

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: P671094

Luminaire Tested: **CCP-SA-1D-735-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671094
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5549 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

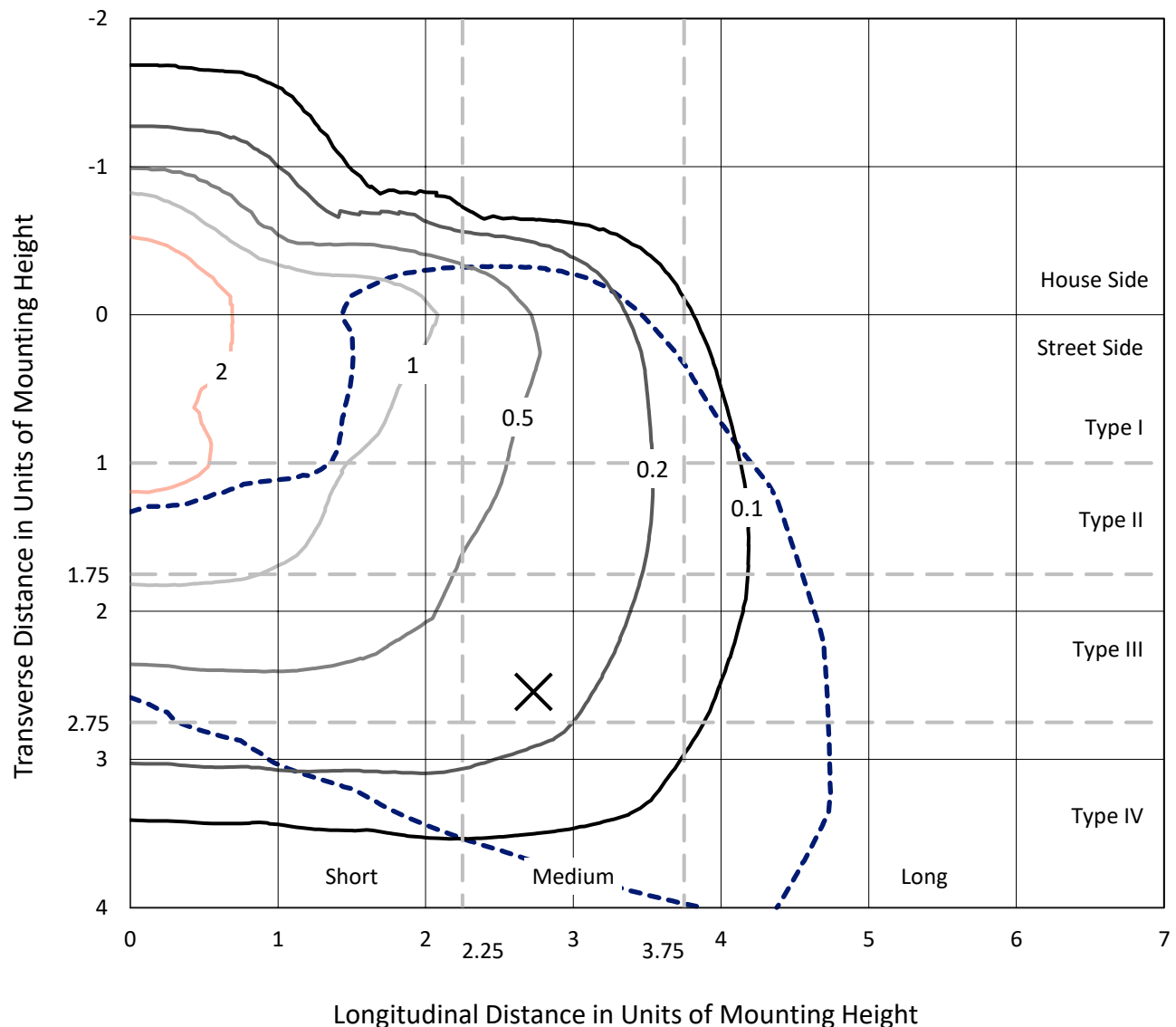
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

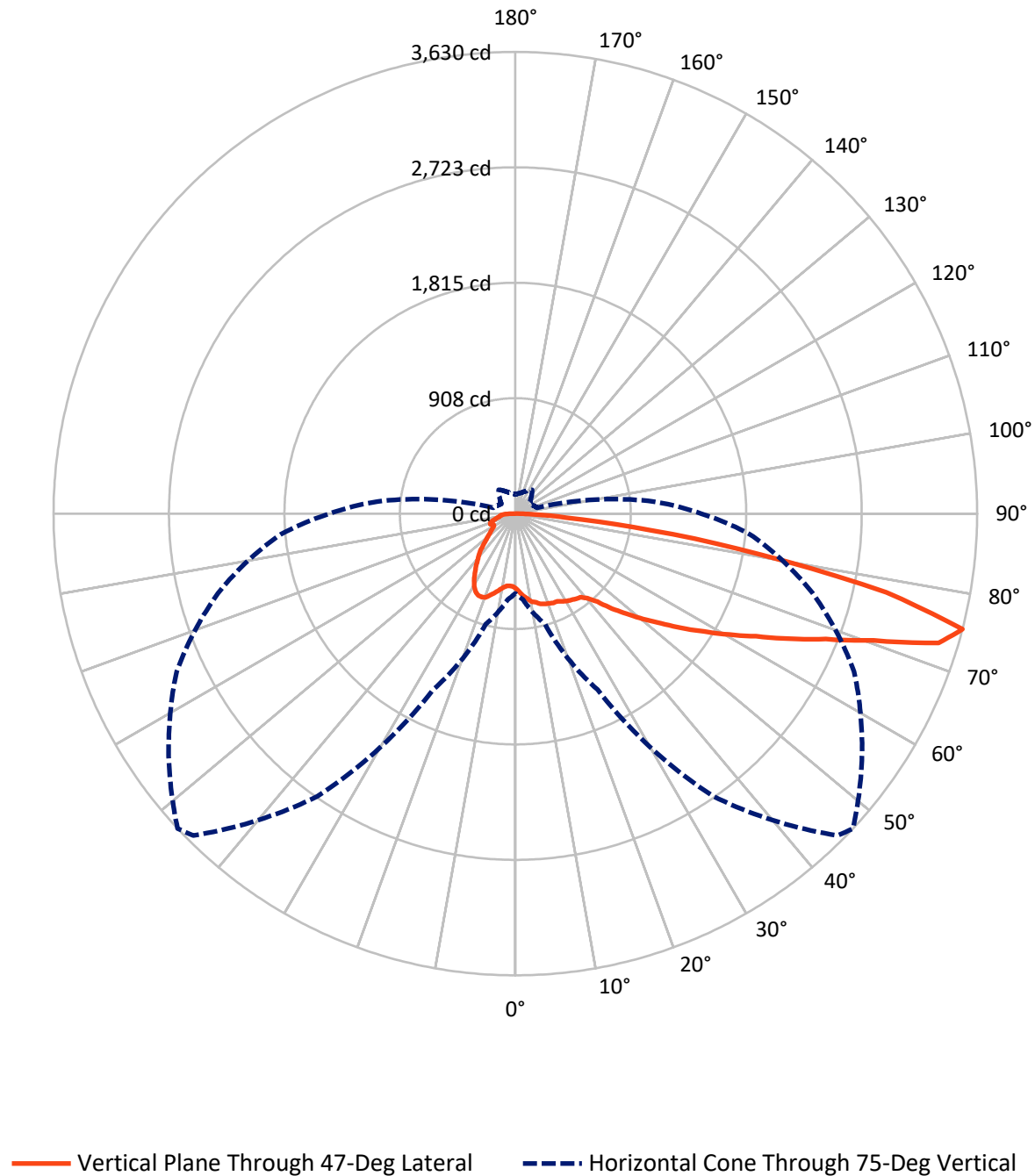
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1327.0	0.0	1327.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4222.0	0.0	4222.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	5549.0	0.0	5549.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.1
10°-20°	197.8	3.6
20°-30°	338.8	6.1
30°-40°	474.0	8.5
40°-50°	661.0	11.9
50°-60°	987.9	17.8
60°-70°	1424.4	25.7
70°-80°	1212.5	21.8
80°-90°	193.1	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°	5549.0	100.0
0°-180°	5549.0	100.0



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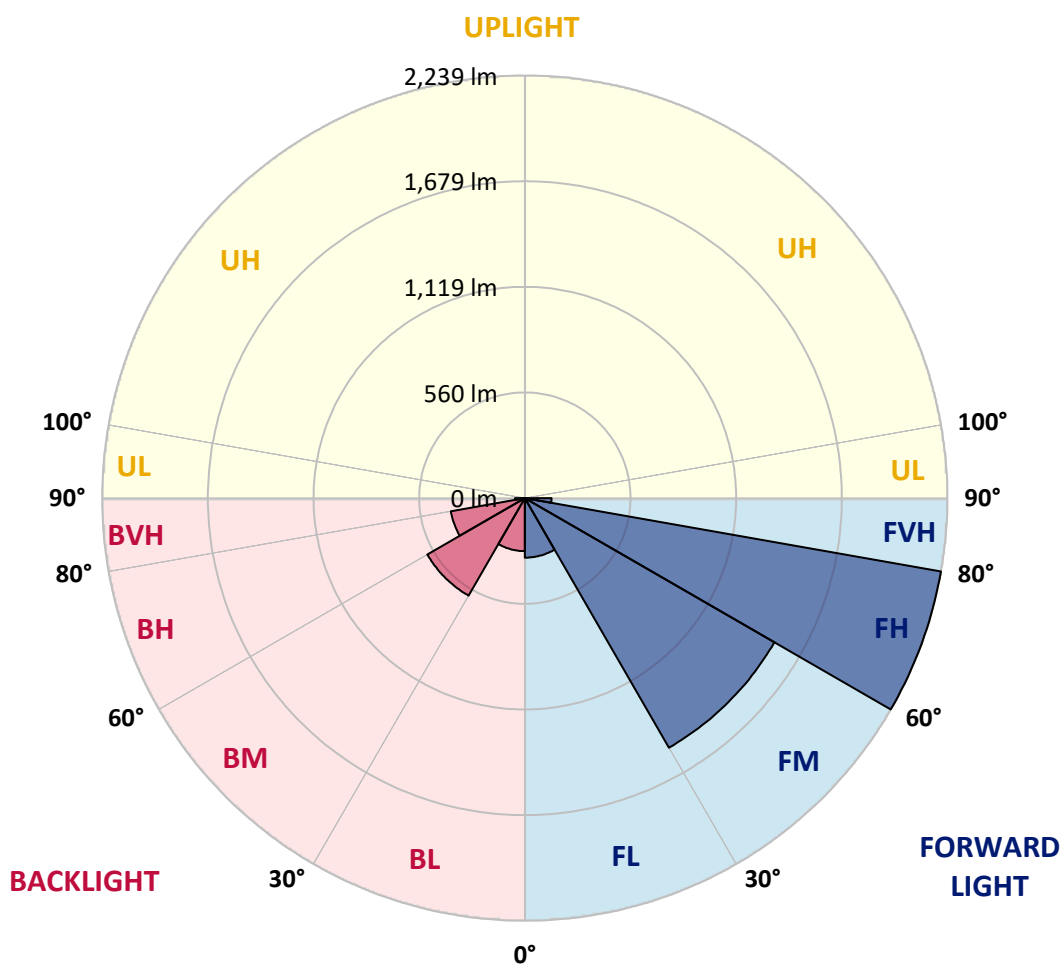
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.3	5.7			
FM	(30°-60°)	1526.5	27.5			
FH	(60°-80°)	2238.7	40.3			G2/5000
FVH	(80°-90°)	141.5	2.6			G2/225
BL	(0°-30°)	280.9	5.1	B1/500		
BM	(30°-60°)	596.4	10.7	B1/1000		
BH	(60°-80°)	398.1	7.2	B1/500		G1/500
BVH	(80°-90°)	51.6	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°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2
2.5°	631.7	633.7	633.7	629.7	625.6	617.5	617.5	609.4	605.4	595.3	591.2
5°	690.4	684.4	678.3	676.3	666.1	652.0	649.9	641.8	619.6	609.4	595.3
7.5°	732.9	730.9	728.9	720.8	702.6	680.3	674.2	662.1	639.8	619.6	603.4
10°	767.4	775.5	767.4	749.1	730.9	706.6	704.6	682.3	662.1	637.8	617.5
12.5°	805.8	807.9	793.7	771.4	743.1	722.8	714.7	706.6	684.4	664.1	633.7
15°	832.2	828.1	818.0	787.6	755.2	735.0	737.0	726.9	702.6	688.4	656.0
17.5°	832.2	832.2	816.0	793.7	765.3	747.1	747.1	741.0	724.8	704.6	682.3
20°	816.0	816.0	805.8	793.7	761.3	757.2	753.2	749.1	749.1	730.9	698.5
22.5°	795.7	791.7	795.7	775.5	753.2	757.2	763.3	761.3	755.2	739.0	716.7
25°	775.5	777.5	781.5	767.4	747.1	765.3	763.3	773.4	769.4	757.2	739.0
27.5°	773.4	777.5	779.5	765.3	757.2	773.4	781.5	791.7	793.7	781.5	759.3
30°	803.8	801.8	799.8	781.5	775.5	789.6	797.7	811.9	824.1	797.7	779.5
32.5°	882.8	870.6	858.5	809.9	791.7	801.8	809.9	830.1	832.2	818.0	791.7
35°	1008.3	1000.2	959.7	874.7	824.1	813.9	822.0	836.2	840.3	830.1	809.9
37.5°	1152.1	1148.0	1091.3	988.1	890.9	842.3	834.2	854.4	870.6	848.4	820.0
40°	1293.8	1277.6	1237.1	1135.9	975.9	884.8	874.7	884.8	890.9	874.7	856.4
42.5°	1421.3	1403.1	1393.0	1291.8	1087.3	955.7	947.6	923.3	941.5	921.2	896.9
45°	1528.7	1524.6	1520.6	1433.5	1214.8	1071.1	1065.0	1002.2	1022.5	1006.3	971.9
47.5°	1605.6	1623.8	1617.7	1569.1	1360.6	1194.6	1176.4	1095.4	1125.7	1109.5	1075.1
50°	1696.7	1706.8	1700.8	1668.4	1496.3	1336.3	1301.9	1218.9	1253.3	1251.3	1233.0
52.5°	1777.7	1808.1	1773.6	1771.6	1690.6	1490.2	1431.5	1352.5	1409.2	1431.5	1429.4
55°	1872.9	1897.1	1887.0	1883.0	1864.8	1640.0	1587.4	1492.2	1587.4	1619.8	1648.1
57.5°	1953.8	1951.8	1990.3	2036.9	2059.1	1812.1	1749.3	1638.0	1781.7	1818.2	1897.1
60°	1990.3	2024.7	2089.5	2206.9	2269.7	1996.4	1931.6	1842.5	1978.1	2006.5	2152.3
62.5°	2014.6	2045.0	2170.5	2368.9	2405.3	2184.7	2123.9	2034.8	2192.8	2213.0	2429.6
65°	1947.8	1976.1	2225.2	2429.6	2559.2	2387.1	2373.0	2279.8	2407.4	2419.5	2721.2
67.5°	1870.8	1901.2	2178.6	2506.6	2763.7	2656.4	2634.1	2522.8	2620.0	2605.8	2943.9
70°	1735.2	1775.7	2059.1	2573.4	2990.5	3033.0	2988.5	2830.5	2840.7	2707.0	2954.0
72.5°	1322.1	1348.5	1611.7	2308.2	3095.8	3555.4	3478.4	3162.6	3047.2	2727.3	2607.8
75°	627.7	676.3	899.0	1526.6	2713.1	3579.7	3630.3	3326.6	2937.8	2419.5	1848.6
77.5°	182.2	182.2	273.3	647.9	1700.8	2885.2	2980.4	2824.5	2423.6	1791.9	971.9
80°	99.2	105.3	143.8	228.8	747.1	1820.2	1957.9	1872.9	1427.4	708.6	251.1
82.5°	56.7	58.7	95.2	137.7	340.2	990.1	1071.1	971.9	542.6	214.6	117.4
85°	32.4	34.4	54.7	91.1	202.5	364.4	396.8	344.2	218.7	143.8	58.7
87.5°	16.2	16.2	26.3	42.5	103.3	103.3	101.2	123.5	131.6	87.1	26.3
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°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2
2.5°	589.2	587.2	587.2	579.1	577.0	571.0	571.0	566.9	564.9	571.0	571.0
5°	591.2	581.1	579.1	571.0	573.0	568.9	577.0	573.0	571.0	571.0	568.9
7.5°	595.3	585.1	577.0	571.0	568.9	575.0	585.1	585.1	597.3	591.2	591.2
10°	605.4	599.3	589.2	585.1	585.1	591.2	603.4	611.5	621.6	621.6	615.5
12.5°	629.7	619.6	607.4	601.3	609.4	615.5	627.7	635.8	647.9	652.0	647.9
15°	647.9	637.8	633.7	629.7	635.8	643.9	654.0	662.1	676.3	680.3	678.3
17.5°	672.2	660.1	658.0	660.1	664.1	670.2	676.3	682.3	692.4	692.4	692.4
20°	684.4	680.3	678.3	684.4	692.4	700.5	696.5	692.4	690.4	694.5	692.4
22.5°	706.6	702.6	704.6	710.7	710.7	706.6	700.5	686.4	682.3	686.4	682.3
25°	726.9	722.8	722.8	718.8	716.7	702.6	690.4	678.3	664.1	670.2	668.2
27.5°	747.1	745.1	745.1	728.9	708.6	684.4	668.2	654.0	645.9	656.0	649.9
30°	771.4	773.4	763.3	724.8	676.3	649.9	631.7	629.7	627.7	633.7	631.7
32.5°	793.7	795.7	779.5	718.8	652.0	601.3	583.1	585.1	595.3	605.4	615.5
35°	805.8	816.0	795.7	698.5	603.4	546.7	526.4	544.6	562.9	577.0	587.2
37.5°	828.1	854.4	820.0	676.3	560.8	498.1	483.9	490.0	512.3	534.5	544.6
40°	860.5	890.9	826.1	633.7	504.2	449.5	441.4	443.4	451.5	465.7	475.8
42.5°	917.2	949.6	832.2	579.1	447.5	419.1	396.8	390.8	384.7	384.7	382.7
45°	1000.2	1030.6	824.1	510.2	390.8	370.5	354.3	340.2	324.0	297.6	301.7
47.5°	1121.7	1146.0	830.1	449.5	338.1	321.9	309.8	293.6	269.3	240.9	238.9
50°	1305.9	1269.5	822.0	386.7	299.7	285.5	275.4	253.1	224.7	204.5	202.5
52.5°	1520.6	1447.7	813.9	334.1	267.3	255.1	247.0	222.7	196.4	186.3	184.2
55°	1779.7	1674.4	826.1	287.5	243.0	232.8	224.7	202.5	182.2	174.1	172.1
57.5°	2085.4	1919.4	892.9	251.1	216.6	212.6	210.6	192.3	174.1	168.1	166.0
60°	2373.0	2154.3	937.4	224.7	192.3	196.4	200.4	192.3	172.1	168.1	168.1
62.5°	2613.9	2348.7	866.6	202.5	180.2	192.3	210.6	204.5	196.4	200.4	196.4
65°	2826.5	2415.5	647.9	190.3	174.1	202.5	232.8	230.8	212.6	216.6	214.6
67.5°	2862.9	2334.5	423.2	180.2	170.1	222.7	261.2	236.9	200.4	200.4	194.4
70°	2711.1	2117.8	283.5	170.1	168.1	222.7	267.3	222.7	188.3	188.3	180.2
72.5°	2225.2	1692.7	218.7	160.0	153.9	198.4	253.1	210.6	176.1	172.1	157.9
75°	1461.8	1091.3	178.2	151.9	133.6	174.1	228.8	194.4	168.1	155.9	149.8
77.5°	716.7	490.0	149.8	133.6	115.4	151.9	208.5	184.2	157.9	145.8	141.7
80°	196.4	176.1	125.5	117.4	97.2	131.6	196.4	176.1	147.8	135.7	129.6
82.5°	111.4	109.3	101.2	95.2	81.0	131.6	198.4	176.1	139.7	137.7	117.4
85°	60.7	64.8	72.9	70.9	62.8	117.4	188.3	153.9	113.4	95.2	95.2
87.5°	24.3	30.4	36.4	40.5	42.5	87.1	141.7	117.4	87.1	72.9	72.9
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)