

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: P675237

Luminaire Tested: **CCW-SA-1E-727-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675237
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-727-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T4W distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5768.3 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

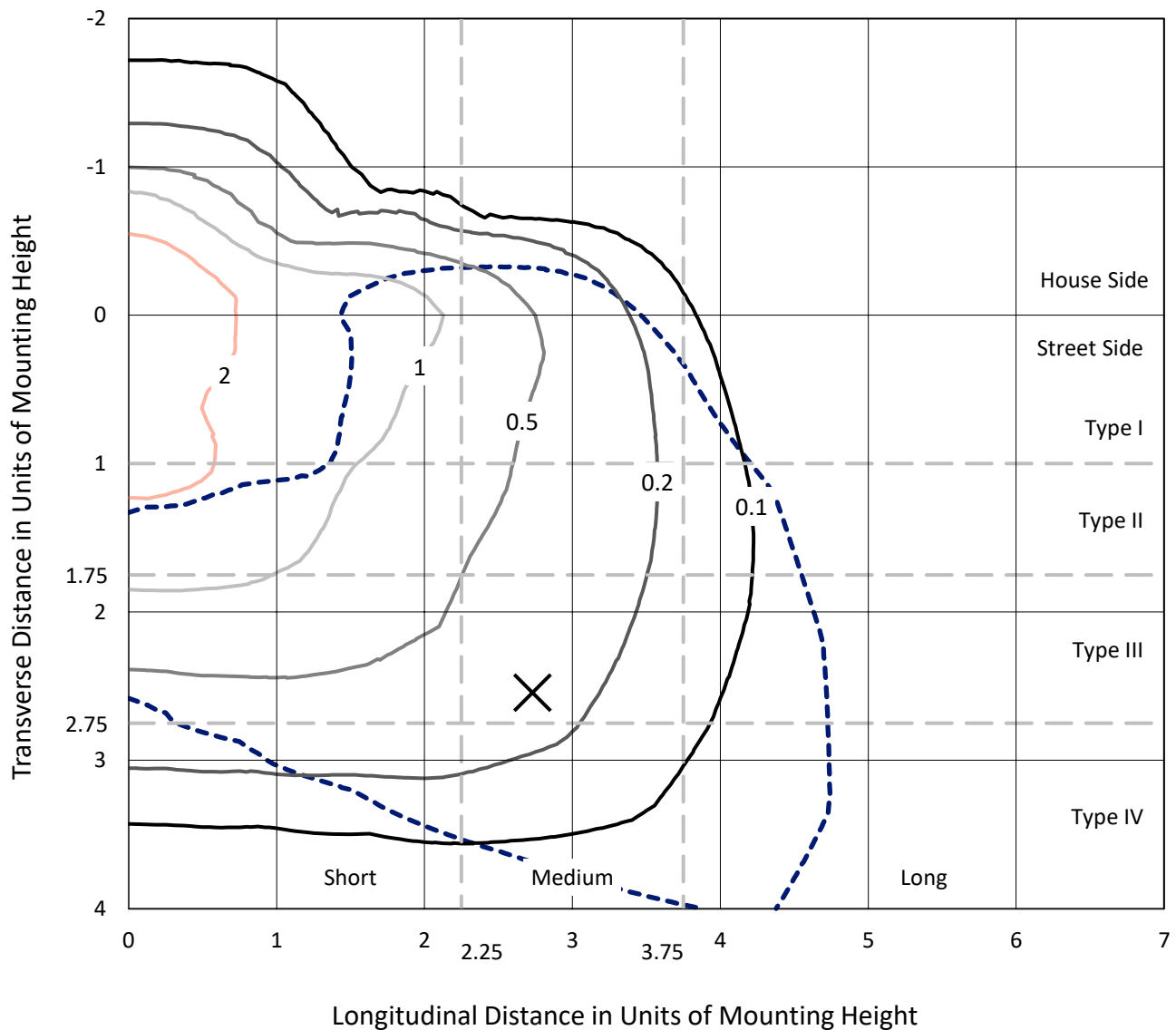
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

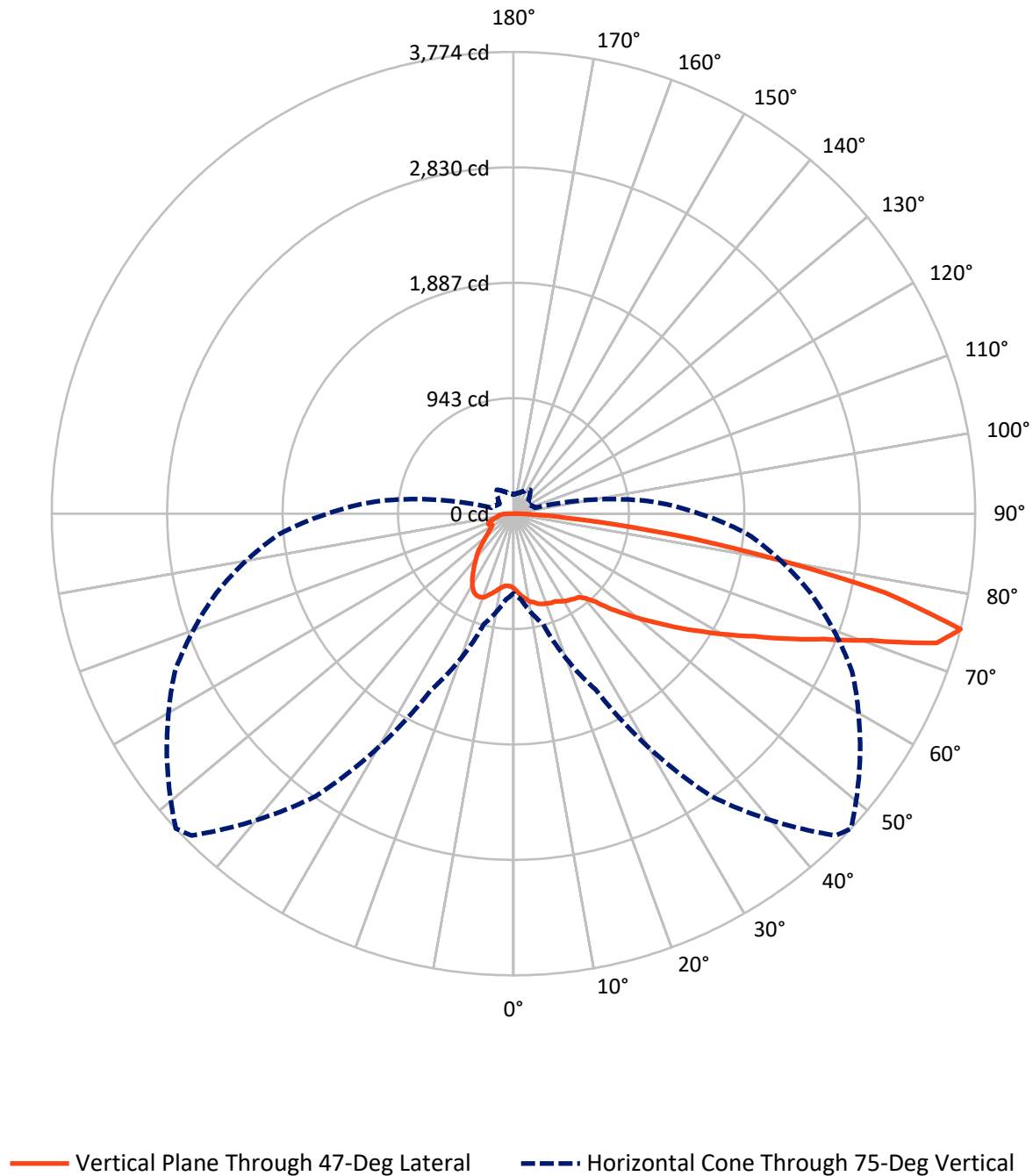
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.5	0.0	1379.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4388.8	0.0	4388.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	5768.3	0.0	5768.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	1.1
10°-20°	205.6	3.6
20°-30°	352.2	6.1
30°-40°	492.8	8.5
40°-50°	687.1	11.9
50°-60°	1027.0	17.8
60°-70°	1480.6	25.7
70°-80°	1260.3	21.8
80°-90°	200.8	3.5
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°	5768.3	100.0
0°-180°	5768.3	100.0

Coefficient of Utilization



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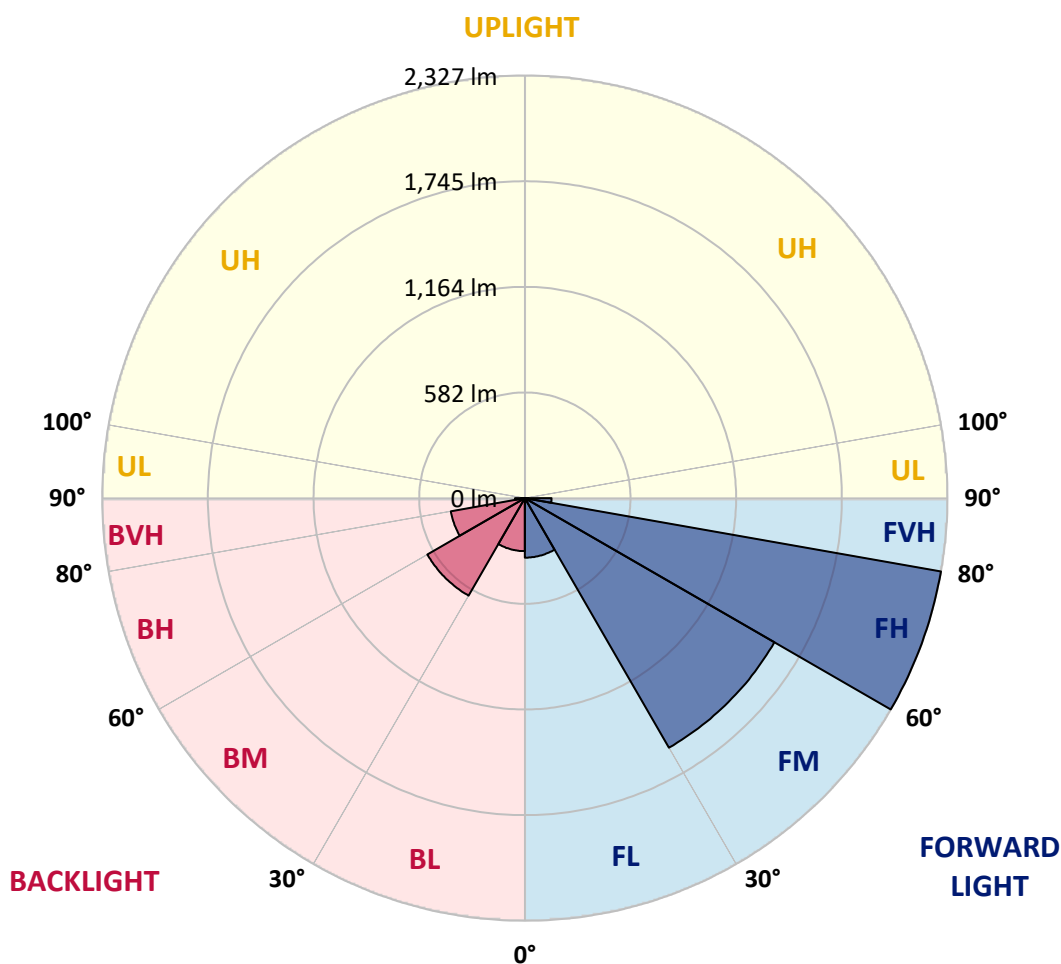
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.7	5.7			
FM	(30°-60°)	1586.8	27.5			
FH	(60°-80°)	2327.1	40.3			G2/5000
FVH	(80°-90°)	147.1	2.6			G2/225
BL	(0°-30°)	292.0	5.1	B1/500		
BM	(30°-60°)	620.0	10.7	B1/1000		
BH	(60°-80°)	413.8	7.2	B1/500		G1/500
BVH	(80°-90°)	53.7	0.9			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5
2.5°	656.7	658.8	658.8	654.6	650.4	641.9	641.9	633.5	629.3	618.8	614.6
5°	717.7	711.4	705.1	703.0	692.4	677.7	675.6	667.2	644.0	633.5	618.8
7.5°	761.9	759.8	757.7	749.3	730.3	707.2	700.9	688.2	665.1	644.0	627.2
10°	797.7	806.1	797.7	778.7	759.8	734.5	732.4	709.3	688.2	663.0	641.9
12.5°	837.7	839.8	825.0	801.9	772.4	751.4	743.0	734.5	711.4	690.3	658.8
15°	865.0	860.8	850.3	818.7	785.1	764.0	766.1	755.6	730.3	715.6	681.9
17.5°	865.0	865.0	848.2	825.0	795.6	776.6	776.6	770.3	753.5	732.4	709.3
20°	848.2	848.2	837.7	825.0	791.4	787.2	782.9	778.7	778.7	759.8	726.1
22.5°	827.1	822.9	827.1	806.1	782.9	787.2	793.5	791.4	785.1	768.2	745.1
25°	806.1	808.2	812.4	797.7	776.6	795.6	793.5	804.0	799.8	787.2	768.2
27.5°	804.0	808.2	810.3	795.6	787.2	804.0	812.4	822.9	825.0	812.4	789.3
30°	835.6	833.5	831.4	812.4	806.1	820.8	829.3	844.0	856.6	829.3	810.3
32.5°	917.6	905.0	892.4	841.9	822.9	833.5	841.9	862.9	865.0	850.3	822.9
35°	1048.1	1039.7	997.6	909.2	856.6	846.1	854.5	869.2	873.5	862.9	841.9
37.5°	1197.6	1193.4	1134.4	1027.1	926.1	875.6	867.1	888.2	905.0	881.9	852.4
40°	1344.9	1328.1	1286.0	1180.7	1014.5	919.8	909.2	919.8	926.1	909.2	890.3
42.5°	1477.5	1458.6	1448.0	1342.8	1130.2	993.4	985.0	959.7	978.7	957.6	932.4
45°	1589.0	1584.8	1580.6	1490.1	1262.8	1113.4	1107.1	1041.8	1062.9	1046.0	1010.3
47.5°	1669.0	1688.0	1681.7	1631.1	1414.4	1241.8	1222.8	1138.6	1170.2	1153.4	1117.6
50°	1763.7	1774.3	1767.9	1734.3	1555.4	1389.1	1353.3	1267.0	1302.8	1300.7	1281.8
52.5°	1847.9	1879.5	1843.7	1841.6	1757.4	1549.1	1488.0	1405.9	1464.9	1488.0	1485.9
55°	1946.8	1972.1	1961.6	1957.4	1938.4	1704.8	1650.1	1551.2	1650.1	1683.8	1713.2
57.5°	2031.0	2028.9	2068.9	2117.3	2140.5	1883.7	1818.5	1702.7	1852.1	1890.0	1972.1
60°	2068.9	2104.7	2172.0	2294.1	2359.4	2075.2	2007.9	1915.3	2056.3	2085.8	2237.3
62.5°	2094.2	2125.7	2256.2	2462.5	2500.4	2271.0	2207.8	2115.2	2279.4	2300.4	2525.6
65°	2024.7	2054.2	2313.1	2525.6	2660.3	2481.4	2466.7	2369.9	2502.5	2515.1	2828.7
67.5°	1944.7	1976.3	2264.7	2605.6	2872.9	2761.4	2738.2	2622.5	2723.5	2708.7	3060.2
70°	1803.7	1845.8	2140.5	2675.1	3108.6	3152.8	3106.5	2942.4	2952.9	2814.0	3070.8
72.5°	1374.4	1401.7	1675.3	2399.4	3218.1	3695.9	3615.9	3287.5	3167.6	2835.0	2710.9
75°	652.5	703.0	934.5	1586.9	2820.3	3721.1	3773.7	3458.0	3053.9	2515.1	1921.6
77.5°	189.4	189.4	284.1	673.5	1767.9	2999.2	3098.1	2936.1	2519.3	1862.7	1010.3
80°	103.1	109.4	149.4	237.8	776.6	1892.1	2035.2	1946.8	1483.8	736.6	261.0
82.5°	58.9	61.0	98.9	143.1	353.6	1029.2	1113.4	1010.3	564.1	223.1	122.1
85°	33.7	35.8	56.8	94.7	210.5	378.8	412.5	357.8	227.3	149.4	61.0
87.5°	16.8	16.8	27.4	44.2	107.3	107.3	105.2	128.4	136.8	90.5	27.4
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°	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5
2.5°	612.5	610.4	610.4	601.9	599.8	593.5	593.5	589.3	587.2	593.5	593.5
5°	614.6	604.0	601.9	593.5	595.6	591.4	599.8	595.6	593.5	593.5	591.4
7.5°	618.8	608.3	599.8	593.5	591.4	597.7	608.3	608.3	620.9	614.6	614.6
10°	629.3	623.0	612.5	608.3	608.3	614.6	627.2	635.6	646.1	646.1	639.8
12.5°	654.6	644.0	631.4	625.1	633.5	639.8	652.5	660.9	673.5	677.7	673.5
15°	673.5	663.0	658.8	654.6	660.9	669.3	679.8	688.2	703.0	707.2	705.1
17.5°	698.8	686.1	684.0	686.1	690.3	696.7	703.0	709.3	719.8	719.8	719.8
20°	711.4	707.2	705.1	711.4	719.8	728.2	724.0	719.8	717.7	721.9	719.8
22.5°	734.5	730.3	732.4	738.7	738.7	734.5	728.2	713.5	709.3	713.5	709.3
25°	755.6	751.4	751.4	747.2	745.1	730.3	717.7	705.1	690.3	696.7	694.6
27.5°	776.6	774.5	774.5	757.7	736.6	711.4	694.6	679.8	671.4	681.9	675.6
30°	801.9	804.0	793.5	753.5	703.0	675.6	656.7	654.6	652.5	658.8	656.7
32.5°	825.0	827.1	810.3	747.2	677.7	625.1	606.2	608.3	618.8	629.3	639.8
35°	837.7	848.2	827.1	726.1	627.2	568.3	547.2	566.2	585.1	599.8	610.4
37.5°	860.8	888.2	852.4	703.0	583.0	517.8	503.0	509.3	532.5	555.6	566.2
40°	894.5	926.1	858.7	658.8	524.1	467.2	458.8	460.9	469.3	484.1	494.6
42.5°	953.4	987.1	865.0	601.9	465.1	435.7	412.5	406.2	399.9	399.9	397.8
45°	1039.7	1071.3	856.6	530.4	406.2	385.2	368.3	353.6	336.8	309.4	313.6
47.5°	1166.0	1191.3	862.9	467.2	351.5	334.6	322.0	305.2	279.9	250.5	248.4
50°	1357.5	1319.6	854.5	402.0	311.5	296.8	286.2	263.1	233.6	212.6	210.5
52.5°	1580.6	1504.9	846.1	347.3	277.8	265.2	256.8	231.5	204.2	193.6	191.5
55°	1850.0	1740.6	858.7	298.9	252.6	242.0	233.6	210.5	189.4	181.0	178.9
57.5°	2167.8	1995.3	928.2	261.0	225.2	221.0	218.9	199.9	181.0	174.7	172.6
60°	2466.7	2239.4	974.5	233.6	199.9	204.2	208.4	199.9	178.9	174.7	174.7
62.5°	2717.2	2441.5	900.8	210.5	187.3	199.9	218.9	212.6	204.2	208.4	204.2
65°	2938.2	2510.9	673.5	197.8	181.0	210.5	242.0	239.9	221.0	225.2	223.1
67.5°	2976.0	2426.7	439.9	187.3	176.8	231.5	271.5	246.2	208.4	208.4	202.1
70°	2818.2	2201.5	294.7	176.8	174.7	231.5	277.8	231.5	195.7	195.7	187.3
72.5°	2313.1	1759.5	227.3	166.3	160.0	206.3	263.1	218.9	183.1	178.9	164.2
75°	1519.6	1134.4	185.2	157.9	138.9	181.0	237.8	202.1	174.7	162.1	155.7
77.5°	745.1	509.3	155.7	138.9	120.0	157.9	216.8	191.5	164.2	151.5	147.3
80°	204.2	183.1	130.5	122.1	101.0	136.8	204.2	183.1	153.6	141.0	134.7
82.5°	115.8	113.7	105.2	98.9	84.2	136.8	206.3	183.1	145.2	143.1	122.1
85°	63.1	67.4	75.8	73.7	65.2	122.1	195.7	160.0	117.9	98.9	98.9
87.5°	25.3	31.6	37.9	42.1	44.2	90.5	147.3	122.1	90.5	75.8	75.8
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)