

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: STREETWORKS

Report Number: P476533

Luminaire Tested: **IFLD-S-SA6A-730-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476533
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-730-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

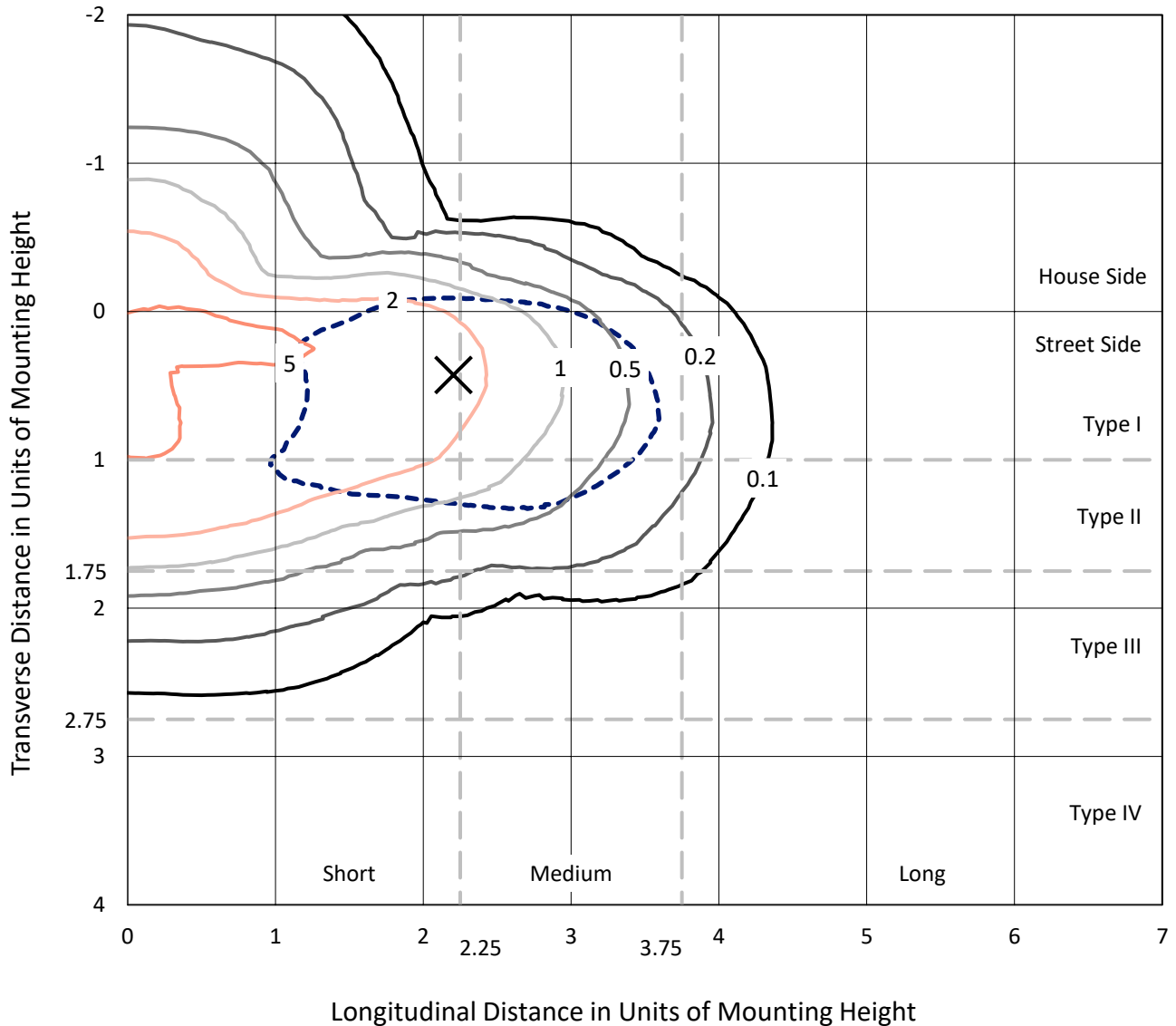
Lumens per Lamp: N/A
Luminaire Lumens: 24547.3 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 189.6
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

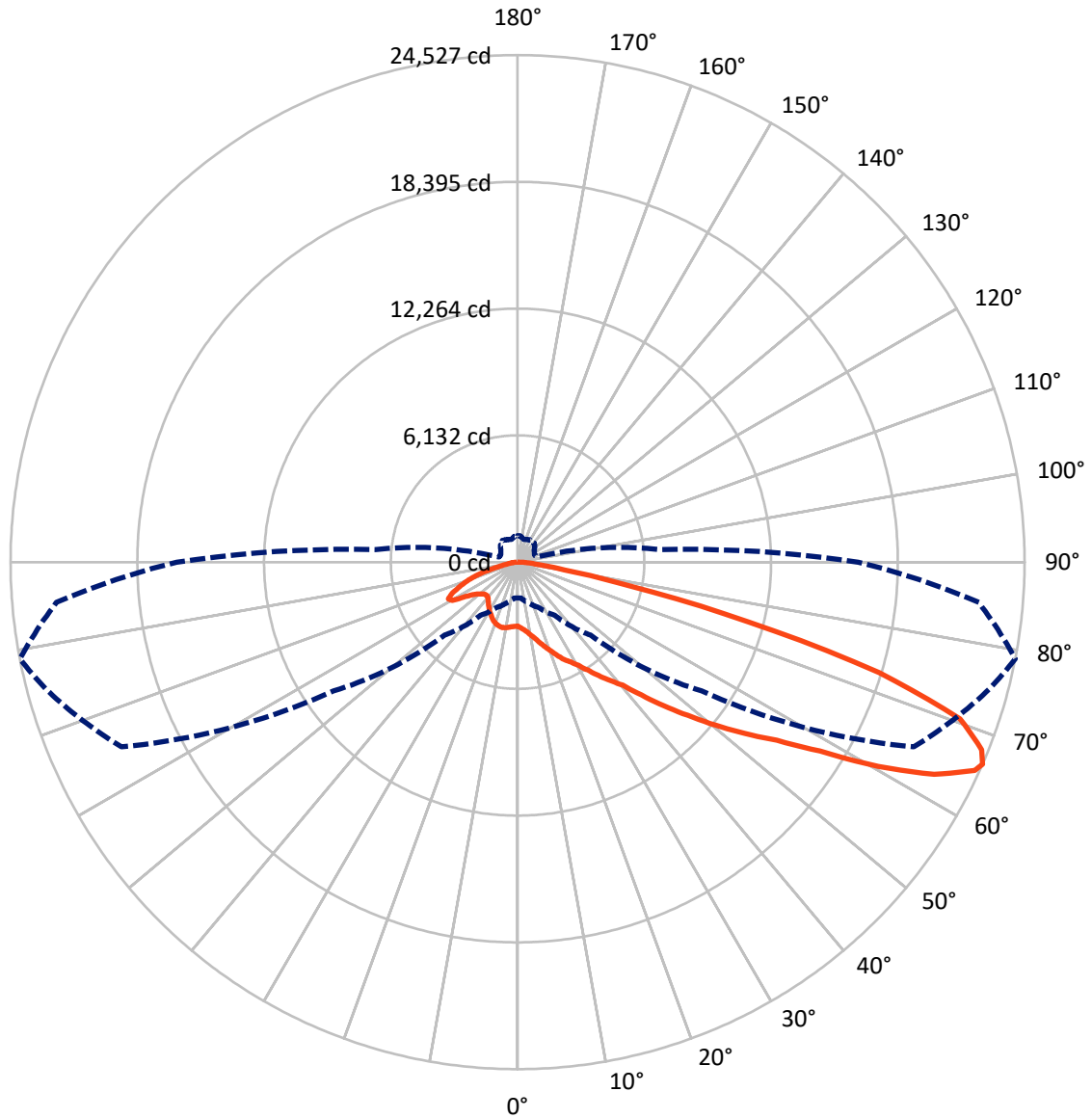
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4956.9	0.0	4956.9
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	19590.4	0.0	19590.4
	% Fixture	79.8	0.0	79.8
Total	Lumens	24547.3	0.0	24547.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.8	1.2
10°-20°	941.2	3.8
20°-30°	1615.5	6.6
30°-40°	2495.7	10.2
40°-50°	3997.5	16.3
50°-60°	5968.5	24.3
60°-70°	6132.6	25.0
70°-80°	2718.5	11.1
80°-90°	373.0	1.5
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°	24547.3	100.0
0°-180°	24547.3	100.0

Coefficient of Utilization



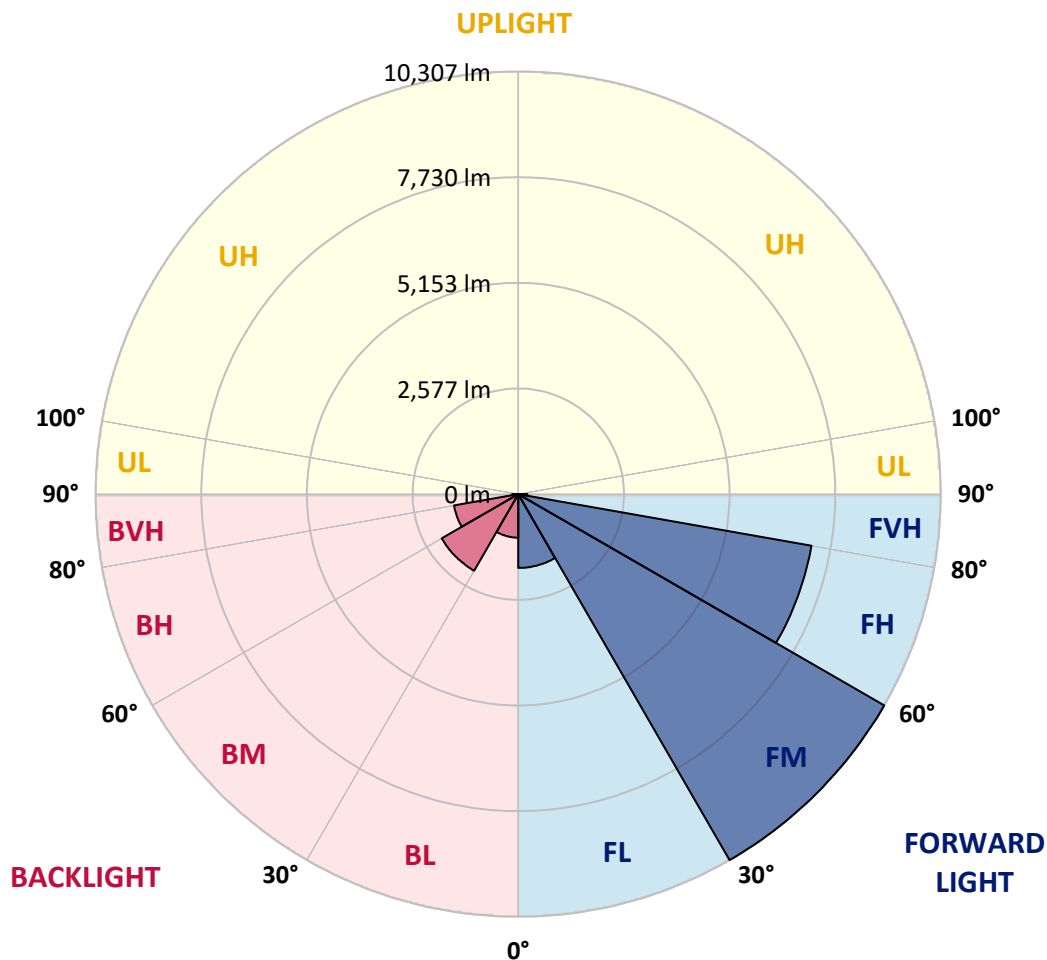
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1799.5	7.3			
FM (30°-60°)	10306.6	42.0			
FH (60°-80°)	7260.6	29.6			G3/7500
FVH (80°-90°)	223.7	0.9			G2/225
BL (0°-30°)	1062.0	4.3	B3/2500		
BM (30°-60°)	2155.1	8.8	B2/2500		
BH (60°-80°)	1590.6	6.5	B3/2500		G3/2500
BVH (80°-90°)	149.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7
2.5°	3296.8	3299.5	3299.5	3288.7	3291.4	3299.5	3269.8	3205.0	3205.0	3194.2	3175.3
5°	3499.3	3485.8	3466.9	3469.6	3458.8	3458.8	3426.4	3364.3	3310.3	3288.7	3232.0
7.5°	3526.3	3539.8	3537.1	3569.5	3585.7	3585.7	3601.9	3550.6	3469.6	3418.3	3361.6
10°	3580.3	3545.2	3542.5	3618.1	3642.4	3699.1	3763.9	3736.9	3669.4	3596.5	3520.9
12.5°	3612.7	3634.3	3634.3	3672.1	3728.8	3812.5	3925.9	3977.2	3871.9	3796.3	3680.2
15°	3661.3	3631.6	3718.0	3750.4	3858.4	3917.8	4079.8	4212.1	4141.9	4050.1	3866.5
17.5°	3682.9	3664.0	3712.6	3772.0	3955.6	4044.7	4241.8	4425.4	4366.0	4306.6	4117.6
20°	3793.6	3790.9	3812.5	3861.1	3993.4	4168.9	4414.6	4668.4	4690.0	4582.0	4325.5
22.5°	4063.6	4028.5	4028.5	4009.6	4066.3	4247.2	4579.3	4930.3	5027.5	4900.6	4560.4
25°	4312.0	4360.6	4330.9	4244.5	4222.9	4317.4	4698.1	5208.4	5338.0	5219.2	4879.0
27.5°	4630.6	4646.8	4698.1	4582.0	4433.5	4463.2	4827.7	5365.0	5632.3	5473.0	5059.9
30°	5089.6	5059.9	5049.1	4919.5	4725.1	4684.6	4976.2	5594.5	6018.4	5794.3	5273.2
32.5°	5400.1	5473.0	5470.3	5292.1	5057.2	4968.1	5159.8	5810.5	6431.5	6223.6	5667.4
35°	6015.7	6091.3	6031.9	5770.0	5494.6	5316.4	5424.4	6091.3	6904.0	6742.0	6002.2
37.5°	6801.4	6979.6	6852.7	6369.4	5980.6	5786.2	5791.6	6396.4	7387.3	7255.0	6361.3
40°	7344.1	7584.4	7408.9	6955.3	6542.2	6358.6	6285.7	6758.2	7965.1	7824.7	6922.9
42.5°	8016.4	8216.2	8124.4	7676.2	7192.9	7036.3	6890.5	7363.0	8848.1	8783.3	7643.8
45°	8750.8	8845.4	8815.7	8532.1	7994.8	7940.8	7619.5	8159.5	9887.6	9914.6	8545.6
47.5°	9434.0	9485.3	9542.0	9336.8	9002.0	9047.9	8459.2	9012.8	10897.4	11075.6	9550.1
50°	9609.5	9785.0	9917.3	10055.0	10127.9	10438.4	9385.4	10060.4	12058.4	12404.0	10667.9
52.5°	9431.3	9417.8	9820.1	10252.1	10981.1	11631.8	10646.3	11361.8	13084.4	13767.5	11691.2
55°	8621.2	8594.2	9242.3	9814.7	11237.6	12296.0	12447.2	13095.2	14323.7	15212.1	13076.3
57.5°	7203.7	7036.3	7743.7	8683.3	10681.4	12368.9	14256.2	15668.4	16230.0	17242.5	15190.5
60°	4841.2	4771.0	5448.7	6569.2	8672.5	11334.8	15339.0	18889.5	18916.5	20055.9	18471.0
62.5°	2980.9	2994.4	3429.1	4268.8	6072.4	8985.8	14871.9	21462.7	21468.1	22610.2	21171.1
65°	1949.4	1957.5	2308.5	2772.9	3793.6	6094.0	12298.7	21665.2	23242.0	24303.1	22407.7
66°	1736.1	1738.8	2041.2	2419.2	3142.9	4987.0	10862.3	21138.7	23641.6	24527.2	22391.5
67.5°	1463.4	1498.5	1741.5	2033.1	2451.6	3583.0	8618.5	19615.8	23436.4	24214.0	21883.9
70°	1144.8	1163.7	1355.4	1652.4	1838.7	2073.6	5122.0	15989.7	21451.9	22712.8	20037.0
72.5°	918.0	934.2	1080.0	1341.9	1493.1	1366.2	2789.1	11602.1	16945.5	18290.1	15760.2
75°	774.9	777.6	847.8	1055.7	1228.5	1026.0	1485.0	7446.7	10873.1	11499.5	9655.4
77.5°	626.4	637.2	685.8	804.6	988.2	807.3	885.6	4171.6	5459.5	5505.4	4463.2
80°	510.3	515.7	545.4	585.9	753.3	596.7	599.4	2035.8	2340.9	2286.9	1814.4
82.5°	402.3	407.7	442.8	434.7	553.5	426.6	372.6	980.1	1077.3	1055.7	834.3
85°	226.8	226.8	348.3	348.3	351.0	270.0	226.8	461.7	569.7	531.9	391.5
87.5°	72.9	75.6	105.3	110.7	175.5	121.5	110.7	172.8	270.0	237.6	140.4
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°	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7	3099.7
2.5°	3164.5	3121.3	3102.4	3040.3	3024.1	2983.6	2964.7	2940.4	2932.3	2897.1	2929.6
5°	3188.8	3175.3	3099.7	3021.4	2962.0	2935.0	2894.4	2840.4	2835.0	2786.4	2781.0
7.5°	3291.4	3245.5	3113.2	3029.5	2910.6	2843.1	2754.0	2727.0	2691.9	2675.7	2710.8
10°	3450.7	3334.6	3137.5	2926.9	2781.0	2700.0	2635.2	2616.3	2619.0	2608.2	2592.0
12.5°	3564.1	3453.4	3097.0	2840.4	2651.4	2573.1	2567.7	2586.6	2616.3	2602.8	2621.7
15°	3726.1	3518.2	3067.3	2697.3	2546.1	2524.5	2521.8	2578.5	2575.8	2575.8	2573.1
17.5°	3877.3	3583.0	2959.3	2573.1	2435.4	2451.6	2470.5	2467.8	2494.8	2505.6	2524.5
20°	4069.0	3658.6	2808.0	2448.9	2351.7	2346.3	2343.6	2346.3	2373.3	2389.5	2376.0
22.5°	4236.4	3674.8	2681.1	2330.1	2251.8	2230.2	2195.1	2230.2	2216.7	2222.1	2238.3
25°	4382.2	3677.5	2500.2	2241.0	2151.9	2103.3	2076.3	2073.6	2049.3	2046.6	2046.6
27.5°	4503.7	3585.7	2340.9	2116.8	2033.1	1987.2	1984.5	1954.8	1892.7	1852.2	1857.6
30°	4598.2	3515.5	2230.2	2008.8	1927.8	1919.7	1895.4	1827.9	1746.9	1695.6	1695.6
32.5°	4765.6	3375.1	2079.0	1898.1	1857.6	1846.8	1790.1	1730.7	1655.1	1606.5	1598.4
35°	4889.8	3245.5	1979.1	1803.6	1784.7	1763.1	1714.5	1649.7	1628.1	1617.3	1625.4
37.5°	5030.2	3099.7	1857.6	1722.6	1741.5	1701.0	1644.3	1614.6	1690.2	1671.3	1679.4
40°	5254.3	2997.1	1738.8	1674.0	1692.9	1647.0	1574.1	1563.3	1657.8	1590.3	1574.1
42.5°	5664.7	2994.4	1665.9	1601.1	1614.6	1579.5	1514.7	1509.3	1547.1	1466.1	1441.8
45°	6175.0	3088.9	1611.9	1547.1	1536.3	1530.9	1509.3	1485.0	1452.6	1347.3	1320.3
47.5°	6785.2	3242.8	1601.1	1466.1	1479.6	1525.5	1498.5	1436.4	1352.7	1285.2	1271.7
50°	7525.0	3561.4	1574.1	1406.7	1431.0	1503.9	1482.3	1395.9	1320.3	1277.1	1269.0
52.5°	8343.1	3963.7	1539.0	1314.9	1368.9	1485.0	1495.8	1414.8	1304.1	1266.3	1260.9
55°	9307.1	4557.7	1498.5	1215.0	1296.0	1466.1	1495.8	1360.8	1282.5	1282.5	1277.1
57.5°	11210.6	5626.9	1414.8	1123.2	1231.2	1431.0	1452.6	1363.5	1285.2	1285.2	1274.4
60°	14002.4	7295.5	1255.5	1053.0	1169.1	1382.4	1420.2	1323.0	1255.5	1271.7	1269.0
62.5°	16186.8	7803.1	1120.5	985.5	1107.0	1293.3	1377.0	1279.8	1220.4	1279.8	1285.2
65°	16653.9	7290.1	982.8	912.6	1020.6	1206.9	1314.9	1217.7	1169.1	1285.2	1290.6
66°	16486.5	6890.5	934.2	891.0	982.8	1163.7	1277.1	1196.1	1142.1	1279.8	1282.5
67.5°	15741.3	6291.1	880.2	845.1	931.5	1101.6	1233.9	1166.4	1098.9	1263.6	1239.3
70°	14121.2	5335.3	788.4	764.1	858.6	999.0	1134.0	1090.8	1031.4	1163.7	1120.5
72.5°	10875.8	4263.4	691.2	693.9	774.9	893.7	1034.1	1004.4	953.1	1020.6	993.6
75°	6623.2	2724.3	602.1	607.5	675.0	793.8	939.6	918.0	855.9	893.7	880.2
77.5°	2935.0	1350.0	507.6	518.4	572.4	699.3	818.1	783.0	718.2	726.3	720.9
80°	1139.4	639.9	413.1	426.6	461.7	558.9	677.7	645.3	588.6	577.8	572.4
82.5°	548.1	356.4	318.6	324.0	337.5	445.5	583.2	542.7	467.1	418.5	418.5
85°	275.4	221.4	224.1	205.2	224.1	302.4	394.2	329.4	272.7	243.0	248.4
87.5°	110.7	110.7	110.7	94.5	99.9	143.1	183.6	124.2	113.4	67.5	67.5
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)