

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: P675229

Luminaire Tested: **CCW-SA-2B-722-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675229
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-722-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T4W distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5132 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

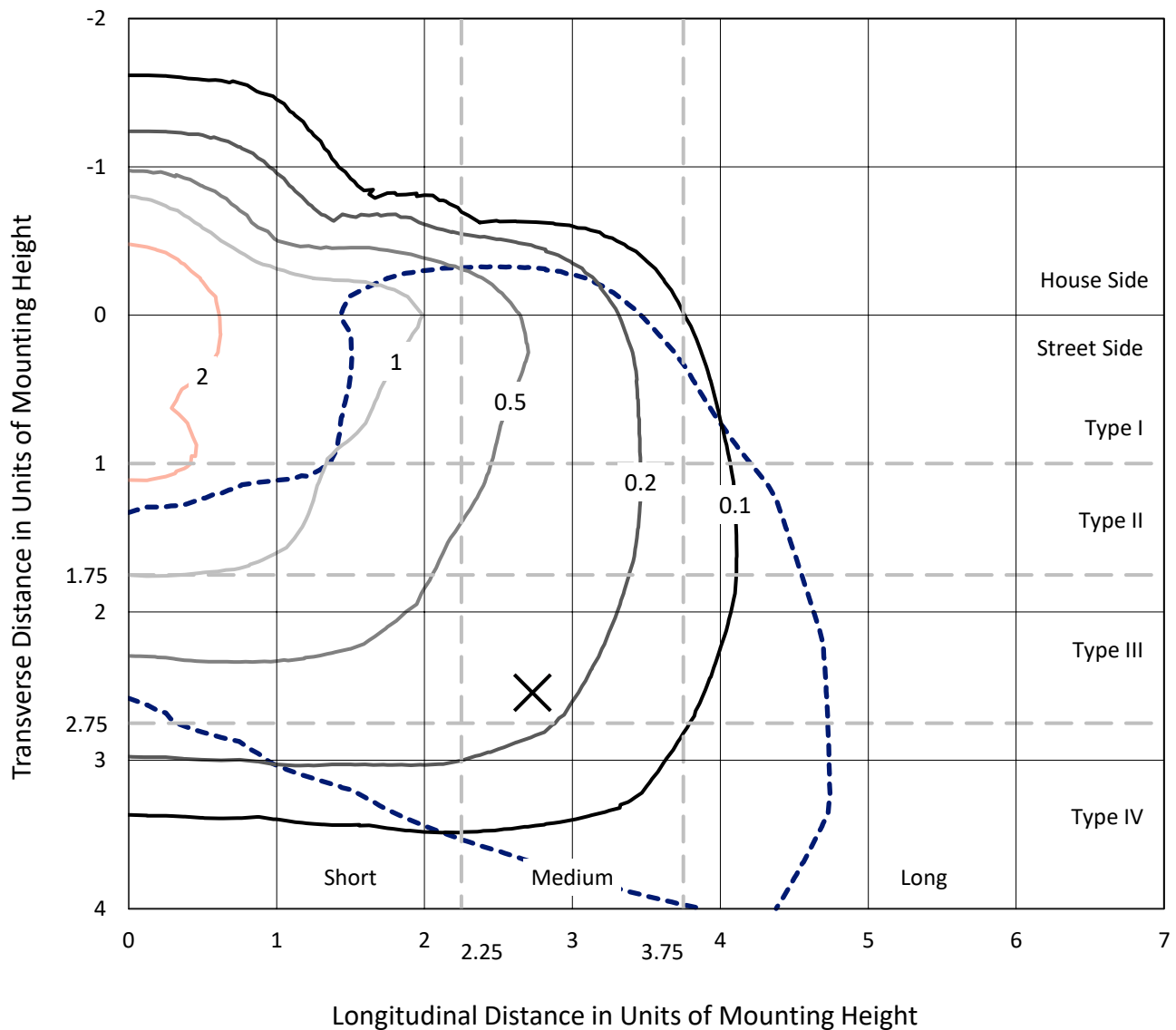
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

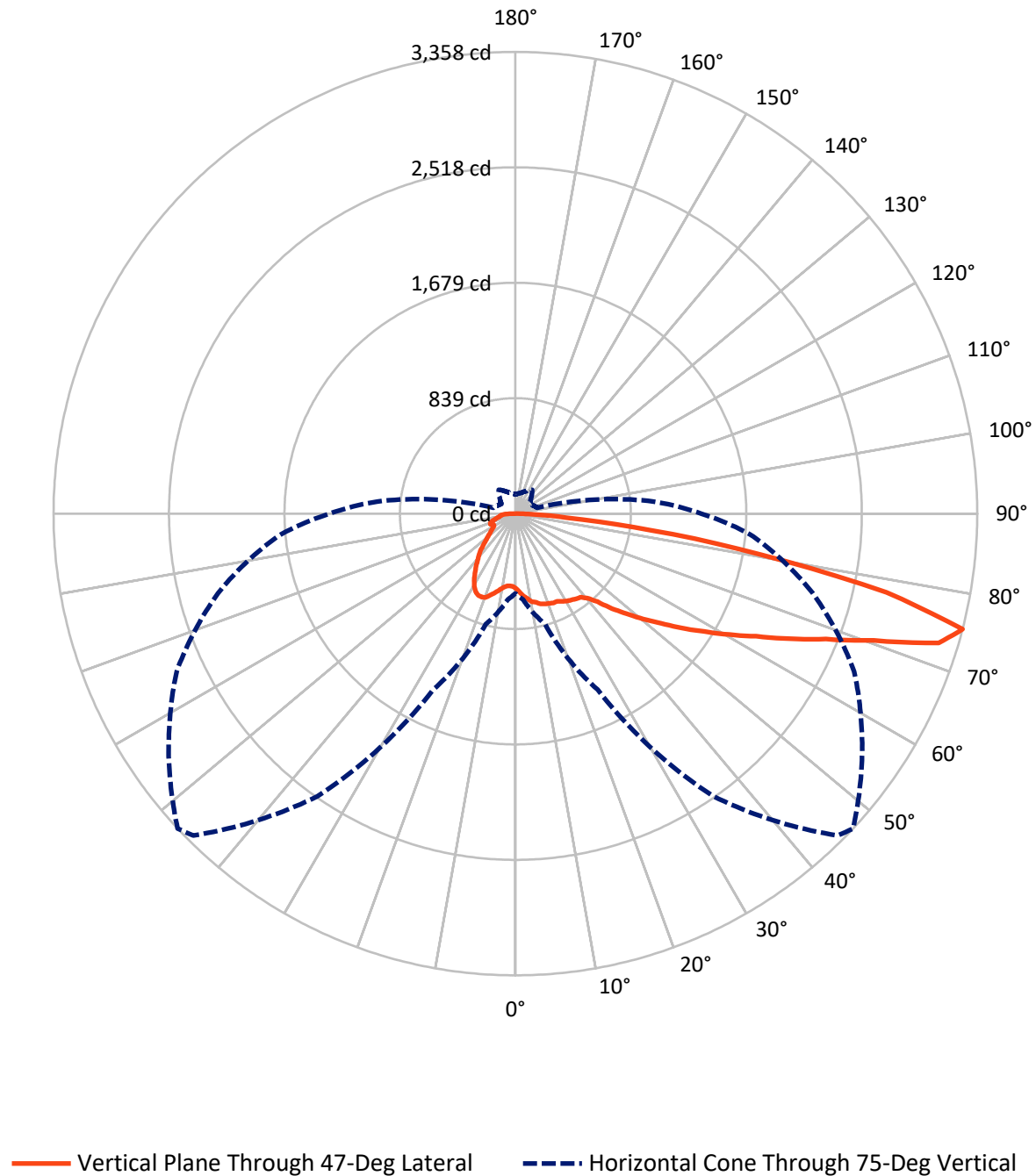


Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.3	0.0	1227.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3904.7	0.0	3904.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	5132.0	0.0	5132.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.1
10°-20°	182.9	3.6
20°-30°	313.3	6.1
30°-40°	438.4	8.5
40°-50°	611.3	11.9
50°-60°	913.7	17.8
60°-70°	1317.3	25.7
70°-80°	1121.3	21.8
80°-90°	178.6	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°	5132.0	100.0
0°-180°	5132.0	100.0



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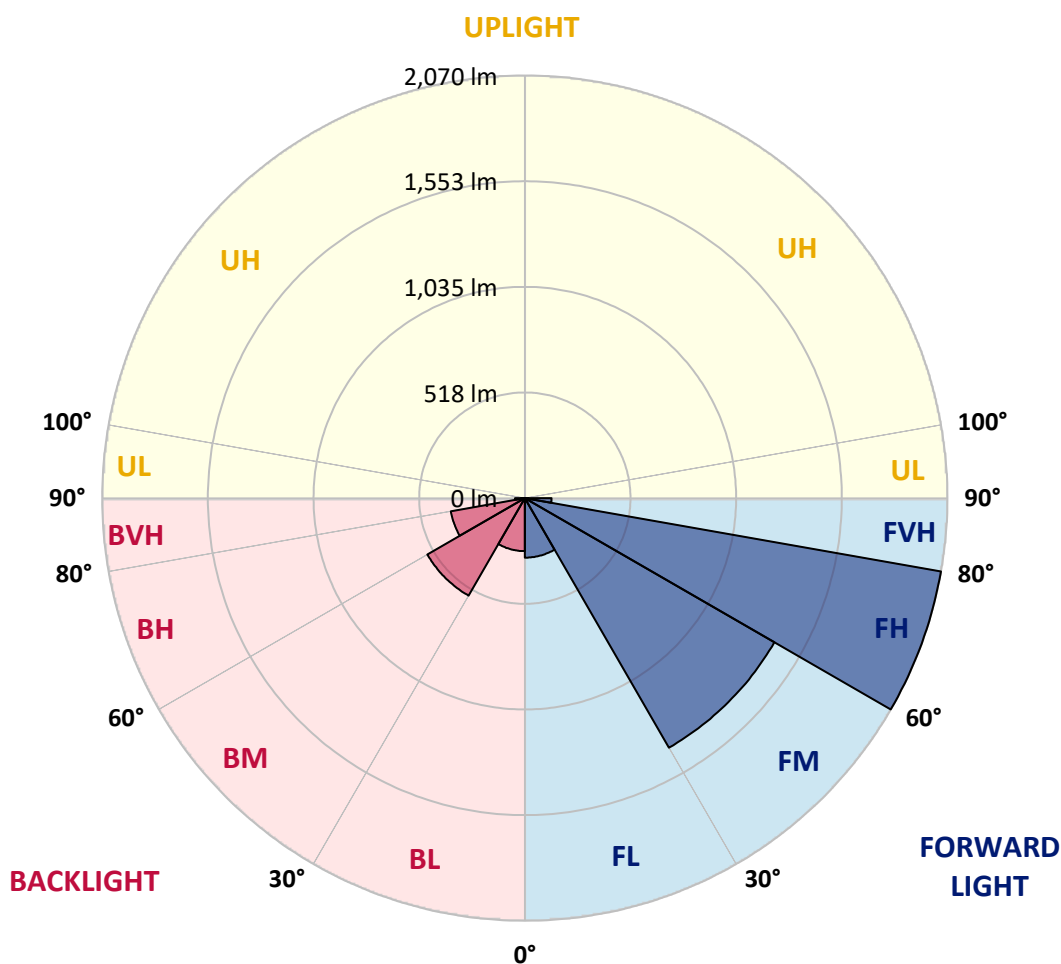
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.6	5.7			
FM	(30°-60°)	1411.8	27.5			
FH	(60°-80°)	2070.5	40.3			G2/5000
FVH	(80°-90°)	130.9	2.6			G2/225
BL	(0°-30°)	259.8	5.1	B1/500		
BM	(30°-60°)	551.6	10.7	B1/1000		
BH	(60°-80°)	368.2	7.2	B1/500		G1/500
BVH	(80°-90°)	47.7	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°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	584.2	586.1	586.1	582.4	578.6	571.1	571.1	563.6	559.9	550.5	546.8
5°	638.5	632.9	627.3	625.4	616.1	603.0	601.1	593.6	573.0	563.6	550.5
7.5°	677.9	676.0	674.1	666.6	649.8	629.2	623.6	612.3	591.7	573.0	558.0
10°	709.7	717.2	709.7	692.8	676.0	653.5	651.6	631.0	612.3	589.9	571.1
12.5°	745.3	747.1	734.0	713.4	687.2	668.5	661.0	653.5	632.9	614.2	586.1
15°	769.6	765.9	756.5	728.4	698.5	679.7	681.6	672.2	649.8	636.7	606.7
17.5°	769.6	769.6	754.6	734.0	707.8	691.0	691.0	685.4	670.4	651.6	631.0
20°	754.6	754.6	745.3	734.0	704.1	700.3	696.6	692.8	692.8	676.0	646.0
22.5°	735.9	732.2	735.9	717.2	696.6	700.3	705.9	704.1	698.5	683.5	662.9
25°	717.2	719.1	722.8	709.7	691.0	707.8	705.9	715.3	711.6	700.3	683.5
27.5°	715.3	719.1	720.9	707.8	700.3	715.3	722.8	732.2	734.0	722.8	702.2
30°	743.4	741.5	739.7	722.8	717.2	730.3	737.8	750.9	762.1	737.8	720.9
32.5°	816.4	805.2	794.0	749.0	732.2	741.5	749.0	767.7	769.6	756.5	732.2
35°	932.5	925.0	887.6	808.9	762.1	752.8	760.3	773.4	777.1	767.7	749.0
37.5°	1065.5	1061.7	1009.3	913.8	823.9	779.0	771.5	790.2	805.2	784.6	758.4
40°	1196.6	1181.6	1144.1	1050.5	902.6	818.3	808.9	818.3	823.9	808.9	792.1
42.5°	1314.5	1297.7	1288.3	1194.7	1005.6	883.8	876.3	853.9	870.7	852.0	829.5
45°	1413.8	1410.0	1406.3	1325.8	1123.5	990.6	985.0	926.9	945.6	930.7	898.8
47.5°	1484.9	1501.8	1496.2	1451.2	1258.3	1104.8	1087.9	1013.0	1041.1	1026.2	994.3
50°	1569.2	1578.6	1572.9	1543.0	1383.8	1235.9	1204.0	1127.3	1159.1	1157.2	1140.4
52.5°	1644.1	1672.2	1640.3	1638.5	1563.6	1378.2	1323.9	1250.9	1303.3	1323.9	1322.0
55°	1732.1	1754.6	1745.2	1741.5	1724.6	1516.8	1468.1	1380.1	1468.1	1498.0	1524.2
57.5°	1807.0	1805.1	1840.7	1883.8	1904.4	1675.9	1617.9	1514.9	1647.8	1681.5	1754.6
60°	1840.7	1872.5	1932.5	2041.1	2099.1	1846.3	1786.4	1704.0	1829.5	1855.7	1990.5
62.5°	1863.2	1891.3	2007.4	2190.9	2224.6	2020.5	1964.3	1881.9	2028.0	2046.7	2247.0
65°	1801.4	1827.6	2057.9	2247.0	2366.9	2207.7	2194.6	2108.5	2226.5	2237.7	2516.7
67.5°	1730.2	1758.3	2014.9	2318.2	2556.0	2456.8	2436.2	2333.2	2423.1	2410.0	2722.7
70°	1604.8	1642.2	1904.4	2380.0	2765.7	2805.1	2763.9	2617.8	2627.2	2503.6	2732.0
72.5°	1222.8	1247.1	1490.5	2134.7	2863.1	3288.2	3217.0	2924.9	2818.2	2522.3	2411.8
75°	580.5	625.4	831.4	1411.9	2509.2	3310.7	3357.5	3076.6	2717.1	2237.7	1709.6
77.5°	168.5	168.5	252.8	599.2	1572.9	2668.4	2756.4	2612.2	2241.4	1657.2	898.8
80°	91.8	97.4	133.0	211.6	691.0	1683.4	1810.7	1732.1	1320.1	655.4	232.2
82.5°	52.4	54.3	88.0	127.3	314.6	915.7	990.6	898.8	501.8	198.5	108.6
85°	30.0	31.8	50.6	84.3	187.3	337.1	367.0	318.3	202.2	133.0	54.3
87.5°	15.0	15.0	24.3	39.3	95.5	95.5	93.6	114.2	121.7	80.5	24.3
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°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	544.9	543.0	543.0	535.5	533.7	528.1	528.1	524.3	522.4	528.1	528.1
5°	546.8	537.4	535.5	528.1	529.9	526.2	533.7	529.9	528.1	528.1	526.2
7.5°	550.5	541.2	533.7	528.1	526.2	531.8	541.2	541.2	552.4	546.8	546.8
10°	559.9	554.3	544.9	541.2	541.2	546.8	558.0	565.5	574.9	574.9	569.3
12.5°	582.4	573.0	561.8	556.1	563.6	569.3	580.5	588.0	599.2	603.0	599.2
15°	599.2	589.9	586.1	582.4	588.0	595.5	604.8	612.3	625.4	629.2	627.3
17.5°	621.7	610.4	608.6	610.4	614.2	619.8	625.4	631.0	640.4	640.4	640.4
20°	632.9	629.2	627.3	632.9	640.4	647.9	644.2	640.4	638.5	642.3	640.4
22.5°	653.5	649.8	651.6	657.3	657.3	653.5	647.9	634.8	631.0	634.8	631.0
25°	672.2	668.5	668.5	664.8	662.9	649.8	638.5	627.3	614.2	619.8	617.9
27.5°	691.0	689.1	689.1	674.1	655.4	632.9	617.9	604.8	597.3	606.7	601.1
30°	713.4	715.3	705.9	670.4	625.4	601.1	584.2	582.4	580.5	586.1	584.2
32.5°	734.0	735.9	720.9	664.8	603.0	556.1	539.3	541.2	550.5	559.9	569.3
35°	745.3	754.6	735.9	646.0	558.0	505.6	486.9	503.7	520.6	533.7	543.0
37.5°	765.9	790.2	758.4	625.4	518.7	460.6	447.5	453.2	473.8	494.4	503.7
40°	795.8	823.9	764.0	586.1	466.3	415.7	408.2	410.1	417.6	430.7	440.0
42.5°	848.3	878.2	769.6	535.5	413.8	387.6	367.0	361.4	355.8	355.8	353.9
45°	925.0	953.1	762.1	471.9	361.4	342.7	327.7	314.6	299.6	275.3	279.0
47.5°	1037.4	1059.9	767.7	415.7	312.7	297.7	286.5	271.5	249.0	222.8	221.0
50°	1207.8	1174.1	760.3	357.7	277.1	264.0	254.7	234.1	207.9	189.1	187.3
52.5°	1406.3	1338.9	752.8	309.0	247.2	235.9	228.5	206.0	181.6	172.3	170.4
55°	1646.0	1548.6	764.0	265.9	224.7	215.3	207.9	187.3	168.5	161.0	159.2
57.5°	1928.7	1775.2	825.8	232.2	200.4	196.6	194.7	177.9	161.0	155.4	153.5
60°	2194.6	1992.4	867.0	207.9	177.9	181.6	185.4	177.9	159.2	155.4	155.4
62.5°	2417.5	2172.1	801.4	187.3	166.7	177.9	194.7	189.1	181.6	185.4	181.6
65°	2614.1	2233.9	599.2	176.0	161.0	187.3	215.3	213.5	196.6	200.4	198.5
67.5°	2647.8	2159.0	391.4	166.7	157.3	206.0	241.6	219.1	185.4	185.4	179.8
70°	2507.3	1958.7	262.2	157.3	155.4	206.0	247.2	206.0	174.1	174.1	166.7
72.5°	2057.9	1565.4	202.2	147.9	142.3	183.5	234.1	194.7	162.9	159.2	146.1
75°	1352.0	1009.3	164.8	140.4	123.6	161.0	211.6	179.8	155.4	144.2	138.6
77.5°	662.9	453.2	138.6	123.6	106.7	140.4	192.9	170.4	146.1	134.8	131.1
80°	181.6	162.9	116.1	108.6	89.9	121.7	181.6	162.9	136.7	125.5	119.8
82.5°	103.0	101.1	93.6	88.0	74.9	121.7	183.5	162.9	129.2	127.3	108.6
85°	56.2	59.9	67.4	65.5	58.0	108.6	174.1	142.3	104.9	88.0	88.0
87.5°	22.5	28.1	33.7	37.5	39.3	80.5	131.1	108.6	80.5	67.4	67.4
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)