.7	1515.2	1523.7	1484.0	1379.0
32.5°	1725.2	1733.7	1705.3	1682.6	1662.7	1640.0	1623.0	1614.5	1623.0	1563.4	1427.2
35°	1875.6	1884.1	1861.4	1835.8	1813.1	1756.4	1742.2	1728.0	1696.8	1600.3	1472.6
37.5°	2014.6	2003.2	1997.6	1997.6	1955.0	1872.7	1864.2	1855.7	1796.1	1674.1	1535.1
40°	2108.2	2122.4	2116.7	2111.1	2105.4	2028.8	2011.8	1997.6	1898.3	1784.8	1623.0
42.5°	2213.2	2204.7	2227.4	2235.9	2216.0	2193.3	2125.2	2077.0	1989.1	1898.3	1753.5
45°	2338.1	2332.4	2340.9	2372.1	2343.7	2352.2	2238.7	2204.7	2094.0	2040.1	1918.1
47.5°	2448.7	2462.9	2505.5	2514.0	2491.3	2531.0	2372.1	2318.2	2247.3	2204.7	2088.4
50°	2497.0	2514.0	2610.5	2670.0	2672.9	2735.3	2505.5	2482.8	2386.3	2403.3	2301.2
52.5°	2457.2	2511.1	2627.5	2783.5	2880.0	2942.4	2681.4	2670.0	2582.1	2636.0	2533.8
55°	2494.1	2545.2	2621.8	2840.3	3084.3	3098.5	2925.4	2882.8	2794.9	2868.7	2775.0
57.5°	2511.1	2482.8	2627.5	2902.7	3234.7	3271.6	3158.1	3126.9	3058.8	3129.7	3075.8
60°	2377.8	2411.8	2548.0	2885.7	3243.2	3456.0	3419.1	3373.7	3311.3	3376.6	3345.4
62.5°	2227.4	2250.1	2397.6	2783.5	3291.4	3589.4	3671.7	3637.6	3549.6	3606.4	3660.3
65°	2037.3	2040.1	2204.7	2601.9	3197.8	3666.0	3893.0	3890.1	3827.7	3813.5	3898.7
67.5°	1804.6	1827.3	1957.8	2409.0	3070.1	3751.1	4111.5	4154.0	4029.2	3918.5	3949.7
70°	1384.7	1407.4	1532.2	1974.9	2809.1	3725.6	4381.0	4403.7	4159.7	3878.8	3799.3
72.5°	720.7	726.4	854.1	1191.7	1991.9	3308.5	4480.3	4539.9	4193.7	3762.5	3387.9
75°	238.3	238.3	292.3	454.0	939.2	2116.7	4057.6	4165.4	4026.3	3473.0	2772.2
77.5°	141.9	144.7	173.1	227.0	374.5	845.6	2860.1	3050.3	3294.3	2953.8	2025.9
80°	102.1	105.0	130.5	156.1	224.2	272.4	1435.7	1699.6	2023.1	1901.1	1081.1
82.5°	76.6	76.6	102.1	116.3	153.2	161.7	400.1	547.6	873.9	681.0	297.9
85°	79.4	79.4	79.4	82.3	105.0	93.6	167.4	178.8	255.4	224.2	82.3
87.5°	28.4	31.2	79.4	53.9	53.9	39.7	65.3	70.9	90.8	93.6	31.2
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°	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3	919.3
2.5°	922.2	922.2	925.0	925.0	930.7	936.4	944.9	939.2	939.2	942.0	939.2
5°	919.3	922.2	930.7	944.9	950.5	953.4	970.4	970.4	970.4	976.1	976.1
7.5°	930.7	936.4	950.5	964.7	967.6	976.1	998.8	1004.5	1018.6	1024.3	1027.2
10°	959.1	967.6	978.9	995.9	1007.3	1018.6	1035.7	1055.5	1052.7	1069.7	1072.6
12.5°	1001.6	998.8	1018.6	1035.7	1047.0	1064.0	1069.7	1069.7	1069.7	1069.7	1075.4
15°	1035.7	1041.3	1058.4	1069.7	1083.9	1081.1	1069.7	1058.4	1061.2	1058.4	1058.4
17.5°	1086.7	1086.7	1100.9	1103.8	1109.4	1081.1	1064.0	1064.0	1072.6	1072.6	1066.9
20°	1137.8	1135.0	1140.7	1137.8	1100.9	1066.9	1064.0	1066.9	1069.7	1066.9	1064.0
22.5°	1186.1	1180.4	1171.9	1160.5	1095.3	1064.0	1058.4	1044.2	1030.0	1030.0	1021.5
25°	1228.6	1222.9	1200.2	1166.2	1092.4	1047.0	1018.6	984.6	967.6	959.1	970.4
27.5°	1268.3	1257.0	1225.8	1166.2	1066.9	1001.6	947.7	905.1	891.0	879.6	891.0
30°	1322.3	1302.4	1259.8	1157.7	1027.2	930.7	856.9	805.8	791.6	774.6	780.3
32.5°	1370.5	1325.1	1288.2	1132.1	976.1	851.2	766.1	715.0	689.5	675.3	686.7
35°	1421.6	1376.2	1299.6	1092.4	896.6	754.8	669.6	621.4	601.5	581.7	581.7
37.5°	1472.6	1447.1	1316.6	1018.6	800.2	664.0	587.4	550.5	516.4	479.5	479.5
40°	1580.5	1546.4	1336.4	933.5	703.7	576.0	522.1	473.9	439.8	388.7	385.9
42.5°	1694.0	1620.2	1336.4	831.4	618.6	513.6	462.5	411.4	349.0	317.8	320.6
45°	1838.7	1753.5	1299.6	740.6	533.4	462.5	405.8	340.5	312.1	292.3	292.3
47.5°	2020.3	1886.9	1254.2	641.3	465.3	417.1	346.2	306.4	286.6	269.6	266.7
50°	2235.9	2008.9	1197.4	556.1	408.6	374.5	315.0	283.7	266.7	255.4	255.4
52.5°	2462.9	2187.7	1157.7	479.5	363.2	317.8	292.3	272.4	258.2	249.7	246.9
55°	2692.7	2366.4	1129.3	397.2	320.6	292.3	286.6	269.6	263.9	255.4	249.7
57.5°	2950.9	2514.0	1123.6	340.5	286.6	280.9	292.3	278.1	269.6	261.0	252.5
60°	3229.0	2712.6	1072.6	295.1	269.6	275.2	283.7	269.6	263.9	255.4	249.7
62.5°	3504.2	2860.1	933.5	261.0	252.5	258.2	269.6	258.2	249.7	252.5	255.4
65°	3617.7	2871.5	723.5	235.5	232.7	235.5	252.5	249.7	241.2	258.2	258.2
67.5°	3504.2	2769.3	510.7	212.8	212.8	227.0	255.4	261.0	252.5	275.2	272.4
70°	3246.0	2516.8	346.2	198.6	204.3	241.2	263.9	258.2	246.9	275.2	269.6
72.5°	2755.2	2014.6	252.5	184.4	192.9	229.8	261.0	255.4	246.9	258.2	246.9
75°	2068.5	1432.9	198.6	167.4	170.2	207.1	269.6	255.4	232.7	227.0	218.5
77.5°	1381.8	885.3	153.2	147.5	147.5	181.6	258.2	238.3	210.0	201.5	198.6
80°	658.3	354.7	122.0	124.8	127.7	156.1	235.5	212.8	190.1	178.8	178.8
82.5°	210.0	133.4	102.1	102.1	102.1	127.7	195.8	178.8	164.6	156.1	141.9
85°	73.8	73.8	88.0	90.8	82.3	93.6	161.7	153.2	136.2	113.5	110.7
87.5°	28.4	42.6	59.6	70.9	51.1	65.3	116.3	107.8	99.3	73.8	70.9
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)