

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: P675260

Luminaire Tested: **CCW-SA-1F-735-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675260
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T4W distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

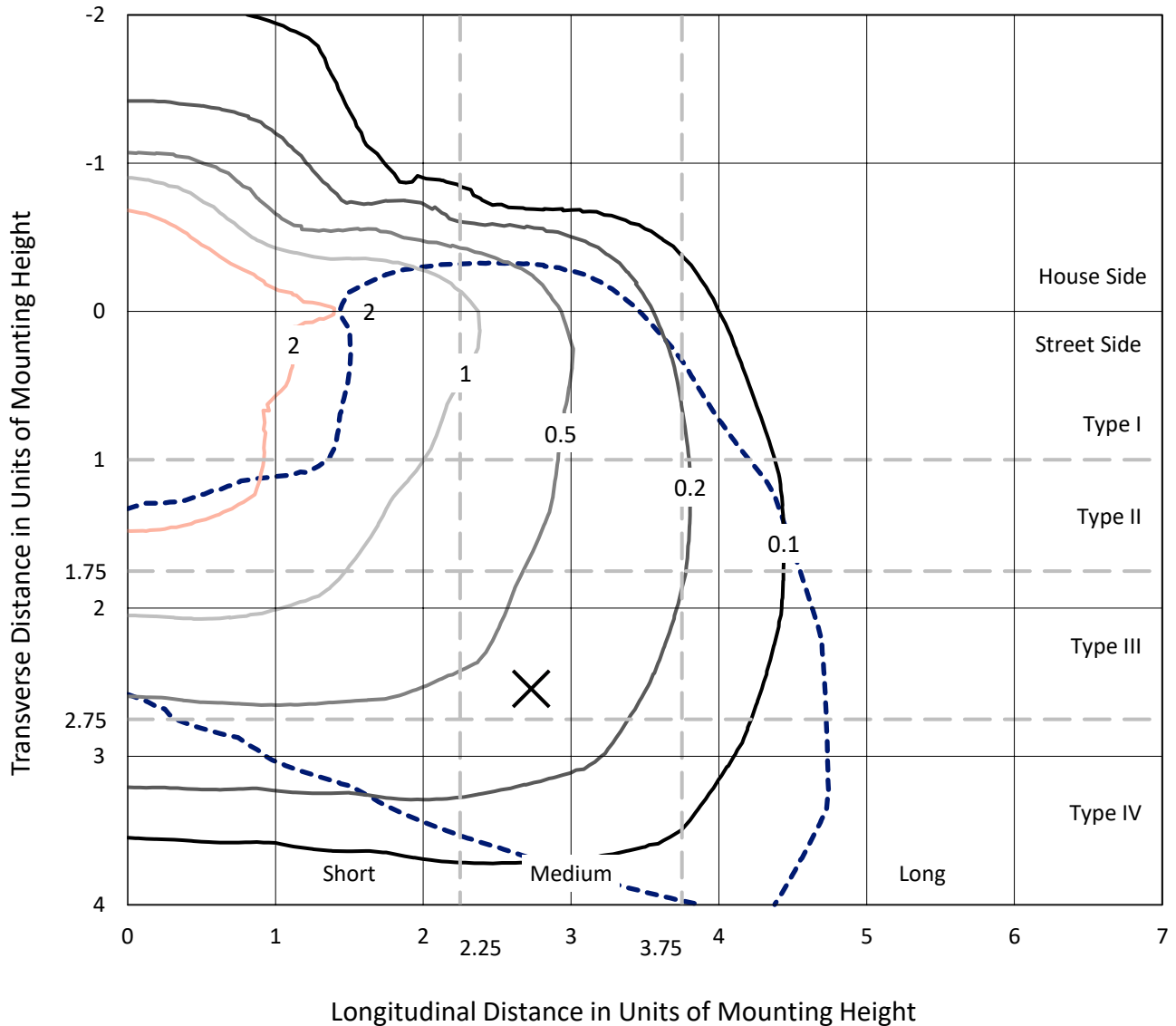
Lumens per Lamp: N/A
Luminaire Lumens: 7460.2 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 67
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

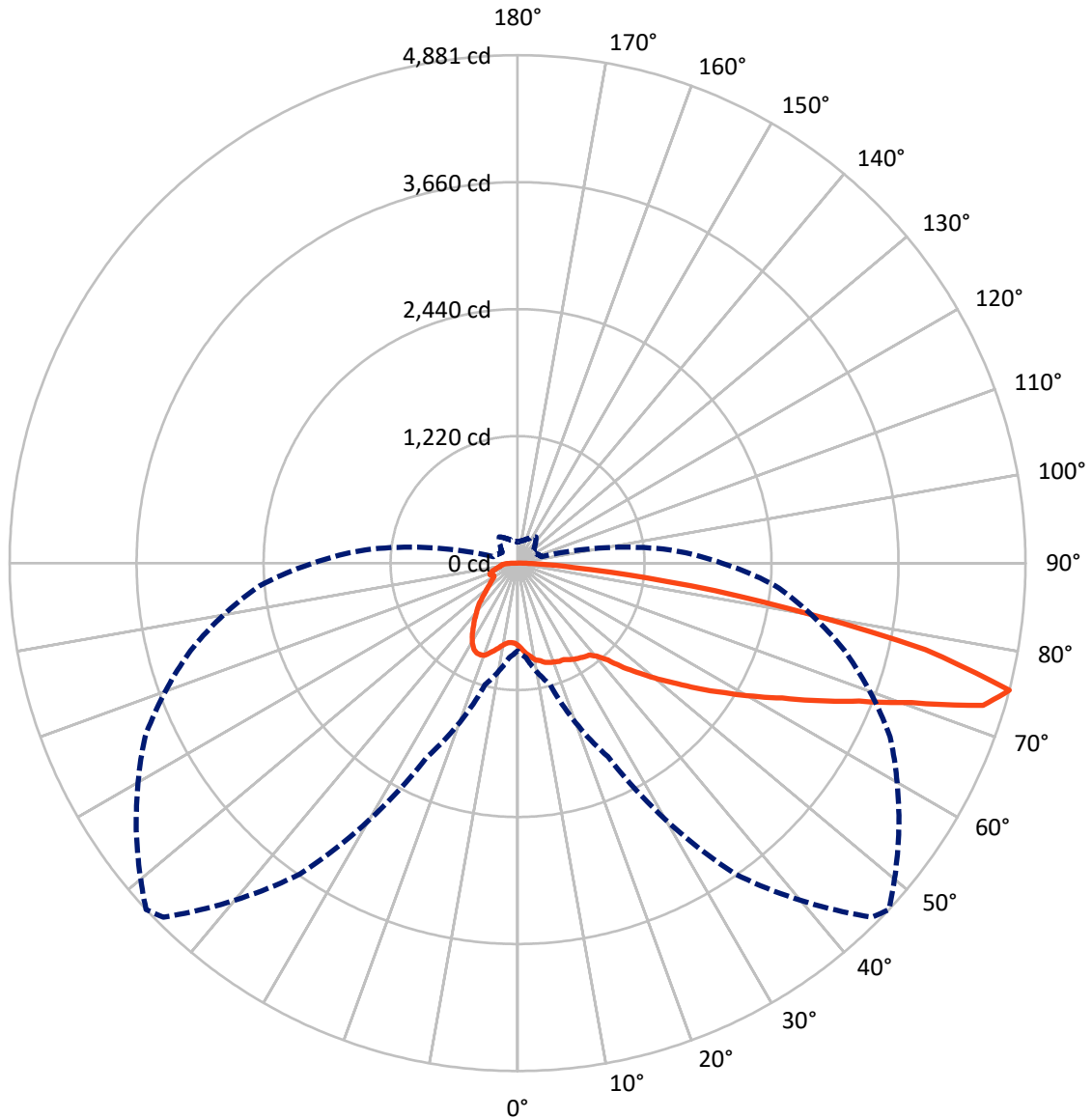
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1784.1	0.0	1784.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5676.1	0.0	5676.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	7460.2	0.0	7460.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	1.1
10°-20°	265.9	3.6
20°-30°	455.5	6.1
30°-40°	637.3	8.5
40°-50°	888.6	11.9
50°-60°	1328.2	17.8
60°-70°	1914.9	25.7
70°-80°	1630.0	21.8
80°-90°	259.7	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°	7460.2	100.0
0°-180°	7460.2	100.0



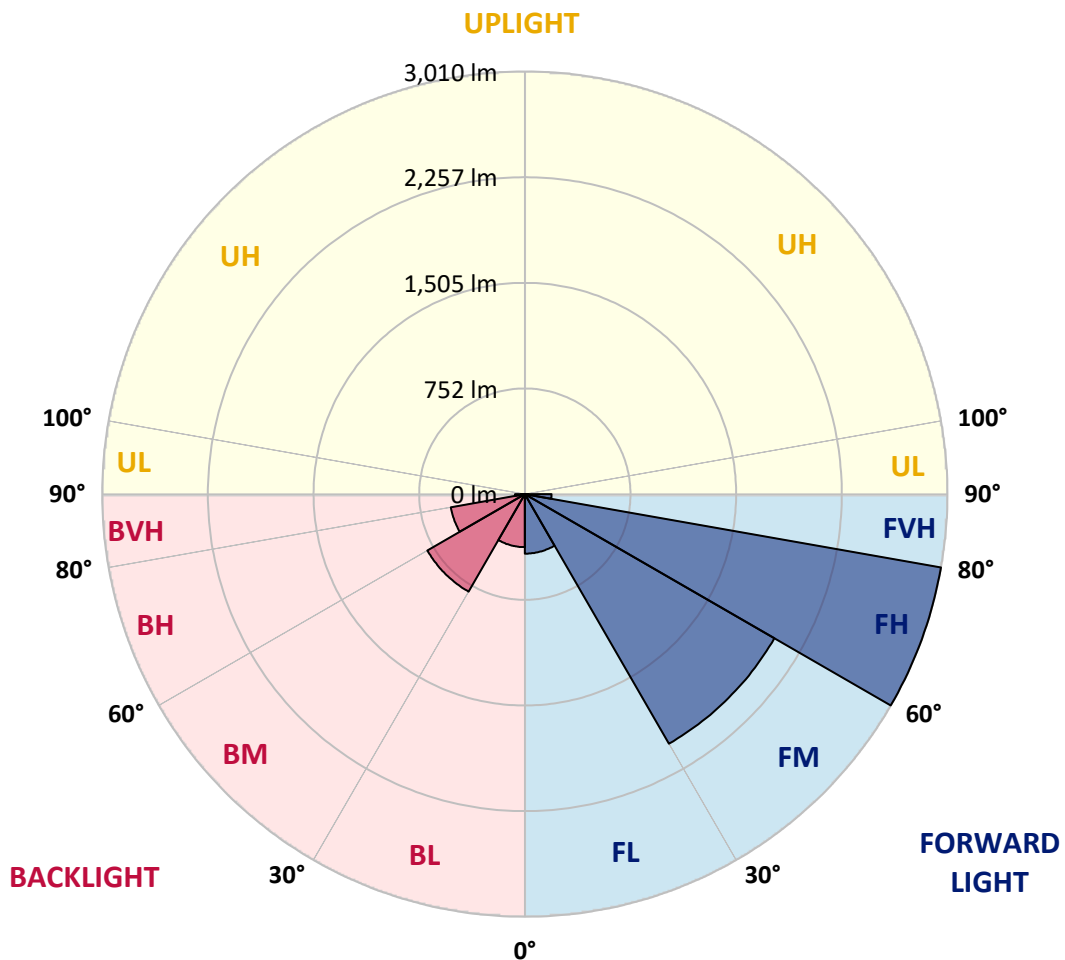
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.9	5.7			
FM (30°-60°)	2052.3	27.5			
FH (60°-80°)	3009.7	40.3			G2/5000
FVH (80°-90°)	190.3	2.6			G2/225
BL (0°-30°)	377.6	5.1	B1/500		
BM (30°-60°)	801.8	10.7	B1/1000		
BH (60°-80°)	535.2	7.2	B2/1000		G2/1000
BVH (80°-90°)	69.4	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1
2.5°	849.3	852.0	852.0	846.6	841.1	830.2	830.2	819.3	813.9	800.3	794.8
5°	928.2	920.1	911.9	909.2	895.6	876.5	873.8	862.9	832.9	819.3	800.3
7.5°	985.4	982.7	979.9	969.0	944.6	914.6	906.4	890.1	860.2	832.9	811.2
10°	1031.7	1042.5	1031.7	1007.2	982.7	950.0	947.3	917.3	890.1	857.4	830.2
12.5°	1083.4	1086.1	1067.0	1037.1	999.0	971.8	960.9	950.0	920.1	892.8	852.0
15°	1118.8	1113.3	1099.7	1058.9	1015.3	988.1	990.8	977.2	944.6	925.5	881.9
17.5°	1118.8	1118.8	1097.0	1067.0	1028.9	1004.4	1004.4	996.3	974.5	947.3	917.3
20°	1097.0	1097.0	1083.4	1067.0	1023.5	1018.0	1012.6	1007.2	1007.2	982.7	939.1
22.5°	1069.8	1064.3	1069.8	1042.5	1012.6	1018.0	1026.2	1023.5	1015.3	993.5	963.6
25°	1042.5	1045.3	1050.7	1031.7	1004.4	1028.9	1026.2	1039.8	1034.4	1018.0	993.5
27.5°	1039.8	1045.3	1048.0	1028.9	1018.0	1039.8	1050.7	1064.3	1067.0	1050.7	1020.8
30°	1080.7	1077.9	1075.2	1050.7	1042.5	1061.6	1072.5	1091.5	1107.9	1072.5	1048.0
32.5°	1186.8	1170.5	1154.1	1088.8	1064.3	1077.9	1088.8	1116.0	1118.8	1099.7	1064.3
35°	1355.6	1344.7	1290.3	1175.9	1107.9	1094.3	1105.2	1124.2	1129.7	1116.0	1088.8
37.5°	1548.8	1543.4	1467.2	1328.4	1197.7	1132.4	1121.5	1148.7	1170.5	1140.5	1102.4
40°	1739.4	1717.6	1663.2	1527.1	1312.0	1189.5	1175.9	1189.5	1197.7	1175.9	1151.4
42.5°	1910.9	1886.4	1872.8	1736.7	1461.7	1284.8	1273.9	1241.3	1265.8	1238.5	1205.9
45°	2055.1	2049.7	2044.3	1927.2	1633.2	1440.0	1431.8	1347.4	1374.6	1352.9	1306.6
47.5°	2158.6	2183.1	2174.9	2109.6	1829.2	1606.0	1581.5	1472.6	1513.5	1491.7	1445.4
50°	2281.1	2294.7	2286.5	2243.0	2011.6	1796.6	1750.3	1638.7	1684.9	1682.2	1657.7
52.5°	2390.0	2430.8	2384.5	2381.8	2272.9	2003.4	1924.5	1818.3	1894.5	1924.5	1921.8
55°	2517.9	2550.6	2537.0	2531.5	2507.0	2204.9	2134.1	2006.2	2134.1	2177.6	2215.7
57.5°	2626.8	2624.1	2675.8	2738.4	2768.3	2436.2	2351.9	2202.1	2395.4	2444.4	2550.6
60°	2675.8	2722.1	2809.2	2967.0	3051.4	2683.9	2596.8	2477.1	2659.4	2697.6	2893.5
62.5°	2708.4	2749.3	2918.0	3184.8	3233.8	2937.1	2855.4	2735.7	2948.0	2975.2	3266.5
65°	2618.6	2656.7	2991.5	3266.5	3440.7	3209.3	3190.2	3065.0	3236.5	3252.8	3658.4
67.5°	2515.2	2556.0	2928.9	3369.9	3715.6	3571.3	3541.4	3391.7	3522.3	3503.3	3957.9
70°	2332.8	2387.2	2768.3	3459.7	4020.5	4077.6	4017.7	3805.4	3819.0	3639.4	3971.5
72.5°	1777.5	1812.9	2166.8	3103.1	4162.0	4779.9	4676.5	4251.8	4096.7	3666.6	3506.0
75°	843.8	909.2	1208.6	2052.4	3647.5	4812.6	4880.6	4472.3	3949.7	3252.8	2485.2
77.5°	245.0	245.0	367.5	871.1	2286.5	3878.9	4006.9	3797.3	3258.3	2409.0	1306.6
80°	133.4	141.5	193.3	307.6	1004.4	2447.1	2632.2	2517.9	1919.0	952.7	337.5
82.5°	76.2	78.9	127.9	185.1	457.3	1331.1	1440.0	1306.6	729.5	288.5	157.9
85°	43.6	46.3	73.5	122.5	272.2	490.0	533.5	462.7	294.0	193.3	78.9
87.5°	21.8	21.8	35.4	57.2	138.8	138.8	136.1	166.0	176.9	117.0	35.4
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°	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1
2.5°	792.1	789.4	789.4	778.5	775.8	767.6	767.6	762.2	759.5	767.6	767.6
5°	794.8	781.2	778.5	767.6	770.3	764.9	775.8	770.3	767.6	767.6	764.9
7.5°	800.3	786.7	775.8	767.6	764.9	773.1	786.7	786.7	803.0	794.8	794.8
10°	813.9	805.7	792.1	786.7	786.7	794.8	811.2	822.1	835.7	835.7	827.5
12.5°	846.6	832.9	816.6	808.4	819.3	827.5	843.8	854.7	871.1	876.5	871.1
15°	871.1	857.4	852.0	846.6	854.7	865.6	879.2	890.1	909.2	914.6	911.9
17.5°	903.7	887.4	884.7	887.4	892.8	901.0	909.2	917.3	930.9	930.9	930.9
20°	920.1	914.6	911.9	920.1	930.9	941.8	936.4	930.9	928.2	933.7	930.9
22.5°	950.0	944.6	947.3	955.4	955.4	950.0	941.8	922.8	917.3	922.8	917.3
25°	977.2	971.8	971.8	966.3	963.6	944.6	928.2	911.9	892.8	901.0	898.3
27.5°	1004.4	1001.7	1001.7	979.9	952.7	920.1	898.3	879.2	868.3	881.9	873.8
30°	1037.1	1039.8	1026.2	974.5	909.2	873.8	849.3	846.6	843.8	852.0	849.3
32.5°	1067.0	1069.8	1048.0	966.3	876.5	808.4	784.0	786.7	800.3	813.9	827.5
35°	1083.4	1097.0	1069.8	939.1	811.2	735.0	707.7	732.2	756.7	775.8	789.4
37.5°	1113.3	1148.7	1102.4	909.2	754.0	669.6	650.6	658.7	688.7	718.6	732.2
40°	1156.9	1197.7	1110.6	852.0	677.8	604.3	593.4	596.1	607.0	626.1	639.7
42.5°	1233.1	1276.6	1118.8	778.5	601.6	563.5	533.5	525.4	517.2	517.2	514.5
45°	1344.7	1385.5	1107.9	686.0	525.4	498.1	476.4	457.3	435.5	400.1	405.6
47.5°	1508.0	1540.7	1116.0	604.3	454.6	432.8	416.5	394.7	362.0	323.9	321.2
50°	1755.7	1706.7	1105.2	519.9	402.9	383.8	370.2	340.3	302.1	274.9	272.2
52.5°	2044.3	1946.3	1094.3	449.1	359.3	343.0	332.1	299.4	264.0	250.4	247.7
55°	2392.7	2251.1	1110.6	386.5	326.6	313.0	302.1	272.2	245.0	234.1	231.4
57.5°	2803.7	2580.5	1200.4	337.5	291.3	285.8	283.1	258.6	234.1	225.9	223.2
60°	3190.2	2896.3	1260.3	302.1	258.6	264.0	269.5	258.6	231.4	225.9	225.9
62.5°	3514.2	3157.6	1165.0	272.2	242.3	258.6	283.1	274.9	264.0	269.5	264.0
65°	3800.0	3247.4	871.1	255.9	234.1	272.2	313.0	310.3	285.8	291.3	288.5
67.5°	3849.0	3138.5	568.9	242.3	228.7	299.4	351.1	318.5	269.5	269.5	261.3
70°	3644.8	2847.3	381.1	228.7	225.9	299.4	359.3	299.4	253.2	253.2	242.3
72.5°	2991.5	2275.6	294.0	215.0	206.9	266.8	340.3	283.1	236.8	231.4	212.3
75°	1965.3	1467.2	239.5	204.2	179.7	234.1	307.6	261.3	225.9	209.6	201.4
77.5°	963.6	658.7	201.4	179.7	155.2	204.2	280.4	247.7	212.3	196.0	190.5
80°	264.0	236.8	168.8	157.9	130.7	176.9	264.0	236.8	198.7	182.4	174.2
82.5°	149.7	147.0	136.1	127.9	108.9	176.9	266.8	236.8	187.8	185.1	157.9
85°	81.7	87.1	98.0	95.3	84.4	157.9	253.2	206.9	152.4	127.9	127.9
87.5°	32.7	40.8	49.0	54.4	57.2	117.0	190.5	157.9	117.0	98.0	98.0
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)