

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: P674825

Luminaire Tested: **CCW-SA-1C-735-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674825
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4448.2 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

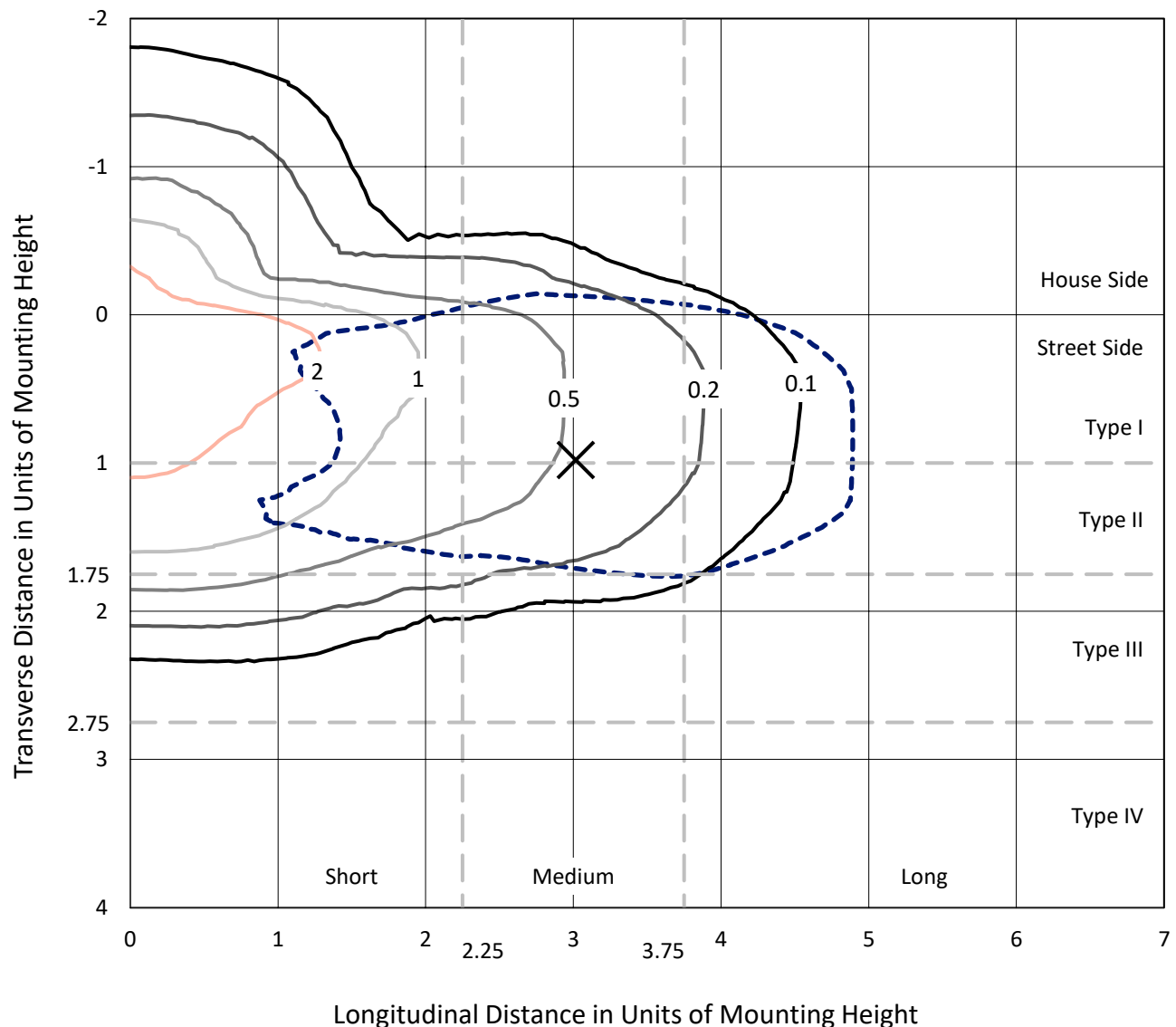
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

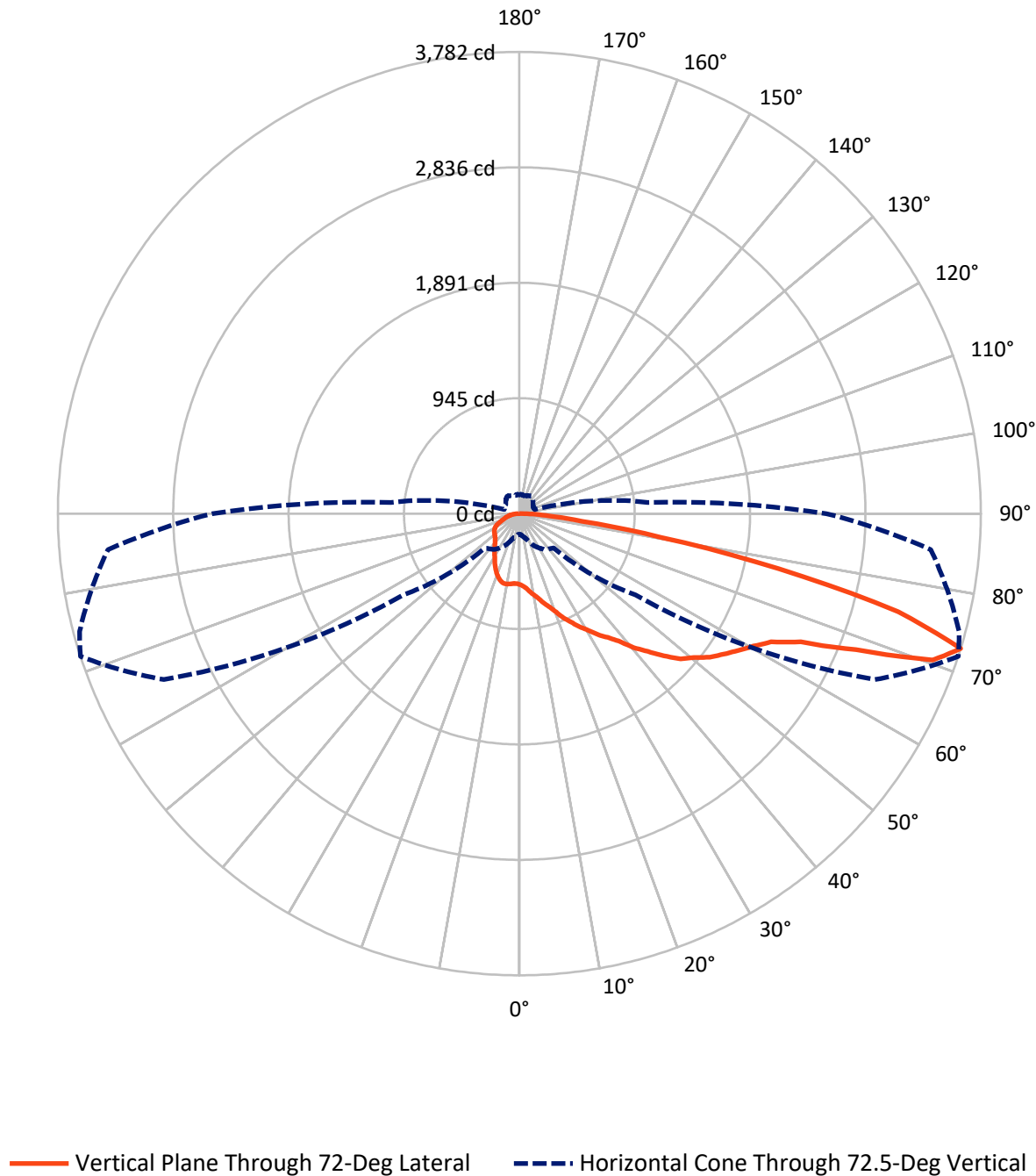
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	936.1	0.0	936.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3512.0	0.0	3512.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	4448.2	0.0	4448.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	1.3
10°-20°	178.5	4.0
20°-30°	308.9	6.9
30°-40°	456.3	10.3
40°-50°	678.5	15.3
50°-60°	930.2	20.9
60°-70°	1008.9	22.7
70°-80°	711.3	16.0
80°-90°	118.2	2.7
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°	4448.2	100.0
0°-180°	4448.2	100.0

Coefficient of Utilization



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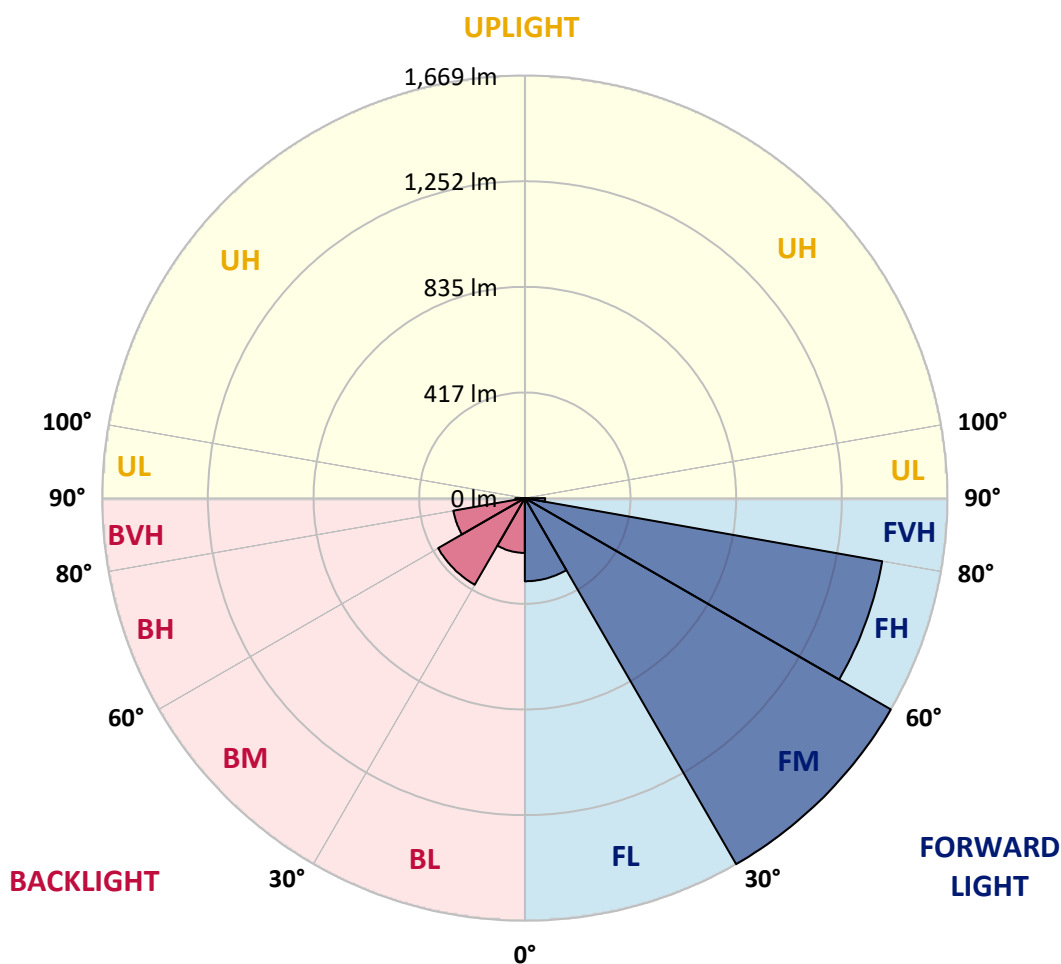
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	328.5	7.4			
FM	(30°-60°)	1669.5	37.5			
FH	(60°-80°)	1433.5	32.2			G1/1800
FVH	(80°-90°)	80.6	1.8			G1/100
BL	(0°-30°)	216.4	4.9	B1/500		
BM	(30°-60°)	395.4	8.9	B1/1000		
BH	(60°-80°)	286.8	6.4	B1/500		G1/500
BVH	(80°-90°)	37.6	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1
2.5°	627.0	627.0	622.1	620.5	620.5	607.3	609.0	600.8	594.2	594.2	587.6
5°	659.8	656.6	656.6	656.6	648.4	643.4	641.8	627.0	615.5	617.2	597.5
7.5°	668.1	669.7	671.3	679.5	674.6	677.9	674.6	658.2	650.0	641.8	623.7
10°	673.0	676.3	676.3	687.7	687.7	696.0	700.9	694.3	679.5	671.3	641.8
12.5°	684.5	679.5	686.1	694.3	702.5	717.3	732.1	725.5	715.7	705.8	673.0
15°	684.5	686.1	691.0	704.2	717.3	732.1	758.3	768.2	763.3	745.2	710.7
17.5°	664.8	659.8	682.8	707.4	732.1	750.1	784.6	807.6	804.3	797.7	745.2
20°	666.4	671.3	679.5	700.9	740.3	773.1	815.8	853.5	861.7	858.5	791.2
22.5°	696.0	697.6	705.8	715.7	746.8	789.5	853.5	914.3	929.0	920.8	842.0
25°	725.5	738.6	738.6	745.2	756.7	801.0	878.2	963.5	984.8	986.5	894.6
27.5°	773.1	776.4	786.2	789.5	799.4	825.6	906.1	999.6	1048.9	1042.3	942.2
30°	828.9	830.6	837.1	833.8	835.5	868.3	932.3	1040.7	1107.9	1109.6	993.1
32.5°	894.6	907.7	911.0	889.6	892.9	901.1	973.4	1089.9	1181.8	1170.3	1037.4
35°	991.4	996.3	986.5	976.6	952.0	947.1	1016.0	1139.1	1245.8	1259.0	1103.0
37.5°	1111.2	1124.4	1111.2	1058.7	1032.4	1012.7	1068.6	1193.3	1323.0	1367.3	1168.7
40°	1222.8	1221.2	1208.1	1160.5	1114.5	1099.7	1144.1	1268.8	1442.8	1485.5	1263.9
42.5°	1313.1	1308.2	1300.0	1263.9	1221.2	1196.6	1231.1	1347.6	1542.9	1625.0	1373.9
45°	1391.9	1385.3	1387.0	1346.0	1304.9	1318.0	1318.0	1437.9	1661.1	1762.9	1500.2
47.5°	1465.8	1469.1	1464.1	1432.9	1401.8	1436.2	1418.2	1541.3	1777.6	1890.9	1606.9
50°	1551.1	1557.7	1541.3	1521.6	1493.7	1528.1	1505.2	1638.1	1853.1	2007.4	1735.0
52.5°	1631.6	1638.1	1652.9	1628.3	1600.4	1628.3	1575.8	1728.4	1953.3	2120.7	1833.5
55°	1651.3	1648.0	1730.0	1756.3	1771.1	1687.4	1638.1	1805.5	2032.1	2192.9	1945.1
57.5°	1561.0	1569.2	1680.8	1756.3	1913.9	1841.7	1708.7	1895.8	2114.1	2288.1	2048.5
60°	1336.1	1341.0	1480.5	1659.5	1889.3	1986.1	1899.1	2012.4	2204.4	2368.6	2165.0
62.5°	892.9	930.7	1104.7	1385.3	1715.3	2025.5	2202.8	2209.3	2314.4	2470.3	2324.2
65°	471.1	489.1	625.4	851.9	1300.0	1889.3	2488.4	2600.0	2534.3	2657.4	2554.0
67.5°	308.6	315.2	389.0	517.0	750.1	1378.8	2521.2	3277.9	2975.9	3013.6	2921.7
70°	229.8	233.1	287.2	382.4	464.5	737.0	2066.5	3594.7	3593.0	3492.9	3358.3
72.5°	169.1	174.0	211.7	292.2	357.8	397.2	1162.1	3215.5	3781.8	3730.9	3384.6
75°	133.0	136.2	155.9	226.5	288.9	261.0	589.3	2381.7	3207.3	3451.9	3097.3
77.5°	108.3	111.6	123.1	164.1	231.4	201.9	282.3	1536.4	2174.9	2485.1	2370.2
80°	90.3	90.3	98.5	116.5	178.9	152.7	167.4	863.4	1172.0	1293.4	1075.1
82.5°	77.1	75.5	82.1	85.4	133.0	110.0	108.3	390.7	515.4	546.6	403.8
85°	49.2	50.9	77.1	73.9	87.0	75.5	60.7	185.5	242.9	247.9	151.0
87.5°	19.7	19.7	32.8	41.0	49.2	46.0	29.5	83.7	106.7	106.7	42.7
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°	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1
2.5°	586.0	579.4	574.5	571.2	563.0	554.8	556.4	554.8	548.2	544.9	544.9
5°	592.5	586.0	577.8	564.6	556.4	546.6	549.9	543.3	536.7	541.7	533.5
7.5°	609.0	597.5	586.0	566.3	553.2	538.4	531.8	528.5	523.6	520.3	520.3
10°	631.9	615.5	594.2	564.6	543.3	520.3	517.0	510.5	505.6	505.6	503.9
12.5°	654.9	636.9	600.8	553.2	517.0	500.6	499.0	500.6	503.9	505.6	507.2
15°	684.5	654.9	599.1	531.8	495.7	489.1	497.3	503.9	510.5	517.0	515.4
17.5°	712.4	677.9	584.3	505.6	477.6	479.3	494.1	507.2	520.3	526.9	528.5
20°	750.1	699.2	563.0	474.4	459.6	474.4	494.1	510.5	525.3	533.5	535.1
22.5°	792.8	723.9	535.1	446.5	444.8	459.6	479.3	503.9	520.3	535.1	533.5
25°	830.6	740.3	499.0	423.5	426.8	436.6	459.6	485.9	502.3	518.7	513.8
27.5°	855.2	743.6	461.2	407.1	407.1	416.9	438.3	454.7	469.4	482.6	484.2
30°	883.1	737.0	418.6	385.7	385.7	398.9	407.1	416.9	425.1	428.4	431.7
32.5°	915.9	722.2	392.3	369.3	369.3	379.2	384.1	380.8	379.2	371.0	375.9
35°	947.1	700.9	362.8	348.0	354.5	359.5	357.8	348.0	338.1	323.4	318.4
37.5°	984.8	679.5	336.5	325.0	336.5	338.1	338.1	326.6	313.5	295.5	295.5
40°	1042.3	663.1	315.2	310.2	321.7	320.1	311.9	303.7	308.6	298.7	298.7
42.5°	1103.0	656.6	295.5	297.1	302.0	303.7	295.5	285.6	305.3	293.8	295.5
45°	1178.5	661.5	282.3	280.7	292.2	290.5	285.6	277.4	284.0	254.4	246.2
47.5°	1249.1	671.3	275.8	269.2	282.3	285.6	279.0	261.0	251.1	233.1	229.8
50°	1313.1	692.7	269.2	256.1	269.2	275.8	264.3	244.6	233.1	221.6	221.6
52.5°	1373.9	723.9	265.9	241.3	252.8	261.0	254.4	234.7	221.6	216.7	211.7
55°	1436.2	751.8	261.0	231.4	234.7	251.1	249.5	223.2	210.1	210.1	208.5
57.5°	1524.9	789.5	254.4	215.0	221.6	239.6	239.6	218.3	203.5	205.2	206.8
60°	1615.1	833.8	247.9	198.6	203.5	228.2	231.4	211.7	198.6	200.3	198.6
62.5°	1759.6	915.9	234.7	178.9	188.8	213.4	221.6	203.5	192.0	195.3	195.3
65°	1977.9	1057.1	206.8	162.5	174.0	200.3	211.7	195.3	182.2	192.0	188.8
67.5°	2329.2	1250.8	174.0	149.4	164.1	187.1	200.3	185.5	174.0	188.8	183.8
70°	2644.3	1346.0	149.4	137.9	149.4	172.3	187.1	175.6	164.1	178.9	172.3
72.5°	2516.3	1055.4	129.7	124.7	136.2	155.9	174.0	162.5	151.0	159.2	152.7
75°	2171.6	840.4	113.3	111.6	121.5	141.2	159.2	151.0	139.5	142.8	139.5
77.5°	1646.3	694.3	96.8	95.2	103.4	126.4	142.8	136.2	124.7	123.1	123.1
80°	735.4	341.4	80.4	80.4	85.4	108.3	121.5	118.2	106.7	105.1	103.4
82.5°	241.3	129.7	65.7	62.4	68.9	90.3	108.3	105.1	93.6	90.3	87.0
85°	96.8	62.4	47.6	47.6	54.2	75.5	96.8	90.3	75.5	67.3	67.3
87.5°	32.8	26.3	24.6	24.6	34.5	50.9	72.2	60.7	54.2	47.6	49.2
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)