

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: P476831

Luminaire Tested: **IFLD-S-SA3B-722-U-T2R**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476831  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-722-U-T2R  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

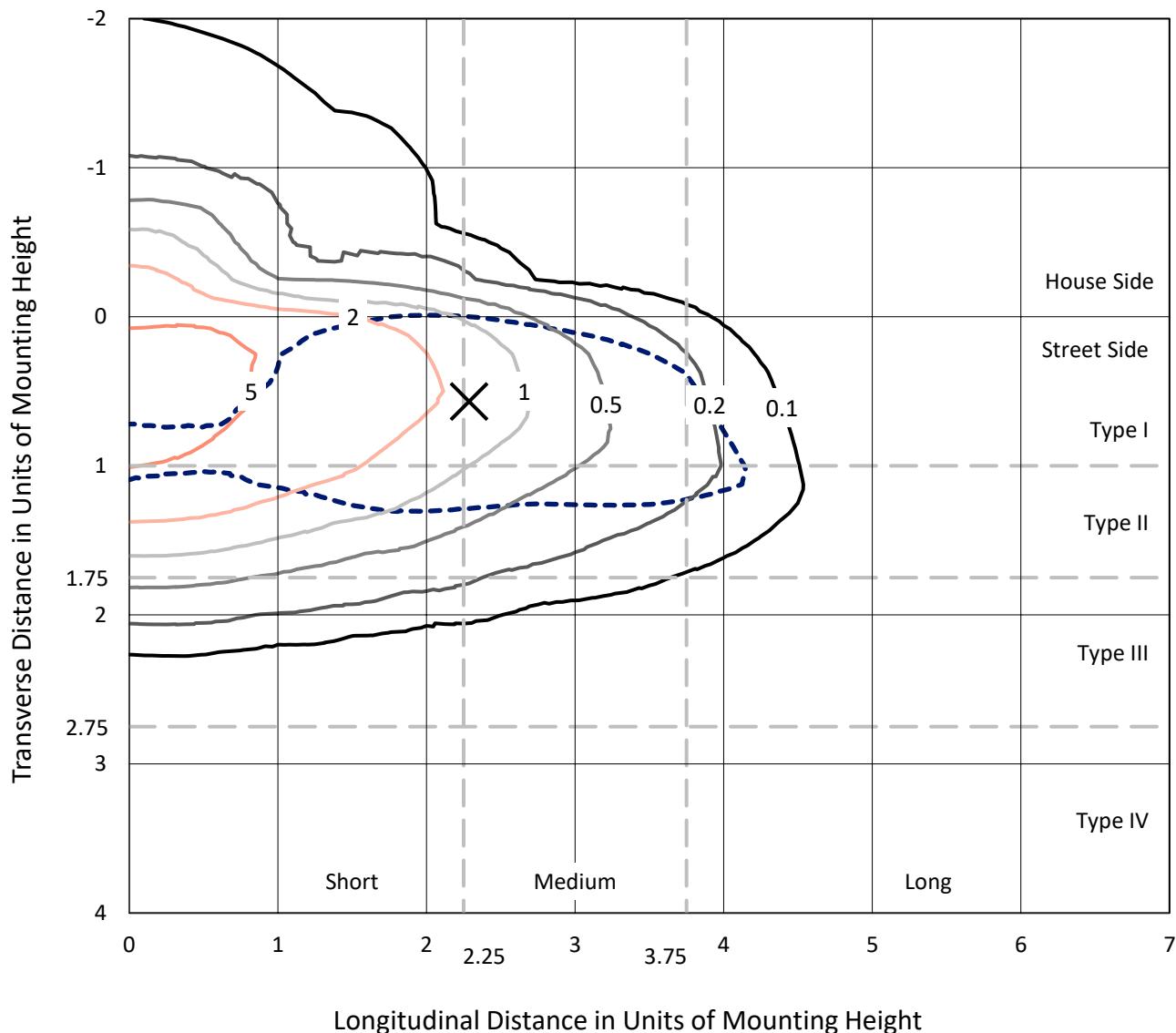
Lumens per Lamp: N/A  
Luminaire Lumens: 12604.3 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 122.4  
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

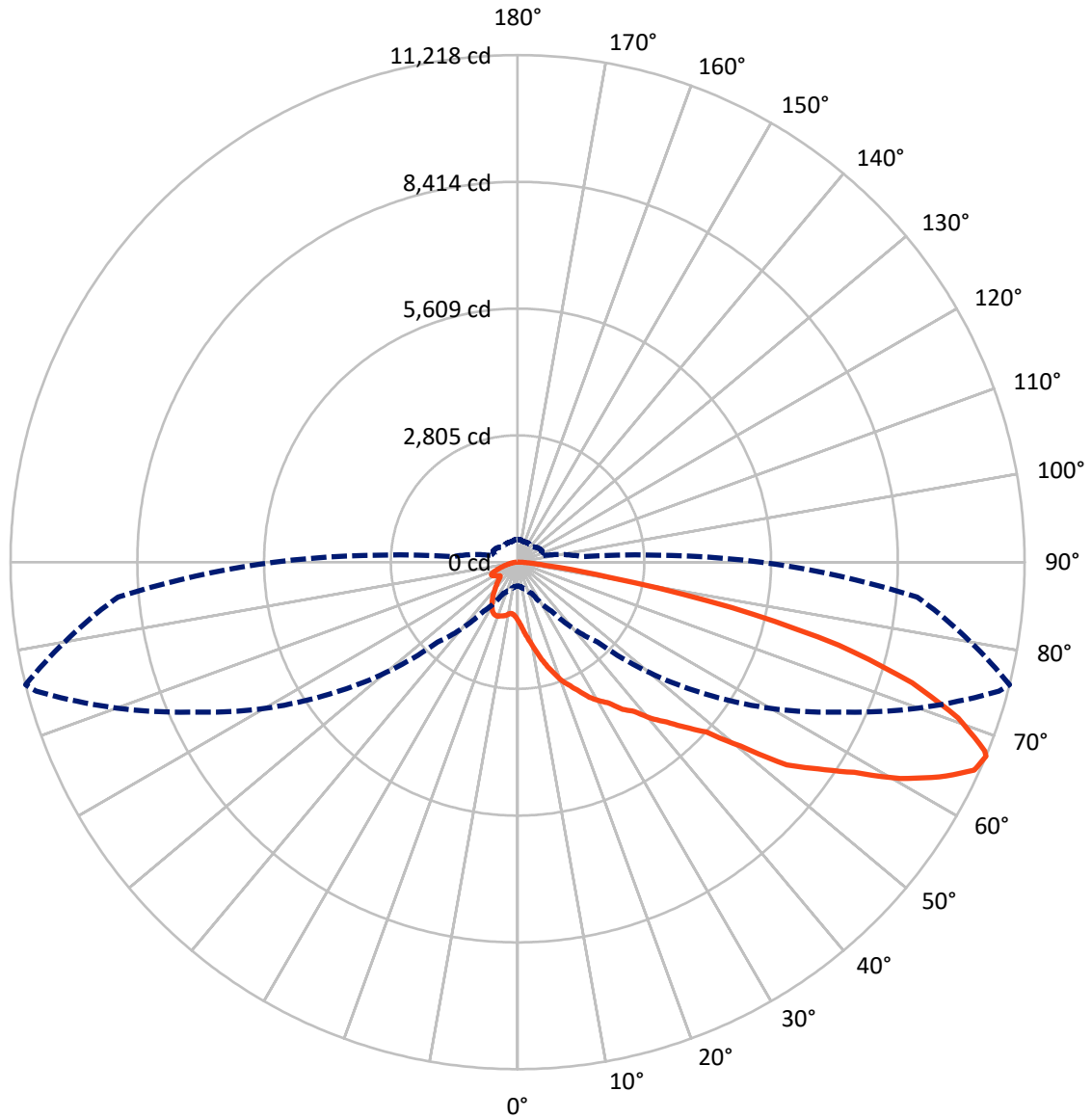
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1793.1	0.0	1793.1
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	10811.2	0.0	10811.2
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	12604.3	0.0	12604.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.4	1.2
10°-20°	560.4	4.4
20°-30°	1041.8	8.3
30°-40°	1651.5	13.1
40°-50°	2284.2	18.1
50°-60°	2809.7	22.3
60°-70°	2614.5	20.7
70°-80°	1312.0	10.4
80°-90°	180.9	1.4
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°	12604.3	100.0
0°-180°	12604.3	100.0

**Coefficient of Utilization**



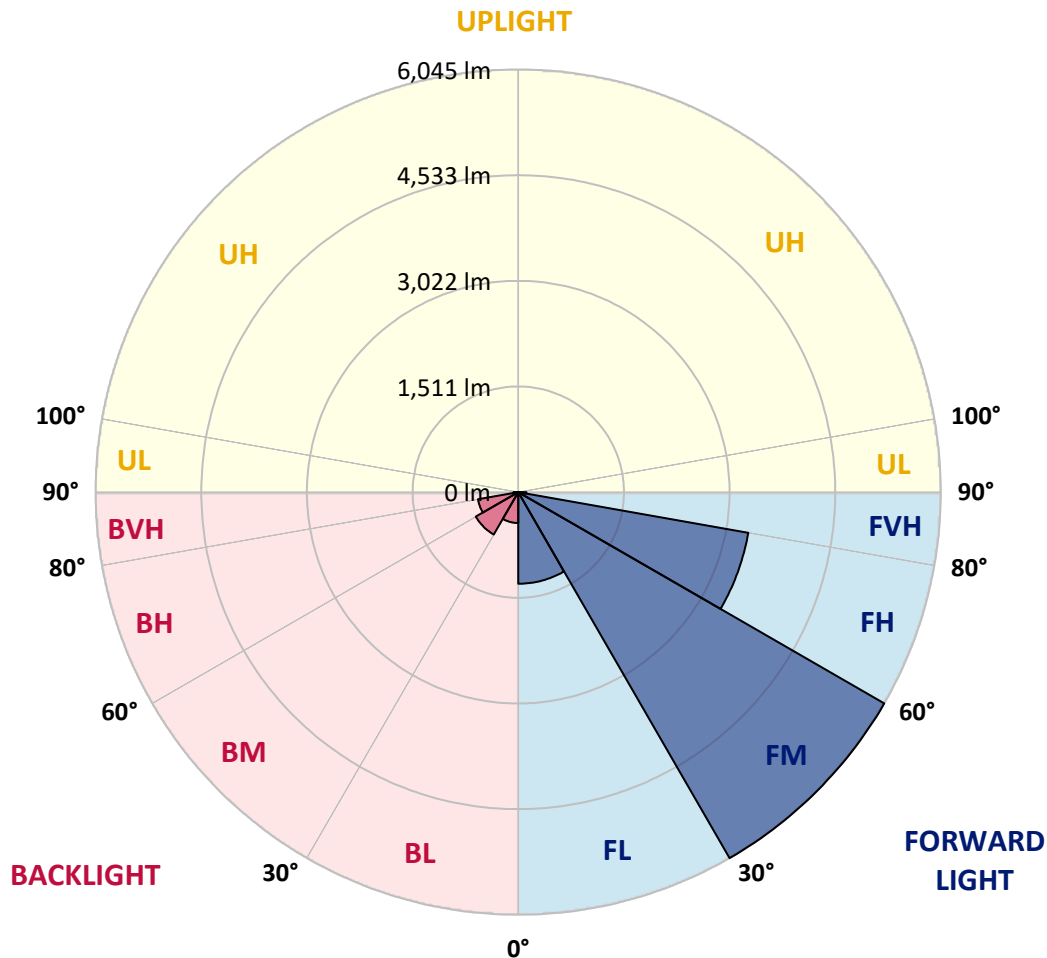
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1310.0	10.4			
FM (30°-60°)	6044.6	48.0			
FH (60°-80°)	3341.3	26.5			G2/5000
FVH (80°-90°)	115.3	0.9			G2/225
BL (0°-30°)	441.6	3.5	B1/500		
BM (30°-60°)	700.7	5.6	B1/1000		
BH (60°-80°)	585.2	4.6	B2/1000		G2/1000
BVH (80°-90°)	65.6	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-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9
2.5°	1789.7	1768.2	1746.6	1700.7	1684.9	1641.8	1562.8	1475.2	1403.3	1393.3	1343.0
5°	2220.6	2189.0	2181.8	2156.0	2074.1	1990.8	1861.5	1720.8	1545.5	1558.5	1386.1
7.5°	2543.8	2525.1	2486.4	2461.9	2413.1	2302.5	2168.9	1982.2	1759.6	1716.5	1482.3
10°	2788.0	2762.1	2760.7	2739.2	2713.3	2599.8	2497.8	2246.5	1960.6	1901.8	1600.1
12.5°	2911.5	2907.2	2983.3	2983.3	2973.3	2925.9	2750.6	2520.8	2151.7	2131.6	1736.6
15°	3045.1	3009.2	3075.3	3125.5	3151.4	3175.8	3030.7	2788.0	2395.9	2357.1	1883.1
17.5°	3045.1	3042.2	3108.3	3191.6	3326.6	3358.2	3279.2	3033.6	2598.4	2569.7	2044.0
20°	2993.4	3035.1	3081.0	3193.1	3339.6	3467.4	3490.4	3285.0	2822.5	2799.5	2226.4
22.5°	3234.7	3194.5	3241.9	3285.0	3398.5	3592.4	3655.6	3506.2	3058.0	2970.4	2391.6
25°	3639.8	3612.5	3578.0	3514.8	3562.2	3646.9	3743.2	3669.9	3259.1	3161.5	2551.0
27.5°	4034.8	4036.2	3961.5	3823.6	3721.6	3738.9	3852.3	3813.6	3428.6	3385.5	2660.2
30°	4596.4	4561.9	4478.6	4291.9	4092.2	3928.5	3909.8	3947.1	3644.1	3560.8	2816.7
32.5°	5017.2	5024.4	4906.6	4638.0	4365.1	4231.5	4067.8	4083.6	3780.5	3718.8	2941.7
35°	5357.7	5349.0	5265.7	5043.1	4719.9	4559.0	4337.8	4247.3	4098.0	4000.3	3132.7
37.5°	5725.4	5655.0	5520.0	5268.6	5061.8	4839.1	4623.7	4419.7	4309.1	4191.3	3296.5
40°	5873.3	5873.3	5692.3	5577.4	5331.8	5163.8	5024.4	4646.7	4566.2	4543.2	3506.2
42.5°	5768.5	5833.1	5758.4	5627.7	5527.2	5314.6	5277.2	4882.2	4883.7	4837.7	3757.5
45°	5758.4	5669.4	5607.6	5640.6	5593.2	5581.7	5676.5	5208.3	5216.9	5211.2	4095.1
47.5°	5469.7	5429.5	5521.4	5576.0	5614.8	5792.9	6065.8	5597.5	5659.3	5616.2	4484.3
50°	5182.4	5175.2	5232.7	5430.9	5599.0	5892.0	6436.4	6197.9	6400.5	6397.6	5189.6
52.5°	4395.3	4471.4	4696.9	5116.4	5531.5	6027.0	6716.5	6965.0	7351.3	7456.2	5774.2
55°	3642.6	3602.4	3935.7	4544.7	5237.0	6080.2	7029.6	7426.0	7994.8	8071.0	6374.6
57.5°	2834.0	2908.6	3171.5	3756.1	4628.0	5817.3	7259.4	7881.4	8721.6	8780.5	7071.3
60°	2114.3	2124.4	2413.1	2884.2	3817.9	5224.1	7334.1	8348.2	9554.7	9722.8	7800.9
62.5°	1330.1	1390.4	1610.2	2074.1	2874.2	4393.9	6999.4	8631.1	10428.0	10472.6	8536.3
65°	716.7	755.5	920.7	1212.3	2008.0	3323.8	6111.8	8461.7	10838.8	11103.1	8863.8
67°	530.0	537.2	613.3	774.2	1343.0	2502.2	5096.2	7848.3	11025.6	11218.1	8876.8
67.5°	497.0	507.0	567.4	695.2	1190.8	2303.9	4830.5	7630.0	10942.3	11149.1	8776.2
70°	425.2	428.0	442.4	478.3	667.9	1386.1	3289.3	6252.5	10142.2	10340.4	8071.0
72.5°	377.8	380.6	386.4	393.6	452.5	801.5	2000.9	4811.8	8815.0	9131.0	6963.5
75°	331.8	341.9	344.7	339.0	384.9	521.4	1064.4	3536.3	7190.5	7344.2	5415.1
77.5°	281.5	285.8	291.6	297.3	343.3	389.3	511.3	2387.2	4935.4	4842.0	2928.8
80°	237.0	238.4	242.7	247.1	297.3	297.3	290.1	1289.9	2156.0	2061.2	989.7
82.5°	169.5	179.5	189.6	201.1	247.1	199.7	189.6	574.5	682.3	649.2	334.7
85°	66.1	80.4	125.0	137.9	156.6	107.7	126.4	248.5	284.4	281.5	125.0
87.5°	11.5	12.9	34.5	53.1	57.5	37.3	60.3	89.1	106.3	114.9	46.0
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°	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9	1289.9
2.5°	1301.4	1256.8	1203.7	1150.5	1116.1	1061.5	1057.2	1024.1	1019.8	1008.3	1014.1
5°	1311.4	1258.3	1150.5	1065.8	1027.0	995.4	1002.6	988.2	983.9	976.7	965.2
7.5°	1390.4	1285.6	1124.7	1051.4	1022.7	1008.3	1008.3	991.1	978.2	986.8	995.4
10°	1442.1	1298.5	1144.8	1071.5	1048.6	1017.0	1028.4	1006.9	1014.1	996.8	996.8
12.5°	1525.4	1371.7	1186.4	1101.7	1064.4	1035.6	1047.1	1022.7	1017.0	1018.4	1014.1
15°	1637.5	1420.6	1205.1	1118.9	1093.1	1057.2	1048.6	1027.0	1005.5	998.3	1006.9
17.5°	1742.3	1480.9	1218.0	1129.0	1087.3	1047.1	1037.1	1009.8	1002.6	981.0	963.8
20°	1867.3	1552.7	1235.3	1137.6	1065.8	1025.6	999.7	972.4	948.0	935.1	940.8
22.5°	1950.6	1590.1	1243.9	1120.4	1034.2	996.8	942.3	923.6	889.1	874.7	863.3
25°	2087.0	1636.0	1222.4	1073.0	978.2	917.8	869.0	843.1	818.7	800.1	794.3
27.5°	2121.5	1670.5	1172.1	992.5	889.1	825.9	784.3	752.7	736.9	708.1	702.4
30°	2222.1	1636.0	1097.4	894.9	804.4	739.7	698.1	675.1	637.7	630.6	614.8
32.5°	2286.7	1646.1	1002.6	800.1	706.7	649.2	621.9	599.0	588.9	554.4	545.8
35°	2394.4	1611.6	906.3	712.4	626.3	581.7	558.7	551.6	518.5	502.7	488.4
37.5°	2463.4	1591.5	810.1	613.3	538.6	520.0	527.1	497.0	456.8	426.6	416.5
40°	2584.0	1584.3	700.9	531.5	478.3	474.0	497.0	439.5	366.3	340.4	326.1
42.5°	2757.8	1535.5	616.2	458.2	430.9	449.6	453.9	366.3	324.6	303.1	293.0
45°	2924.4	1545.5	532.9	379.2	374.9	402.2	392.1	310.3	285.8	270.0	278.7
47.5°	3244.8	1595.8	451.0	316.0	337.5	363.4	304.5	277.2	254.2	242.7	244.2
50°	3740.3	1644.6	379.2	288.7	318.9	328.9	261.4	251.4	249.9	226.9	225.5
52.5°	4037.6	1626.0	366.3	323.2	341.9	328.9	284.4	277.2	265.7	255.7	244.2
55°	4510.2	1680.6	393.6	377.8	387.8	316.0	318.9	316.0	307.4	281.5	288.7
57.5°	4886.5	1716.5	429.5	422.3	416.5	328.9	333.2	334.7	328.9	317.4	327.5
60°	5403.6	1788.3	466.8	468.3	469.7	357.7	364.8	373.5	372.0	367.7	370.6
62.5°	5721.1	1755.2	508.5	531.5	524.3	416.5	415.1	420.9	420.9	428.0	432.3
65°	5673.7	1633.2	530.0	587.5	550.1	459.6	459.6	462.5	463.9	478.3	479.7
67°	5389.3	1414.8	518.5	596.1	550.1	476.9	476.9	479.7	469.7	507.0	495.5
67.5°	5257.1	1350.2	508.5	588.9	545.8	475.4	475.4	476.9	468.3	504.2	492.7
70°	4572.0	1002.6	438.1	521.4	505.6	462.5	462.5	453.9	446.7	494.1	484.1
72.5°	3902.6	728.2	351.9	443.8	456.8	445.3	448.1	426.6	406.5	439.5	430.9
75°	2989.1	535.8	274.3	341.9	386.4	416.5	435.2	380.6	354.8	363.4	347.6
77.5°	1667.6	349.0	216.9	252.8	294.5	387.8	418.0	343.3	290.1	280.1	280.1
80°	565.9	204.0	159.4	188.2	202.5	343.3	390.7	278.7	228.4	218.3	211.1
82.5°	214.0	125.0	109.2	129.3	129.3	271.5	318.9	214.0	172.4	222.6	226.9
85°	97.7	74.7	71.8	74.7	74.7	166.6	225.5	139.3	155.1	133.6	117.8
87.5°	38.8	35.9	33.0	31.6	25.9	28.7	77.6	37.3	70.4	18.7	17.2
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)