

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: P675697

Luminaire Tested: **CCW-SA-2E-735-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675697
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-735-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL4 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

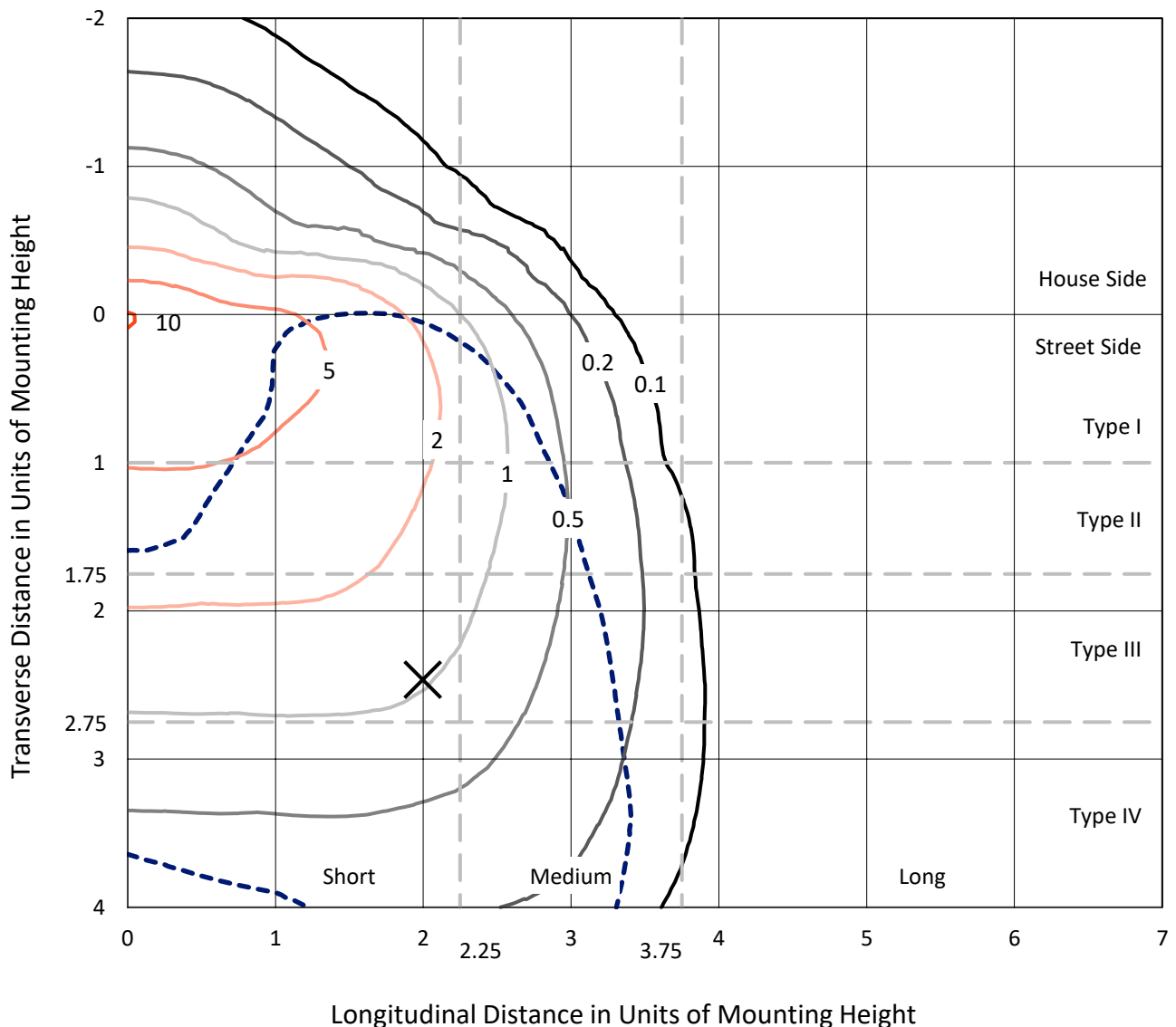
Lumens per Lamp: N/A
Luminaire Lumens: 13214.9 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

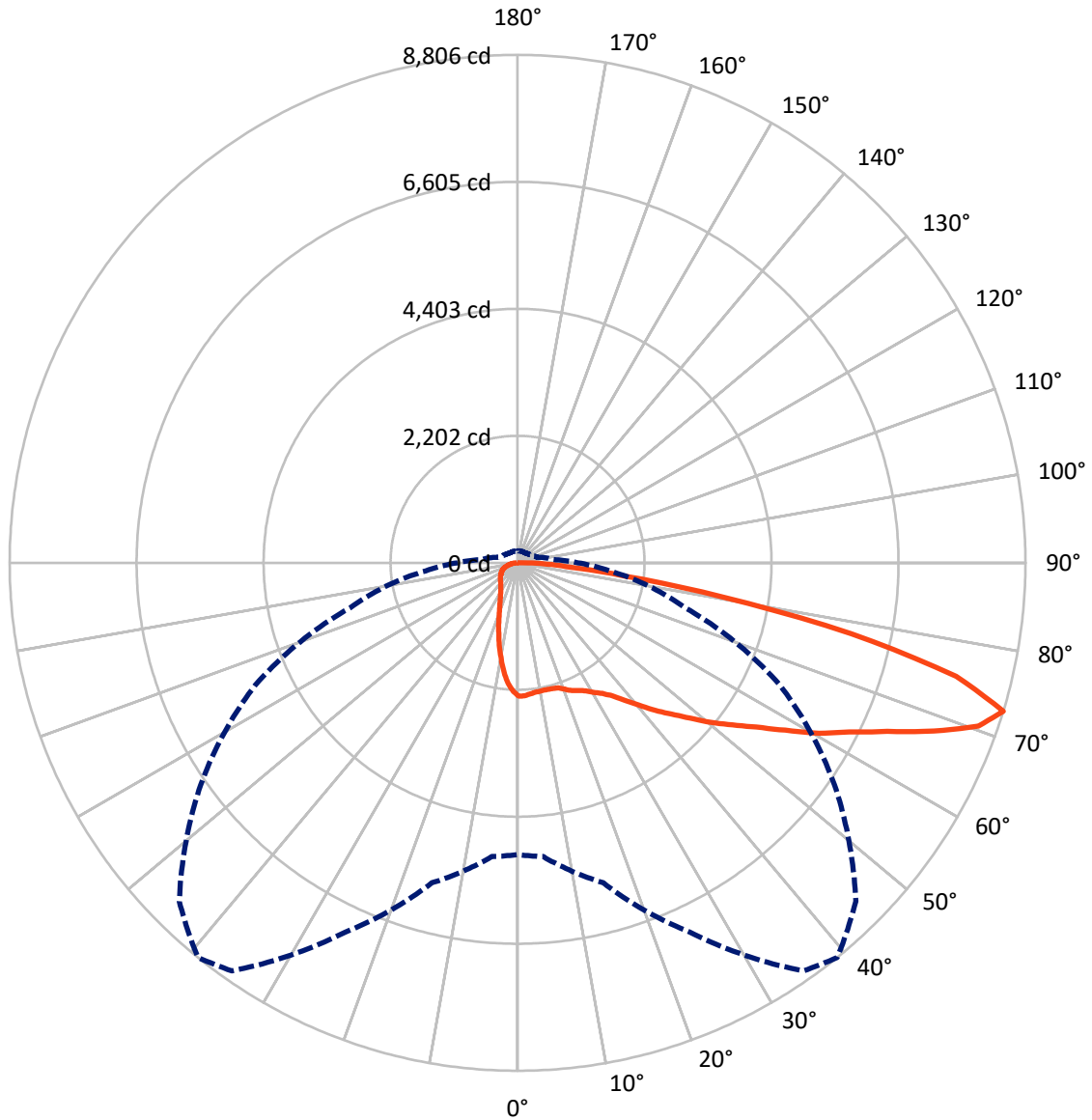
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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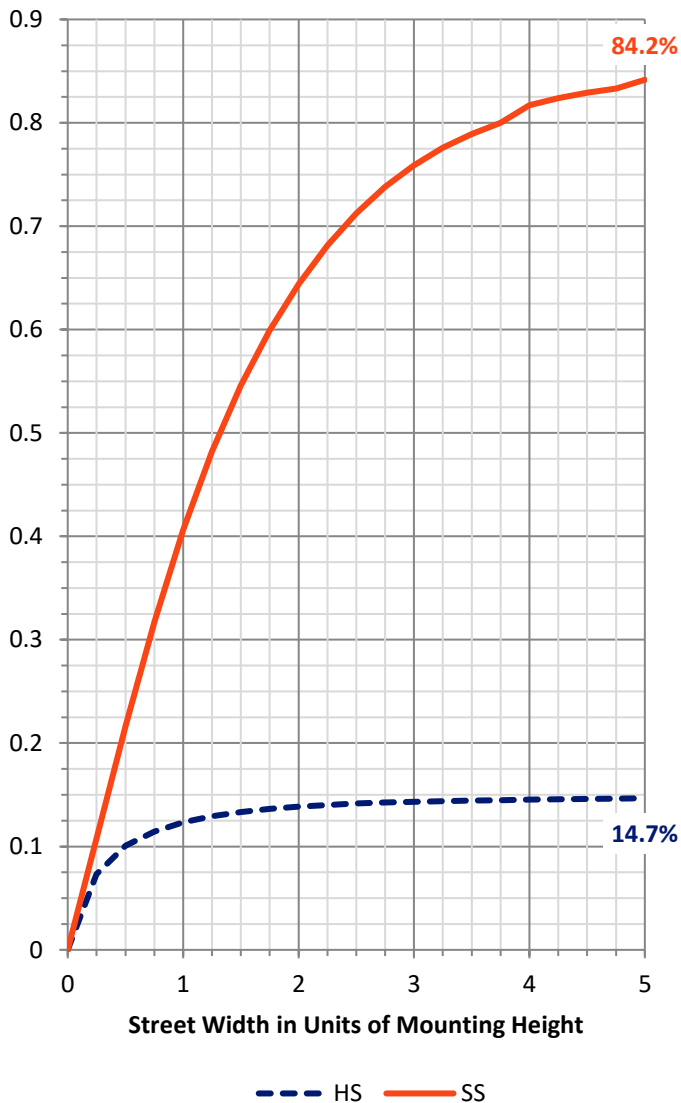
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1964.0	0.0	1964.0
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	11250.9	0.0	11250.9
	% Fixture	85.1	0.0	85.1
Total	Lumens	13214.9	0.0	13214.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	1.5
10°-20°	521.7	3.9
20°-30°	794.8	6.0
30°-40°	1162.6	8.8
40°-50°	1780.0	13.5
50°-60°	2610.6	19.8
60°-70°	3329.5	25.2
70°-80°	2405.6	18.2
80°-90°	405.8	3.1
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°	13214.9	100.0
0°-180°	13214.9	100.0

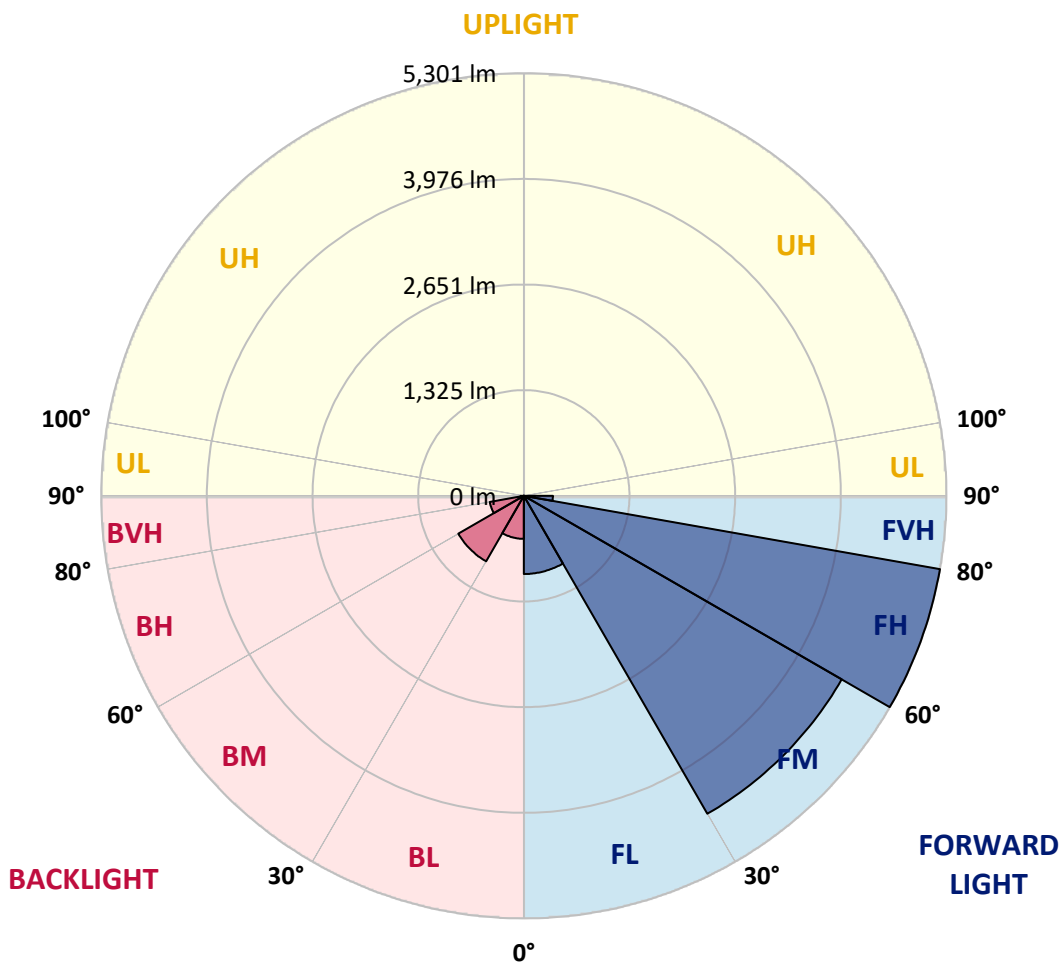


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	980.7	7.4			
FM (30°-60°)	4604.4	34.8			
FH (60°-80°)	5301.1	40.1			G3/7500
FVH (80°-90°)	364.7	2.8			G3/500
BL (0°-30°)	540.1	4.1	B2/1000		
BM (30°-60°)	948.8	7.2	B1/1000		
BH (60°-80°)	434.0	3.3	B1/500		G1/500
BVH (80°-90°)	41.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2
2.5°	2347.9	2352.9	2343.0	2333.1	2328.1	2308.2	2328.1	2318.2	2308.2	2308.2	2308.2
5°	2318.2	2323.1	2323.1	2313.2	2318.2	2283.4	2278.5	2283.4	2268.5	2258.6	2253.6
7.5°	2273.5	2283.4	2303.3	2298.3	2278.5	2263.6	2268.5	2263.6	2238.7	2223.9	2184.1
10°	2238.7	2248.7	2258.6	2268.5	2263.6	2258.6	2253.6	2233.8	2228.8	2194.1	2154.4
12.5°	2204.0	2204.0	2209.0	2248.7	2253.6	2253.6	2223.9	2223.9	2209.0	2204.0	2144.4
15°	2169.2	2184.1	2223.9	2233.8	2253.6	2263.6	2248.7	2248.7	2223.9	2189.1	2144.4
17.5°	2179.2	2204.0	2243.7	2268.5	2278.5	2278.5	2298.3	2283.4	2248.7	2228.8	2184.1
20°	2228.8	2233.8	2283.4	2328.1	2338.0	2338.0	2318.2	2303.3	2278.5	2243.7	2184.1
22.5°	2258.6	2293.3	2352.9	2377.7	2407.5	2407.5	2382.7	2347.9	2313.2	2278.5	2213.9
25°	2387.7	2392.6	2417.4	2457.2	2472.0	2452.2	2427.4	2387.7	2343.0	2308.2	2248.7
27.5°	2477.0	2501.8	2531.6	2551.5	2526.7	2511.8	2491.9	2447.2	2412.5	2382.7	2298.3
30°	2640.8	2611.0	2630.9	2640.8	2596.1	2606.1	2551.5	2511.8	2472.0	2472.0	2377.7
32.5°	2740.1	2764.9	2745.1	2740.1	2705.4	2700.4	2665.6	2621.0	2596.1	2625.9	2496.9
35°	2913.8	2898.9	2898.9	2894.0	2854.3	2829.5	2829.5	2750.0	2774.8	2839.4	2680.5
37.5°	3003.2	2998.2	3028.0	3052.8	3013.1	3028.0	3013.1	2978.4	2988.3	3102.5	2908.9
40°	3092.5	3127.3	3186.9	3196.8	3221.6	3241.5	3231.5	3226.6	3266.3	3449.9	3216.6
42.5°	3176.9	3206.7	3296.1	3375.5	3435.1	3499.6	3504.6	3504.6	3633.6	3896.7	3588.9
45°	3286.1	3311.0	3435.1	3593.9	3693.2	3737.9	3777.6	3822.2	3996.0	4308.7	3986.1
47.5°	3435.1	3454.9	3603.8	3802.4	3996.0	4020.8	4100.2	4149.9	4413.0	4730.6	4393.1
50°	3648.5	3633.6	3752.7	4040.7	4229.3	4348.4	4462.6	4551.9	4810.1	5157.5	4710.8
52.5°	3822.2	3822.2	3911.6	4293.8	4551.9	4666.1	4785.3	4909.3	5207.2	5584.4	4968.9
55°	4120.1	4090.3	4144.9	4542.0	4914.3	5023.5	5251.9	5356.1	5644.0	5902.1	5187.3
57.5°	4323.6	4338.5	4403.0	4869.6	5341.2	5475.2	5703.6	5778.0	6031.2	6234.7	5346.2
60°	4591.7	4542.0	4681.0	5232.0	5812.8	6001.4	6190.0	6234.7	6423.4	6448.2	5420.6
62.5°	4849.8	4839.9	4959.0	5594.4	6319.1	6453.1	6646.7	6696.4	6775.8	6616.9	5316.4
65°	5008.6	5073.2	5296.5	5991.5	6894.9	7043.8	7237.4	7138.2	7048.8	6468.0	4805.1
67.5°	5227.0	5256.8	5599.3	6423.4	7560.1	7783.5	7952.3	7560.1	6894.9	5857.5	4045.6
70°	5276.7	5356.1	5802.9	6875.1	8245.1	8473.5	8483.4	7416.1	6334.0	4765.4	2933.7
72.5°	5058.3	5112.9	5743.3	7063.7	8637.3	8806.1	8294.8	6706.3	5018.6	3003.2	1598.4
75°	4254.1	4408.0	4998.7	6482.9	7917.5	7853.0	7029.0	5117.8	3013.1	1330.3	675.1
77.5°	2963.5	2968.4	3584.0	4715.8	5927.0	5912.1	5013.6	2968.4	1290.6	536.1	397.1
80°	1315.4	1409.8	1782.1	2541.5	3598.9	3598.9	2923.8	1474.3	645.3	347.5	273.0
82.5°	774.4	804.2	953.1	1186.4	1752.3	1846.6	1399.8	982.9	441.8	218.4	168.8
85°	570.9	620.5	709.8	714.8	829.0	843.9	774.4	853.8	302.8	119.1	139.0
87.5°	426.9	456.7	565.9	471.6	441.8	417.0	476.5	873.7	114.2	59.6	44.7
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°	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2	2313.2
2.5°	2288.4	2288.4	2278.5	2258.6	2258.6	2218.9	2228.8	2238.7	2213.9	2213.9	2218.9
5°	2253.6	2233.8	2209.0	2179.2	2159.3	2104.7	2094.8	2060.0	2055.1	2045.1	2030.3
7.5°	2184.1	2154.4	2109.7	2065.0	2000.5	1950.8	1891.3	1841.6	1821.8	1806.9	1801.9
10°	2119.6	2114.6	2040.2	1950.8	1851.6	1757.2	1667.9	1603.4	1563.6	1538.8	1533.9
12.5°	2119.6	2079.9	1975.7	1851.6	1707.6	1568.6	1454.4	1365.1	1310.5	1270.8	1255.9
15°	2109.7	2070.0	1931.0	1742.3	1578.5	1389.9	1231.1	1136.7	1057.3	1017.6	1022.6
17.5°	2119.6	2060.0	1866.4	1662.9	1434.6	1231.1	1042.4	928.3	848.8	819.1	814.1
20°	2124.6	2050.1	1816.8	1553.7	1285.7	1057.3	878.6	769.4	709.8	690.0	690.0
22.5°	2114.6	2020.3	1742.3	1424.7	1156.6	913.4	764.4	670.1	630.4	605.6	615.5
25°	2159.3	2015.4	1672.9	1315.4	1007.7	794.2	680.1	610.6	585.7	570.9	575.8
27.5°	2169.2	2015.4	1618.2	1191.3	878.6	704.9	615.5	570.9	551.0	541.1	536.1
30°	2209.0	2025.3	1553.7	1067.2	774.4	635.4	565.9	541.1	526.2	521.2	521.2
32.5°	2318.2	2055.1	1484.2	963.0	685.0	575.8	531.1	511.3	501.4	496.4	501.4
35°	2447.2	2134.5	1409.8	853.8	620.5	536.1	501.4	486.5	481.5	481.5	481.5
37.5°	2645.8	2253.6	1345.2	764.4	565.9	496.4	471.6	466.6	461.6	466.6	466.6
40°	2874.1	2382.7	1285.7	695.0	526.2	471.6	446.8	446.8	441.8	446.8	451.7
42.5°	3137.2	2541.5	1226.1	625.5	491.4	451.7	431.9	426.9	421.9	431.9	436.8
45°	3499.6	2760.0	1186.4	585.7	466.6	431.9	412.0	412.0	407.0	407.0	417.0
47.5°	3802.4	2968.4	1186.4	546.0	451.7	417.0	397.1	397.1	387.2	392.2	392.2
50°	4055.5	3147.1	1211.2	536.1	431.9	402.1	387.2	377.3	372.3	372.3	372.3
52.5°	4224.3	3256.4	1231.1	526.2	421.9	382.2	372.3	367.3	357.4	352.4	357.4
55°	4393.1	3330.8	1236.0	526.2	407.0	362.4	352.4	352.4	342.5	337.5	337.5
57.5°	4457.6	3301.0	1166.5	516.3	397.1	347.5	337.5	332.6	327.6	322.7	322.7
60°	4427.8	3191.8	1012.6	491.4	387.2	337.5	317.7	317.7	317.7	307.8	312.7
62.5°	4224.3	2819.5	814.1	451.7	372.3	317.7	297.8	307.8	307.8	302.8	302.8
65°	3688.2	2328.1	660.2	417.0	352.4	302.8	282.9	297.8	302.8	297.8	292.9
67.5°	2948.6	1792.0	546.0	377.3	327.6	278.0	263.1	278.0	282.9	278.0	278.0
70°	2025.3	1156.6	441.8	337.5	292.9	253.2	238.3	248.2	248.2	253.2	253.2
72.5°	1047.4	625.5	362.4	287.9	253.2	228.3	213.4	213.4	208.5	208.5	208.5
75°	521.2	426.9	302.8	243.2	213.4	193.6	183.7	173.7	173.7	173.7	173.7
77.5°	362.4	327.6	248.2	193.6	173.7	158.8	158.8	144.0	144.0	144.0	144.0
80°	273.0	258.1	188.6	148.9	134.0	124.1	124.1	119.1	119.1	114.2	114.2
82.5°	193.6	208.5	144.0	109.2	99.3	94.3	94.3	89.4	89.4	79.4	79.4
85°	153.9	173.7	109.2	79.4	74.5	64.5	64.5	59.6	59.6	54.6	49.6
87.5°	44.7	94.3	44.7	29.8	29.8	29.8	29.8	24.8	24.8	19.9	19.9
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)