

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: P675441

Luminaire Tested: **CCW-SA-2D-760-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675441
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-760-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

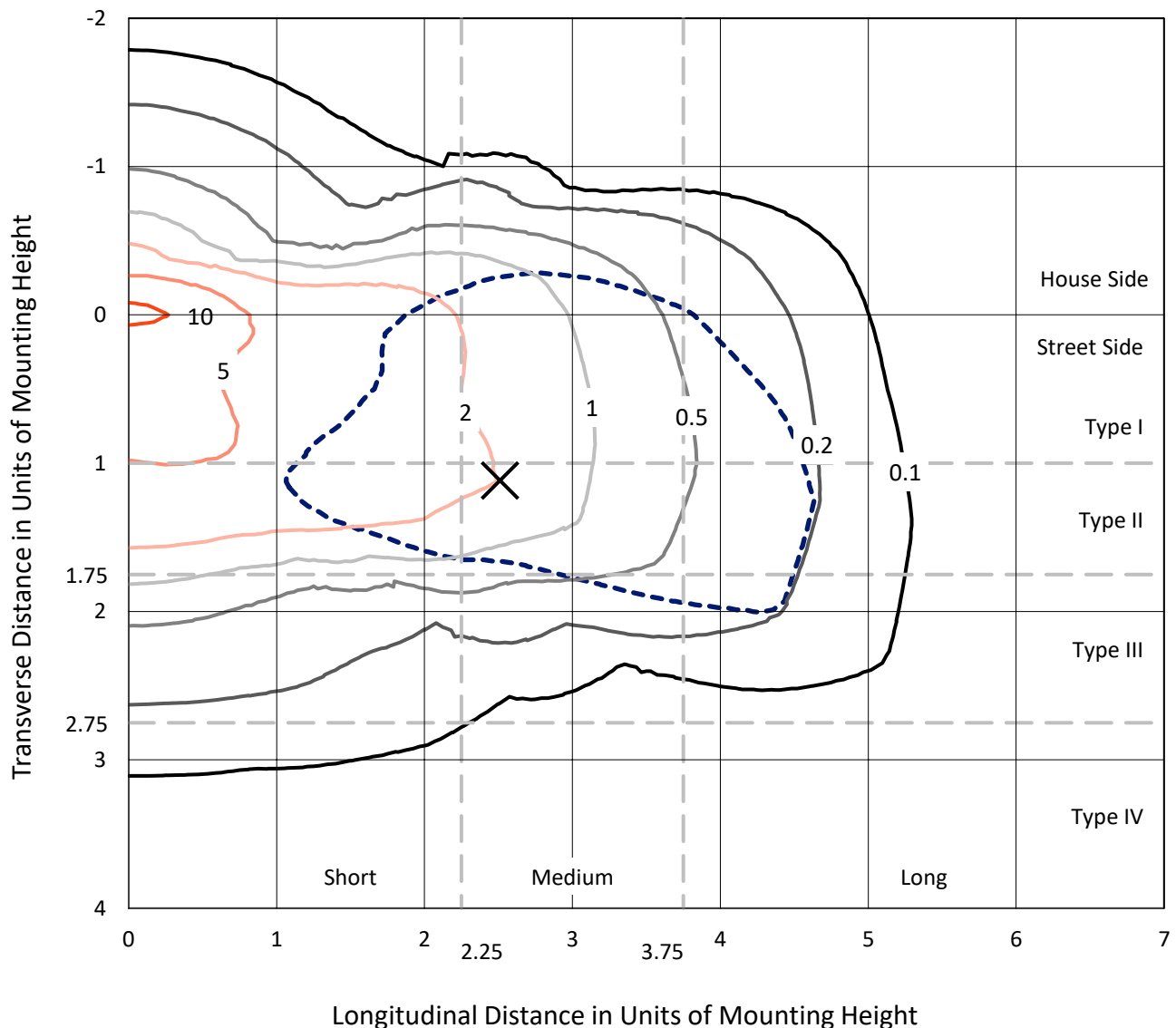
Lumens per Lamp: N/A
Luminaire Lumens: 11290.6 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
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

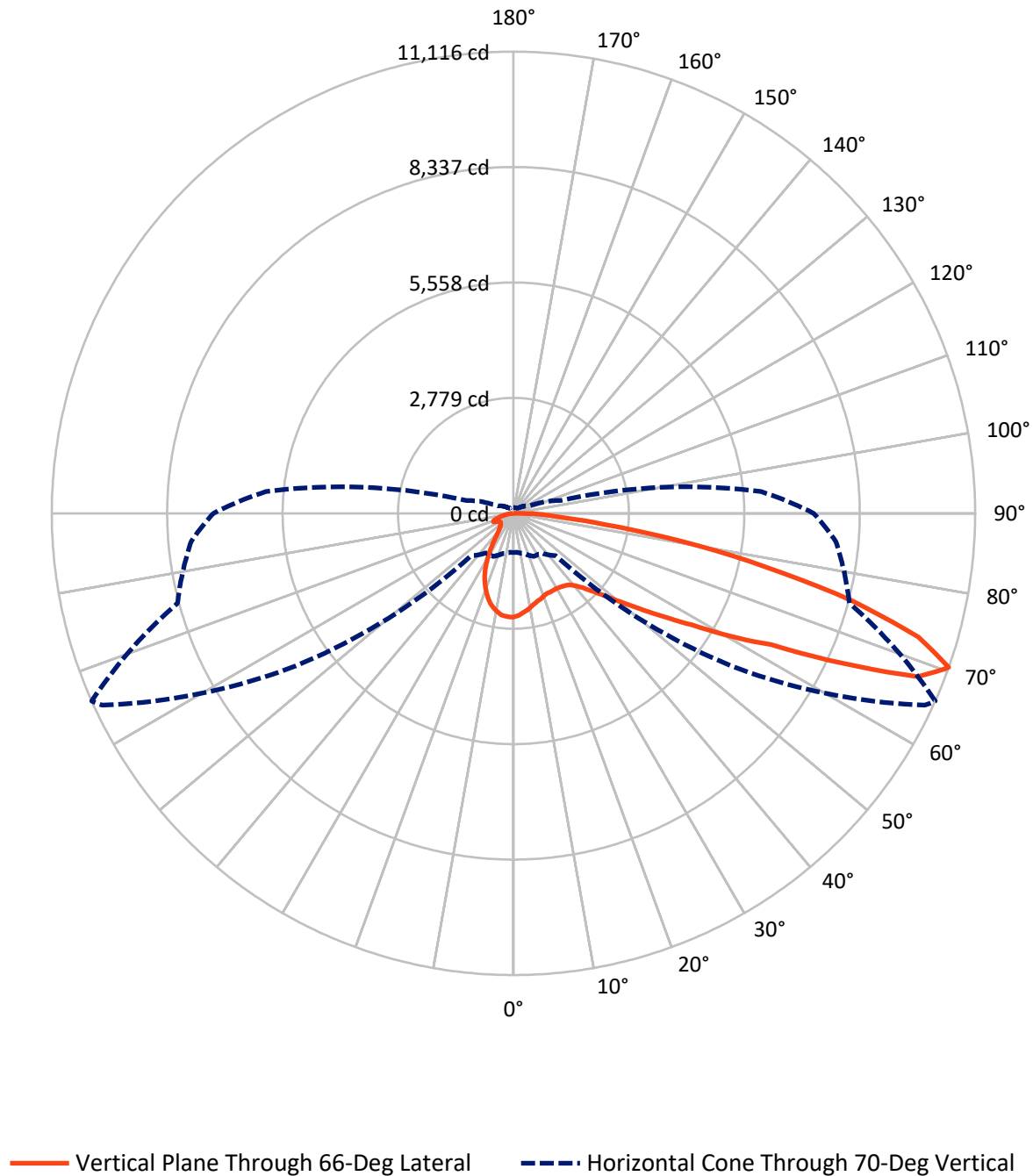
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2311.1	0.0	2311.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	8979.5	0.0	8979.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	11290.6	0.0	11290.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	2.0
10°-20°	543.0	4.8
20°-30°	745.7	6.6
30°-40°	999.8	8.9
40°-50°	1450.6	12.8
50°-60°	2204.9	19.5
60°-70°	2723.2	24.1
70°-80°	2025.1	17.9
80°-90°	377.7	3.3
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°	11290.6	100.0
0°-180°	11290.6	100.0

Coefficient of Utilization



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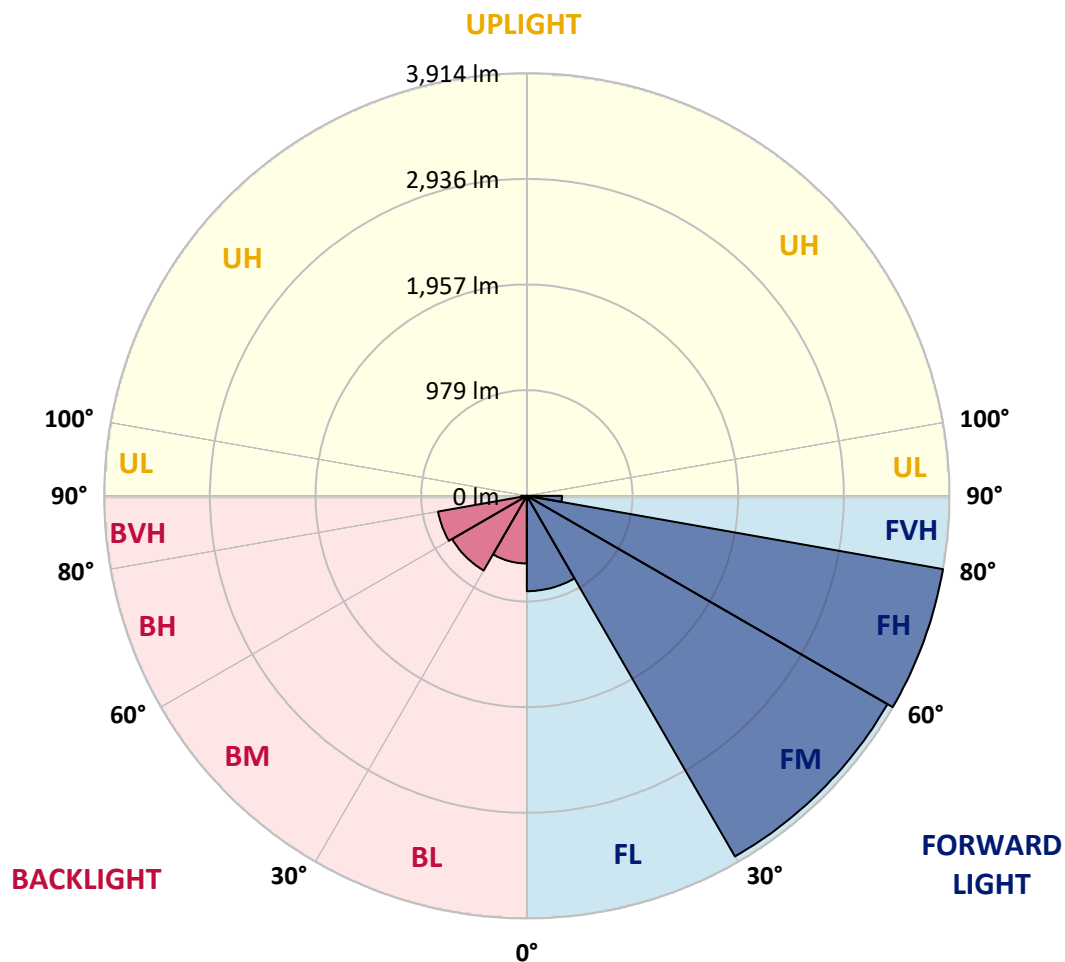
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	882.8	7.8			
FM	(30°-60°)	3857.0	34.2			
FH	(60°-80°)	3914.1	34.7			G2/5000
FVH	(80°-90°)	325.6	2.9			G3/500
BL	(0°-30°)	626.3	5.5	B2/1000		
BM	(30°-60°)	798.3	7.1	B1/1000		
BH	(60°-80°)	834.3	7.4	B2/1000		G2/1000
BVH	(80°-90°)	52.1	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4
2.5°	2372.7	2385.2	2389.4	2397.8	2418.8	2435.6	2460.8	2473.4	2460.8	2477.6	2477.6
5°	2208.9	2192.1	2234.1	2250.9	2276.1	2309.7	2368.5	2414.6	2402.0	2452.4	2494.4
7.5°	2070.3	2070.3	2082.9	2120.7	2150.1	2200.5	2263.5	2334.9	2355.9	2423.0	2486.0
10°	1944.3	1961.1	1961.1	2019.9	2036.7	2095.5	2200.5	2288.7	2292.9	2406.2	2494.4
12.5°	1877.1	1868.7	1910.7	1927.5	1977.9	2036.7	2120.7	2229.9	2234.1	2355.9	2477.6
15°	1822.5	1830.9	1851.9	1893.9	1940.1	1986.3	2066.1	2166.9	2187.9	2330.7	2469.2
17.5°	1826.7	1830.9	1830.9	1860.3	1898.1	1952.7	2028.3	2145.9	2158.5	2297.1	2456.6
20°	1851.9	1835.1	1847.7	1860.3	1885.5	1935.9	1998.9	2099.7	2112.3	2292.9	2486.0
22.5°	1906.5	1893.9	1889.7	1885.5	1881.3	1910.7	1990.5	2074.5	2087.1	2271.9	2498.6
25°	1994.7	1990.5	1961.1	1931.7	1910.7	1910.7	1973.7	2095.5	2091.3	2271.9	2507.0
27.5°	2099.7	2099.7	2095.5	2040.9	1977.9	1944.3	1986.3	2087.1	2082.9	2271.9	2528.0
30°	2242.5	2242.5	2229.9	2179.5	2066.1	1969.5	1994.7	2078.7	2091.3	2255.1	2511.2
32.5°	2397.8	2393.6	2406.2	2360.1	2242.5	2087.1	2045.1	2095.5	2108.1	2271.9	2515.4
35°	2511.2	2536.4	2578.4	2536.4	2418.8	2208.9	2116.5	2129.1	2137.5	2276.1	2532.2
37.5°	2641.4	2670.8	2729.6	2763.2	2637.2	2393.6	2229.9	2183.7	2183.7	2330.7	2536.4
40°	2830.4	2801.0	2901.8	2960.6	2910.2	2620.4	2406.2	2284.5	2288.7	2402.0	2591.0
42.5°	2969.0	2998.4	3103.3	3208.3	3145.3	2897.6	2599.4	2448.2	2448.2	2507.0	2675.0
45°	3124.3	3157.9	3304.9	3430.9	3477.1	3229.3	2864.0	2683.4	2675.0	2712.8	2826.2
47.5°	3296.5	3342.7	3510.7	3657.7	3779.4	3573.7	3204.1	2969.0	2964.8	2994.2	3078.1
50°	3493.9	3510.7	3649.3	3918.0	4161.6	4031.4	3619.9	3372.1	3351.1	3363.7	3477.1
52.5°	3552.7	3540.1	3699.7	3989.4	4434.5	4589.9	4186.8	3829.8	3821.4	3792.0	3939.0
55°	3338.5	3380.5	3535.9	3905.4	4657.1	5249.2	4808.3	4455.5	4380.0	4300.2	4476.5
57.5°	2910.2	2914.4	3090.7	3527.5	4484.9	5795.1	5862.3	5068.7	5072.9	4858.7	5060.3
60°	2263.5	2250.9	2389.4	2784.2	3993.6	5963.1	7013.0	6047.1	6005.1	5417.2	5602.0
62.5°	1633.6	1608.4	1637.8	1868.7	2985.8	5707.0	8142.6	7143.1	6966.8	5988.3	6131.1
65°	1343.8	1356.4	1369.0	1381.6	1675.6	4707.5	8491.2	8932.1	8696.9	6656.0	6714.8
67.5°	1112.8	1121.2	1175.8	1251.4	1243.0	2780.0	8088.0	10586.6	10498.5	7483.3	7218.7
70°	944.9	940.7	1003.7	1142.2	1163.2	1444.6	6404.1	10926.8	11115.8	8373.6	7789.9
72.5°	755.9	764.3	818.9	1003.7	1142.2	1217.8	3687.1	10196.1	10191.9	9058.1	7483.3
75°	541.7	541.7	617.3	831.5	1104.4	1205.2	2040.9	8277.0	8432.4	8512.1	6492.2
77.5°	356.9	373.7	432.5	621.5	1037.2	1180.0	1293.4	6017.7	6210.9	6366.3	4967.9
80°	243.6	252.0	289.8	432.5	877.7	1188.4	1058.2	4048.2	4123.8	3514.9	2015.7
82.5°	147.0	151.2	193.2	302.4	629.9	1129.6	995.3	2234.1	2187.9	1062.4	579.5
85°	79.8	84.0	121.8	201.6	415.7	986.9	978.5	1096.0	1020.4	390.5	243.6
87.5°	29.4	29.4	54.6	100.8	239.4	676.1	852.5	650.9	608.9	197.4	113.4
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°	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4	2494.4
2.5°	2498.6	2498.6	2498.6	2498.6	2494.4	2477.6	2490.2	2486.0	2460.8	2465.0	2448.2
5°	2490.2	2511.2	2498.6	2481.8	2460.8	2410.4	2393.6	2381.0	2347.5	2334.9	2347.5
7.5°	2511.2	2494.4	2486.0	2456.6	2372.7	2326.5	2267.7	2196.3	2145.9	2133.3	2145.9
10°	2507.0	2507.0	2469.2	2385.2	2305.5	2171.1	2095.5	1969.5	1898.1	1877.1	1881.3
12.5°	2490.2	2502.8	2444.0	2309.7	2158.5	1994.7	1856.1	1721.7	1595.8	1545.4	1537.0
15°	2507.0	2494.4	2389.4	2217.3	2007.3	1780.5	1579.0	1381.6	1264.0	1188.4	1171.6
17.5°	2481.8	2469.2	2318.1	2091.3	1809.9	1520.2	1268.2	1054.0	936.5	907.1	907.1
20°	2511.2	2431.4	2234.1	1940.1	1604.2	1234.6	949.1	789.5	760.1	760.1	768.5
22.5°	2507.0	2423.0	2162.7	1793.1	1356.4	932.3	705.5	659.3	663.5	697.1	692.9
25°	2481.8	2406.2	2061.9	1629.4	1096.0	701.3	583.7	571.1	600.5	638.3	634.1
27.5°	2477.6	2360.1	1969.5	1436.2	835.7	554.3	508.1	508.1	537.5	571.1	566.9
30°	2452.4	2322.3	1856.1	1217.8	629.9	482.9	466.1	466.1	478.7	495.5	495.5
32.5°	2448.2	2271.9	1730.1	991.1	503.9	436.7	428.3	432.5	432.5	440.9	436.7
35°	2414.6	2204.7	1600.0	768.5	436.7	411.5	403.1	398.9	398.9	394.7	394.7
37.5°	2402.0	2162.7	1465.6	596.3	407.3	390.5	382.1	369.5	365.3	365.3	361.1
40°	2414.6	2120.7	1335.4	482.9	382.1	373.7	361.1	344.3	340.1	340.1	340.1
42.5°	2460.8	2116.5	1201.0	419.9	369.5	356.9	340.1	323.4	319.2	323.4	319.2
45°	2565.8	2150.1	1070.8	390.5	352.7	340.1	319.2	306.6	302.4	306.6	306.6
47.5°	2738.0	2242.5	953.3	373.7	340.1	323.4	302.4	289.8	289.8	289.8	289.8
50°	3023.6	2418.8	839.9	361.1	331.8	310.8	289.8	273.0	268.8	268.8	273.0
52.5°	3451.9	2721.2	747.5	352.7	319.2	294.0	273.0	260.4	252.0	247.8	252.0
55°	3968.4	3162.1	718.1	344.3	302.4	281.4	260.4	243.6	235.2	235.2	231.0
57.5°	4522.7	3649.3	768.5	336.0	289.8	264.6	243.6	226.8	218.4	214.2	214.2
60°	5123.2	4224.6	953.3	331.8	277.2	247.8	226.8	214.2	201.6	197.4	197.4
62.5°	5669.2	4745.3	1285.0	327.6	268.8	231.0	210.0	193.2	184.8	180.6	180.6
65°	6290.7	5324.8	1608.4	344.3	264.6	218.4	193.2	176.4	168.0	163.8	163.8
67.5°	6832.4	5828.7	1797.3	386.3	277.2	201.6	172.2	159.6	155.4	151.2	151.2
70°	7227.1	5984.1	1205.2	424.1	298.2	189.0	155.4	147.0	138.6	138.6	138.6
72.5°	6698.0	5341.6	713.9	398.9	281.4	176.4	138.6	130.2	126.0	126.0	121.8
75°	5728.0	4547.9	550.1	323.4	226.8	151.2	121.8	113.4	109.2	109.2	105.0
77.5°	4228.8	3258.7	407.3	256.2	176.4	121.8	105.0	100.8	96.6	92.4	92.4
80°	1654.6	1427.8	277.2	189.0	130.2	96.6	88.2	84.0	79.8	75.6	75.6
82.5°	512.3	432.5	159.6	126.0	92.4	75.6	71.4	67.2	63.0	58.8	58.8
85°	222.6	214.2	105.0	79.8	63.0	50.4	50.4	46.2	42.0	37.8	37.8
87.5°	109.2	105.0	58.8	37.8	33.6	25.2	25.2	21.0	16.8	16.8	16.8
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)