

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: P675288

Luminaire Tested: **CCW-SA-1A-760-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675288
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-760-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4W distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2823.2 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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

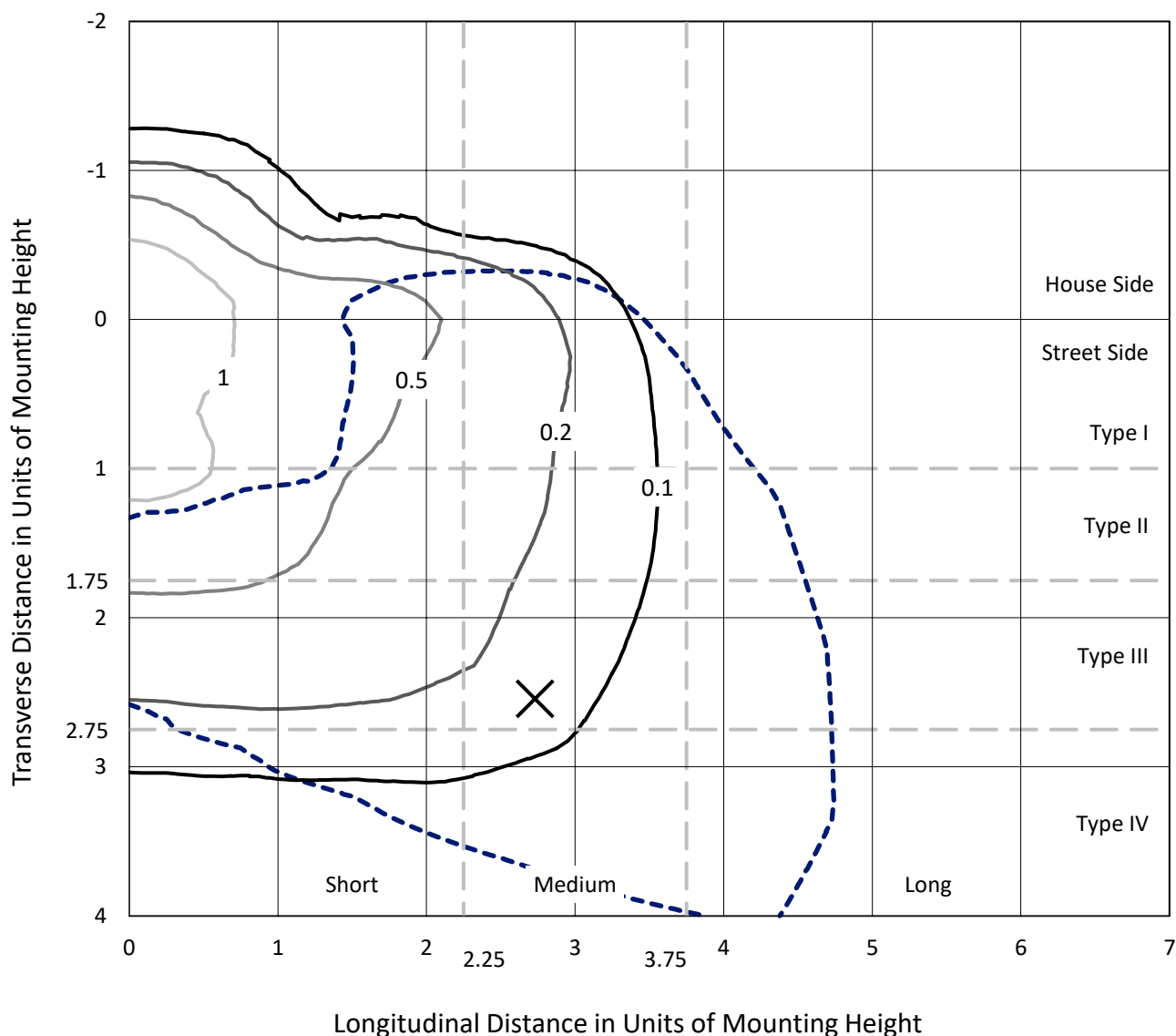
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

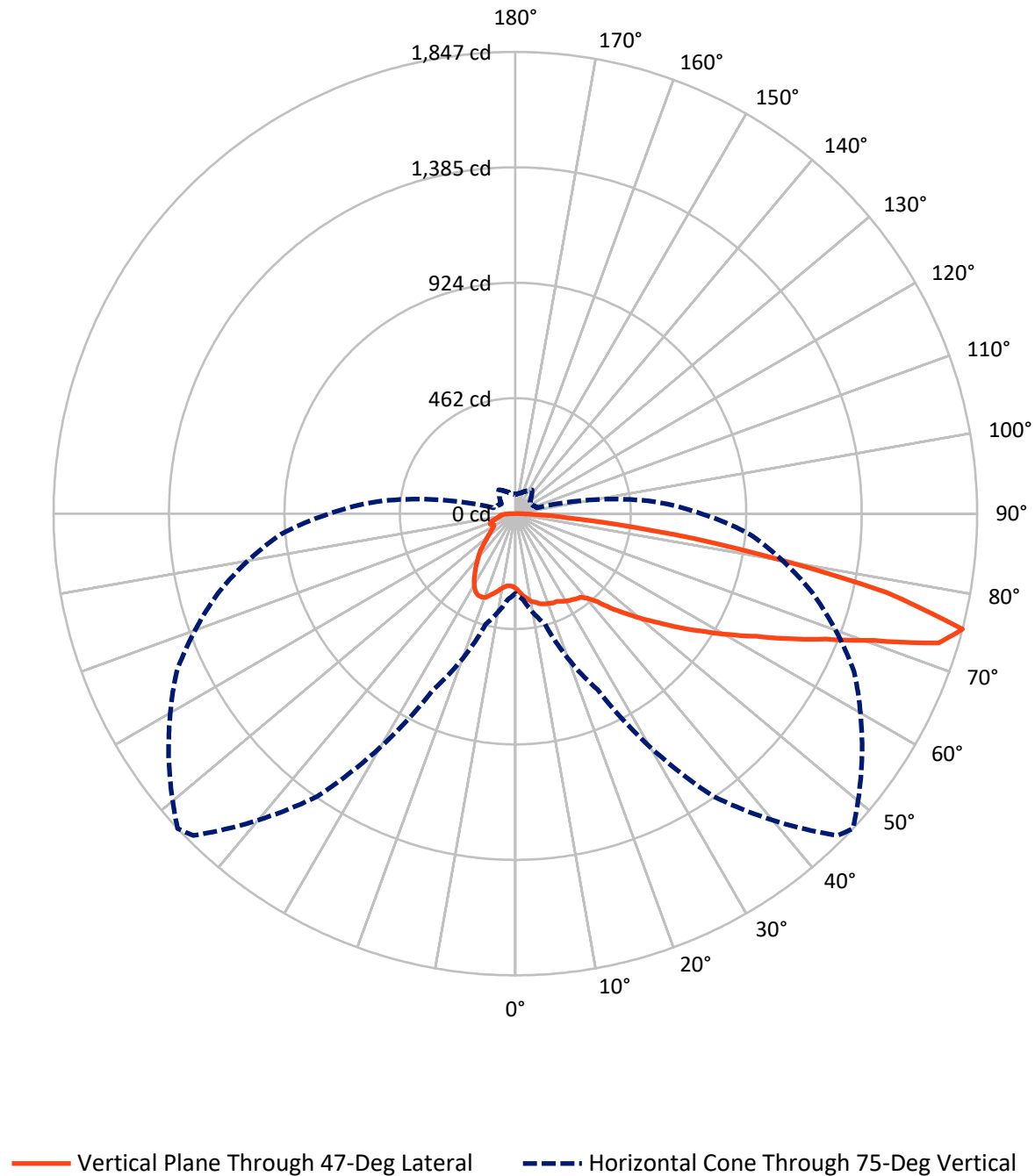
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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	675.2	0.0	675.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2148.0	0.0	2148.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	2823.2	0.0	2823.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.1
10°-20°	100.6	3.6
20°-30°	172.4	6.1
30°-40°	241.2	8.5
40°-50°	336.3	11.9
50°-60°	502.6	17.8
60°-70°	724.7	25.7
70°-80°	616.9	21.8
80°-90°	98.3	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°	2823.2	100.0
0°-180°	2823.2	100.0



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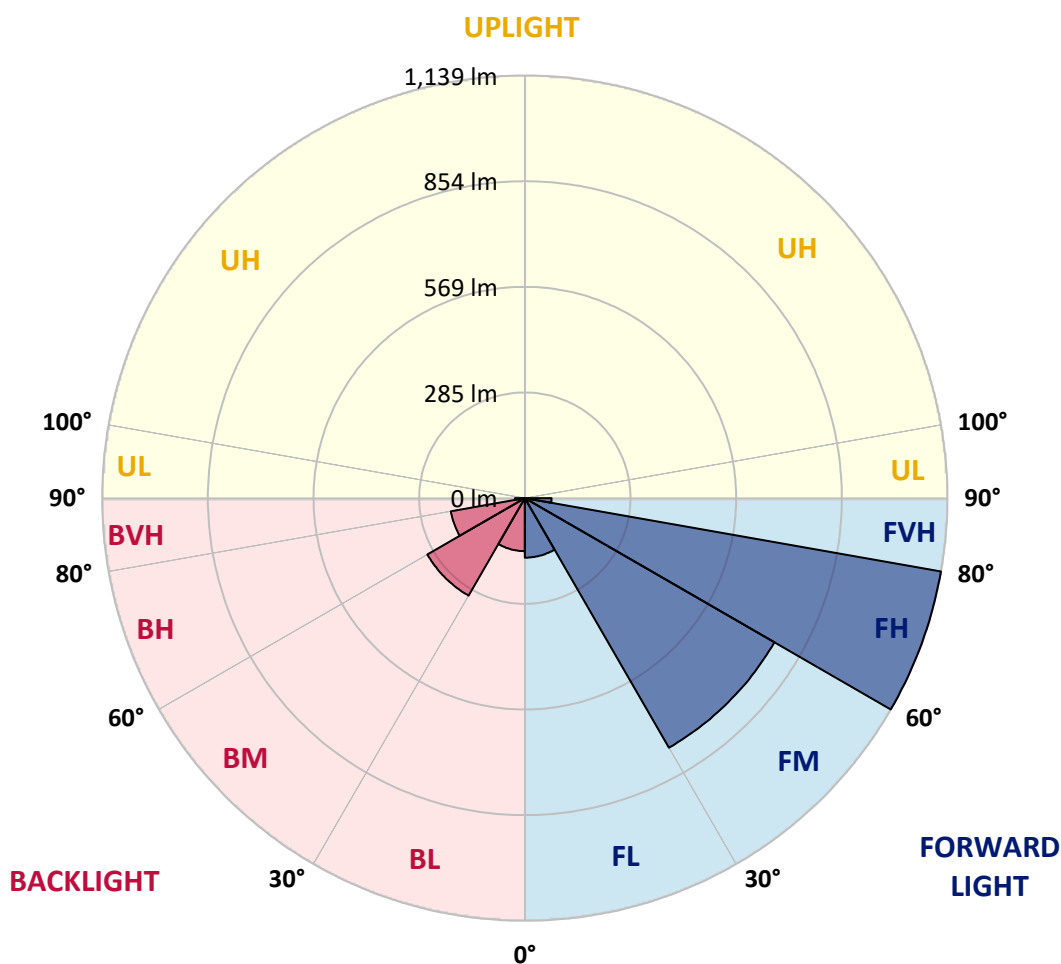
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.4	5.7			
FM	(30°-60°)	776.6	27.5			
FH	(60°-80°)	1139.0	40.3			G1/1800
FVH	(80°-90°)	72.0	2.6			G1/100
BL	(0°-30°)	142.9	5.1	B1/500		
BM	(30°-60°)	303.4	10.7	B1/1000		
BH	(60°-80°)	202.5	7.2	B1/500		G1/500
BVH	(80°-90°)	26.3	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-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8
2.5°	321.4	322.4	322.4	320.4	318.3	314.2	314.2	310.1	308.0	302.9	300.8
5°	351.3	348.2	345.1	344.1	338.9	331.7	330.7	326.5	315.2	310.1	302.9
7.5°	372.9	371.9	370.8	366.7	357.4	346.1	343.0	336.8	325.5	315.2	307.0
10°	390.4	394.5	390.4	381.1	371.9	359.5	358.5	347.1	336.8	324.5	314.2
12.5°	410.0	411.0	403.8	392.5	378.0	367.7	363.6	359.5	348.2	337.9	322.4
15°	423.4	421.3	416.2	400.7	384.2	373.9	375.0	369.8	357.4	350.2	333.8
17.5°	423.4	423.4	415.1	403.8	389.4	380.1	380.1	377.0	368.8	358.5	347.1
20°	415.1	415.1	410.0	403.8	387.3	385.3	383.2	381.1	381.1	371.9	355.4
22.5°	404.8	402.8	404.8	394.5	383.2	385.3	388.3	387.3	384.2	376.0	364.7
25°	394.5	395.6	397.6	390.4	380.1	389.4	388.3	393.5	391.4	385.3	376.0
27.5°	393.5	395.6	396.6	389.4	385.3	393.5	397.6	402.8	403.8	397.6	386.3
30°	409.0	407.9	406.9	397.6	394.5	401.7	405.9	413.1	419.3	405.9	396.6
32.5°	449.1	442.9	436.8	412.0	402.8	407.9	412.0	422.3	423.4	416.2	402.8
35°	513.0	508.9	488.3	445.0	419.3	414.1	418.2	425.4	427.5	422.3	412.0
37.5°	586.1	584.1	555.2	502.7	453.2	428.5	424.4	434.7	442.9	431.6	417.2
40°	658.2	650.0	629.4	577.9	496.5	450.2	445.0	450.2	453.2	445.0	435.7
42.5°	723.1	713.9	708.7	657.2	553.2	486.2	482.1	469.7	479.0	468.7	456.3
45°	777.7	775.7	773.6	729.3	618.1	544.9	541.8	509.9	520.2	512.0	494.4
47.5°	816.9	826.1	823.1	798.3	692.2	607.8	598.5	557.3	572.7	564.5	547.0
50°	863.2	868.4	865.3	848.8	761.2	679.9	662.4	620.1	637.6	636.6	627.3
52.5°	904.4	919.9	902.4	901.3	860.1	758.2	728.3	688.1	717.0	728.3	727.3
55°	952.8	965.2	960.1	958.0	948.7	834.4	807.6	759.2	807.6	824.1	838.5
57.5°	994.0	993.0	1012.6	1036.3	1047.6	921.9	890.0	833.4	906.5	925.0	965.2
60°	1012.6	1030.1	1063.1	1122.8	1154.7	1015.7	982.7	937.4	1006.4	1020.8	1095.0
62.5°	1025.0	1040.4	1104.3	1205.2	1223.8	1111.5	1080.6	1035.3	1115.6	1125.9	1236.1
65°	991.0	1005.4	1132.1	1236.1	1302.0	1214.5	1207.3	1159.9	1224.8	1231.0	1384.5
67.5°	951.8	967.3	1108.4	1275.3	1406.1	1351.5	1340.2	1283.5	1333.0	1325.7	1497.8
70°	882.8	903.4	1047.6	1309.3	1521.5	1543.1	1520.4	1440.1	1445.2	1377.2	1502.9
72.5°	672.7	686.0	820.0	1174.3	1575.0	1808.9	1769.7	1609.0	1550.3	1387.5	1326.8
75°	319.3	344.1	457.4	776.7	1380.3	1821.2	1847.0	1692.5	1494.7	1231.0	940.5
77.5°	92.7	92.7	139.1	329.6	865.3	1467.9	1516.3	1437.0	1233.0	911.6	494.4
80°	50.5	53.6	73.1	116.4	380.1	926.1	996.1	952.8	726.2	360.5	127.7
82.5°	28.8	29.9	48.4	70.0	173.1	503.7	544.9	494.4	276.1	109.2	59.7
85°	16.5	17.5	27.8	46.4	103.0	185.4	201.9	175.1	111.3	73.1	29.9
87.5°	8.2	8.2	13.4	21.6	52.5	52.5	51.5	62.8	67.0	44.3	13.4
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°	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8	299.8
2.5°	299.8	298.7	298.7	294.6	293.6	290.5	290.5	288.4	287.4	290.5	290.5
5°	300.8	295.6	294.6	290.5	291.5	289.5	293.6	291.5	290.5	290.5	289.5
7.5°	302.9	297.7	293.6	290.5	289.5	292.5	297.7	297.7	303.9	300.8	300.8
10°	308.0	304.9	299.8	297.7	297.7	300.8	307.0	311.1	316.2	316.2	313.2
12.5°	320.4	315.2	309.0	305.9	310.1	313.2	319.3	323.5	329.6	331.7	329.6
15°	329.6	324.5	322.4	320.4	323.5	327.6	332.7	336.8	344.1	346.1	345.1
17.5°	342.0	335.8	334.8	335.8	337.9	341.0	344.1	347.1	352.3	352.3	352.3
20°	348.2	346.1	345.1	348.2	352.3	356.4	354.4	352.3	351.3	353.3	352.3
22.5°	359.5	357.4	358.5	361.6	361.6	359.5	356.4	349.2	347.1	349.2	347.1
25°	369.8	367.7	367.7	365.7	364.7	357.4	351.3	345.1	337.9	341.0	339.9
27.5°	380.1	379.1	379.1	370.8	360.5	348.2	339.9	332.7	328.6	333.8	330.7
30°	392.5	393.5	388.3	368.8	344.1	330.7	321.4	320.4	319.3	322.4	321.4
32.5°	403.8	404.8	396.6	365.7	331.7	305.9	296.7	297.7	302.9	308.0	313.2
35°	410.0	415.1	404.8	355.4	307.0	278.1	267.8	277.1	286.4	293.6	298.7
37.5°	421.3	434.7	417.2	344.1	285.3	253.4	246.2	249.3	260.6	271.9	277.1
40°	437.8	453.2	420.3	322.4	256.5	228.7	224.6	225.6	229.7	236.9	242.1
42.5°	466.6	483.1	423.4	294.6	227.7	213.2	201.9	198.8	195.7	195.7	194.7
45°	508.9	524.3	419.3	259.6	198.8	188.5	180.3	173.1	164.8	151.4	153.5
47.5°	570.7	583.0	422.3	228.7	172.0	163.8	157.6	149.4	137.0	122.6	121.6
50°	664.4	645.9	418.2	196.7	152.5	145.2	140.1	128.8	114.3	104.0	103.0
52.5°	773.6	736.5	414.1	170.0	136.0	129.8	125.7	113.3	99.9	94.8	93.7
55°	905.5	851.9	420.3	146.3	123.6	118.5	114.3	103.0	92.7	88.6	87.6
57.5°	1061.0	976.5	454.3	127.7	110.2	108.2	107.1	97.9	88.6	85.5	84.5
60°	1207.3	1096.0	476.9	114.3	97.9	99.9	102.0	97.9	87.6	85.5	85.5
62.5°	1329.9	1194.9	440.9	103.0	91.7	97.9	107.1	104.0	99.9	102.0	99.9
65°	1438.0	1228.9	329.6	96.8	88.6	103.0	118.5	117.4	108.2	110.2	109.2
67.5°	1456.6	1187.7	215.3	91.7	86.5	113.3	132.9	120.5	102.0	102.0	98.9
70°	1379.3	1077.5	144.2	86.5	85.5	113.3	136.0	113.3	95.8	95.8	91.7
72.5°	1132.1	861.2	111.3	81.4	78.3	101.0	128.8	107.1	89.6	87.6	80.3
75°	743.7	555.2	90.6	77.3	68.0	88.6	116.4	98.9	85.5	79.3	76.2
77.5°	364.7	249.3	76.2	68.0	58.7	77.3	106.1	93.7	80.3	74.2	72.1
80°	99.9	89.6	63.9	59.7	49.4	67.0	99.9	89.6	75.2	69.0	65.9
82.5°	56.7	55.6	51.5	48.4	41.2	67.0	101.0	89.6	71.1	70.0	59.7
85°	30.9	33.0	37.1	36.1	31.9	59.7	95.8	78.3	57.7	48.4	48.4
87.5°	12.4	15.5	18.5	20.6	21.6	44.3	72.1	59.7	44.3	37.1	37.1
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)