

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: P670672

Luminaire Tested: **CCP-SA-1C-740-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670672
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-740-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4510 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

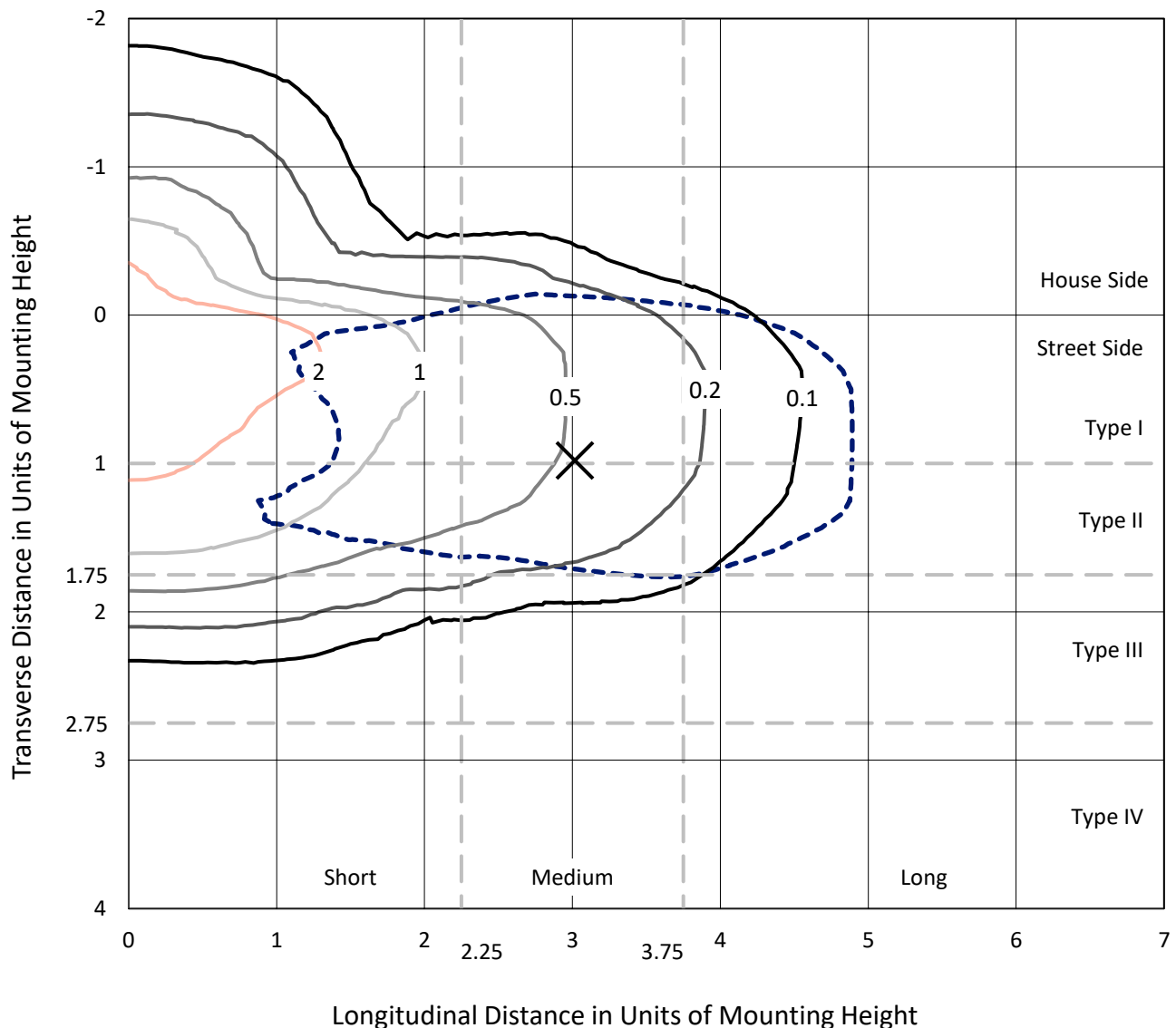
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

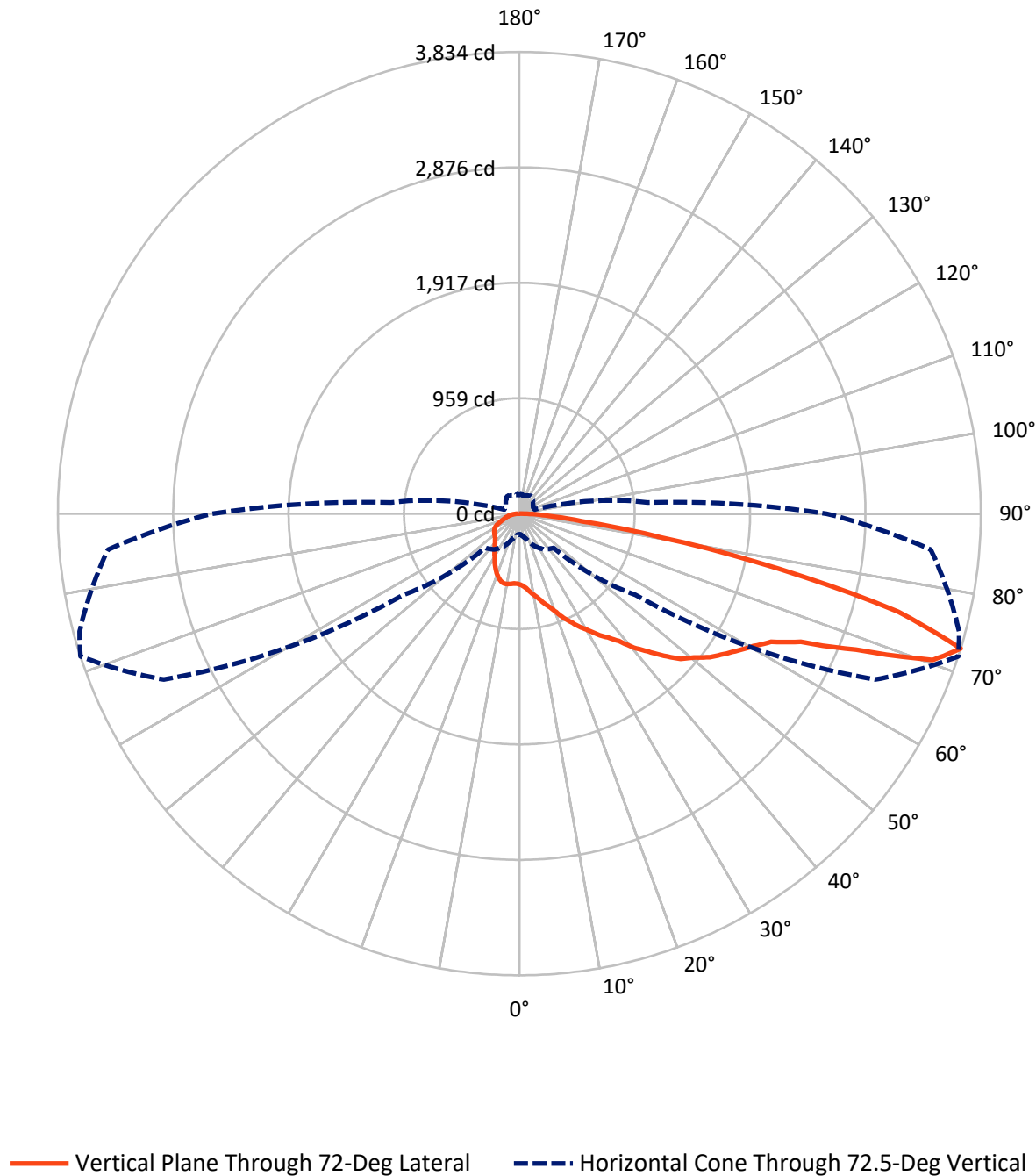
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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	949.1	0.0	949.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3560.8	0.0	3560.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	4510.0	0.0	4510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.3
10°-20°	181.0	4.0
20°-30°	313.2	6.9
30°-40°	462.6	10.3
40°-50°	687.9	15.3
50°-60°	943.1	20.9
60°-70°	1023.0	22.7
70°-80°	721.2	16.0
80°-90°	119.8	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°	4510.0	100.0
0°-180°	4510.0	100.0

Coefficient of Utilization



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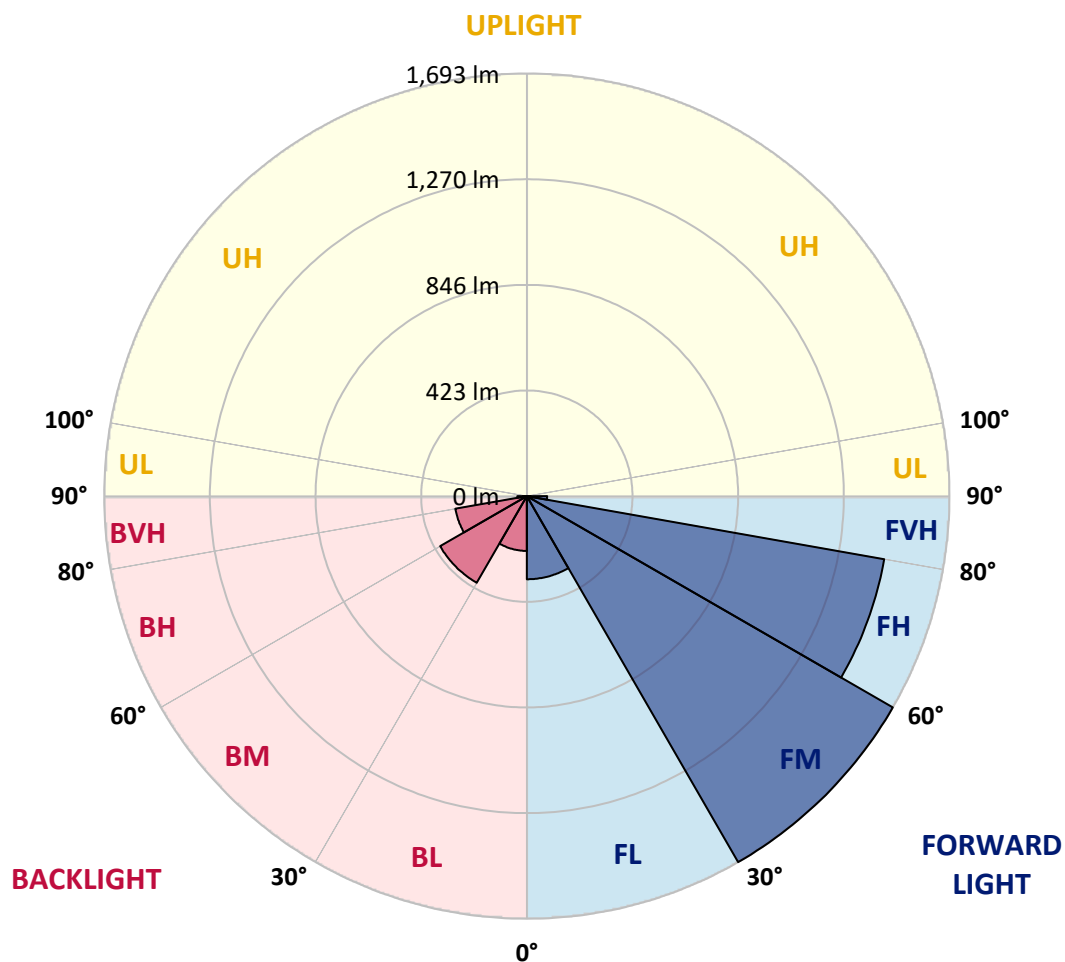
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.0	7.4			
FM	(30°-60°)	1692.7	37.5			
FH	(60°-80°)	1453.4	32.2			G1/1800
FVH	(80°-90°)	81.7	1.8			G1/100
BL	(0°-30°)	219.4	4.9	B1/500		
BM	(30°-60°)	400.9	8.9	B1/1000		
BH	(60°-80°)	290.7	6.4	B1/500		G1/500
BVH	(80°-90°)	38.1	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°	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1
2.5°	635.7	635.7	630.7	629.1	629.1	615.8	617.4	609.1	602.4	602.4	595.8
5°	669.0	665.7	665.7	665.7	657.4	652.4	650.7	635.7	624.1	625.7	605.8
7.5°	677.3	679.0	680.7	689.0	684.0	687.3	684.0	667.3	659.0	650.7	632.4
10°	682.3	685.7	685.7	697.3	697.3	705.6	710.6	704.0	689.0	680.7	650.7
12.5°	694.0	689.0	695.6	704.0	712.3	727.3	742.2	735.6	725.6	715.6	682.3
15°	694.0	695.6	700.6	713.9	727.3	742.2	768.9	778.8	773.9	755.5	720.6
17.5°	674.0	669.0	692.3	717.3	742.2	760.5	795.5	818.8	815.5	808.8	755.5
20°	675.7	680.7	689.0	710.6	750.6	783.8	827.1	865.4	873.7	870.4	802.1
22.5°	705.6	707.3	715.6	725.6	757.2	800.5	865.4	927.0	941.9	933.6	853.7
25°	735.6	748.9	748.9	755.5	767.2	812.1	890.4	976.9	998.5	1000.2	907.0
27.5°	783.8	787.2	797.2	800.5	810.5	837.1	918.6	1013.5	1063.4	1056.8	955.3
30°	840.4	842.1	848.7	845.4	847.1	880.4	945.3	1055.1	1123.3	1125.0	1006.8
32.5°	907.0	920.3	923.6	902.0	905.3	913.6	986.9	1105.0	1198.2	1186.6	1051.8
35°	1005.2	1010.2	1000.2	990.2	965.2	960.2	1030.1	1155.0	1263.1	1276.4	1118.3
37.5°	1126.7	1140.0	1126.7	1073.4	1046.8	1026.8	1083.4	1209.9	1341.4	1386.3	1184.9
40°	1239.8	1238.2	1224.9	1176.6	1130.0	1115.0	1160.0	1286.4	1462.8	1506.1	1281.4
42.5°	1331.4	1326.4	1318.1	1281.4	1238.2	1213.2	1248.2	1366.3	1564.4	1647.6	1392.9
45°	1411.2	1404.6	1406.3	1364.6	1323.0	1336.4	1336.4	1457.8	1684.2	1787.4	1521.1
47.5°	1486.1	1489.5	1484.5	1452.9	1421.2	1456.2	1437.9	1562.7	1802.3	1917.2	1629.3
50°	1572.7	1579.3	1562.7	1542.7	1514.4	1549.4	1526.1	1660.9	1878.9	2035.3	1759.1
52.5°	1654.2	1660.9	1675.9	1650.9	1622.6	1650.9	1597.6	1752.4	1980.4	2150.2	1858.9
55°	1674.2	1670.9	1754.1	1780.7	1795.7	1710.8	1660.9	1830.6	2060.3	2223.4	1972.1
57.5°	1582.7	1591.0	1704.1	1780.7	1940.5	1867.2	1732.4	1922.2	2143.5	2319.9	2076.9
60°	1354.7	1359.7	1501.1	1682.5	1915.5	2013.7	1925.5	2040.3	2235.0	2401.5	2195.1
62.5°	905.3	943.6	1120.0	1404.6	1739.1	2053.6	2233.4	2240.0	2346.5	2504.6	2356.5
65°	477.6	495.9	634.1	863.7	1318.1	1915.5	2522.9	2636.1	2569.5	2694.4	2589.5
67.5°	312.9	319.5	394.4	524.2	760.5	1397.9	2556.2	3323.4	3017.2	3055.5	2962.3
70°	233.0	236.3	291.2	387.8	471.0	747.2	2095.2	3644.6	3642.9	3541.4	3405.0
72.5°	171.4	176.4	214.7	296.2	362.8	402.7	1178.3	3260.2	3834.3	3782.7	3431.6
75°	134.8	138.1	158.1	229.7	292.9	264.6	597.5	2414.8	3251.9	3499.8	3140.4
77.5°	109.8	113.2	124.8	166.4	234.7	204.7	286.2	1557.7	2205.1	2519.6	2403.1
80°	91.5	91.5	99.9	118.2	181.4	154.8	169.7	875.4	1188.2	1311.4	1090.1
82.5°	78.2	76.6	83.2	86.5	134.8	111.5	109.8	396.1	522.6	554.2	409.4
85°	49.9	51.6	78.2	74.9	88.2	76.6	61.6	188.1	246.3	251.3	153.1
87.5°	20.0	20.0	33.3	41.6	49.9	46.6	30.0	84.9	108.2	108.2	43.3
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°	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1
2.5°	594.1	587.5	582.5	579.1	570.8	562.5	564.2	562.5	555.8	552.5	552.5
5°	600.8	594.1	585.8	572.5	564.2	554.2	557.5	550.9	544.2	549.2	540.9
7.5°	617.4	605.8	594.1	574.2	560.8	545.9	539.2	535.9	530.9	527.6	527.6
10°	640.7	624.1	602.4	572.5	550.9	527.6	524.2	517.6	512.6	512.6	510.9
12.5°	664.0	645.7	609.1	560.8	524.2	507.6	505.9	507.6	510.9	512.6	514.2
15°	694.0	664.0	607.4	539.2	502.6	495.9	504.3	510.9	517.6	524.2	522.6
17.5°	722.3	687.3	592.5	512.6	484.3	485.9	500.9	514.2	527.6	534.2	535.9
20°	760.5	709.0	570.8	481.0	466.0	481.0	500.9	517.6	532.5	540.9	542.5
22.5°	803.8	733.9	542.5	452.7	451.0	466.0	485.9	510.9	527.6	542.5	540.9
25°	842.1	750.6	505.9	429.4	432.7	442.7	466.0	492.6	509.2	525.9	520.9
27.5°	867.1	753.9	467.6	412.7	412.7	422.7	444.3	461.0	476.0	489.3	490.9
30°	895.3	747.2	424.4	391.1	391.1	404.4	412.7	422.7	431.0	434.4	437.7
32.5°	928.6	732.3	397.7	374.4	374.4	384.4	389.4	386.1	384.4	376.1	381.1
35°	960.2	710.6	367.8	352.8	359.5	364.5	362.8	352.8	342.8	327.8	322.9
37.5°	998.5	689.0	341.2	329.5	341.2	342.8	342.8	331.2	317.9	299.6	299.6
40°	1056.8	672.3	319.5	314.5	326.2	324.5	316.2	307.9	312.9	302.9	302.9
42.5°	1118.3	665.7	299.6	301.2	306.2	307.9	299.6	289.6	309.5	297.9	299.6
45°	1194.9	670.7	286.2	284.6	296.2	294.6	289.6	281.3	287.9	258.0	249.6
47.5°	1266.5	680.7	279.6	272.9	286.2	289.6	282.9	264.6	254.6	236.3	233.0
50°	1331.4	702.3	272.9	259.6	272.9	279.6	267.9	248.0	236.3	224.7	224.7
52.5°	1392.9	733.9	269.6	244.6	256.3	264.6	258.0	238.0	224.7	219.7	214.7
55°	1456.2	762.2	264.6	234.7	238.0	254.6	253.0	226.3	213.0	213.0	211.4
57.5°	1546.0	800.5	258.0	218.0	224.7	243.0	243.0	221.3	206.4	208.0	209.7
60°	1637.6	845.4	251.3	201.4	206.4	231.3	234.7	214.7	201.4	203.0	201.4
62.5°	1784.0	928.6	238.0	181.4	191.4	216.3	224.7	206.4	194.7	198.0	198.0
65°	2005.4	1071.7	209.7	164.8	176.4	203.0	214.7	198.0	184.7	194.7	191.4
67.5°	2361.5	1268.1	176.4	151.4	166.4	189.7	203.0	188.1	176.4	191.4	186.4
70°	2681.0	1364.6	151.4	139.8	151.4	174.7	189.7	178.1	166.4	181.4	174.7
72.5°	2551.2	1070.1	131.5	126.5	138.1	158.1	176.4	164.8	153.1	161.4	154.8
75°	2201.7	852.1	114.8	113.2	123.2	143.1	161.4	153.1	141.5	144.8	141.5
77.5°	1669.2	704.0	98.2	96.5	104.8	128.1	144.8	138.1	126.5	124.8	124.8
80°	745.6	346.2	81.5	81.5	86.5	109.8	123.2	119.8	108.2	106.5	104.8
82.5°	244.6	131.5	66.6	63.2	69.9	91.5	109.8	106.5	94.9	91.5	88.2
85°	98.2	63.2	48.3	48.3	54.9	76.6	98.2	91.5	76.6	68.2	68.2
87.5°	33.3	26.6	25.0	25.0	34.9	51.6	73.2	61.6	54.9	48.3	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

(END OF REPORT)