

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: P476845

Luminaire Tested: **IFLD-S-SA6A-722-U-T2R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P476845
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

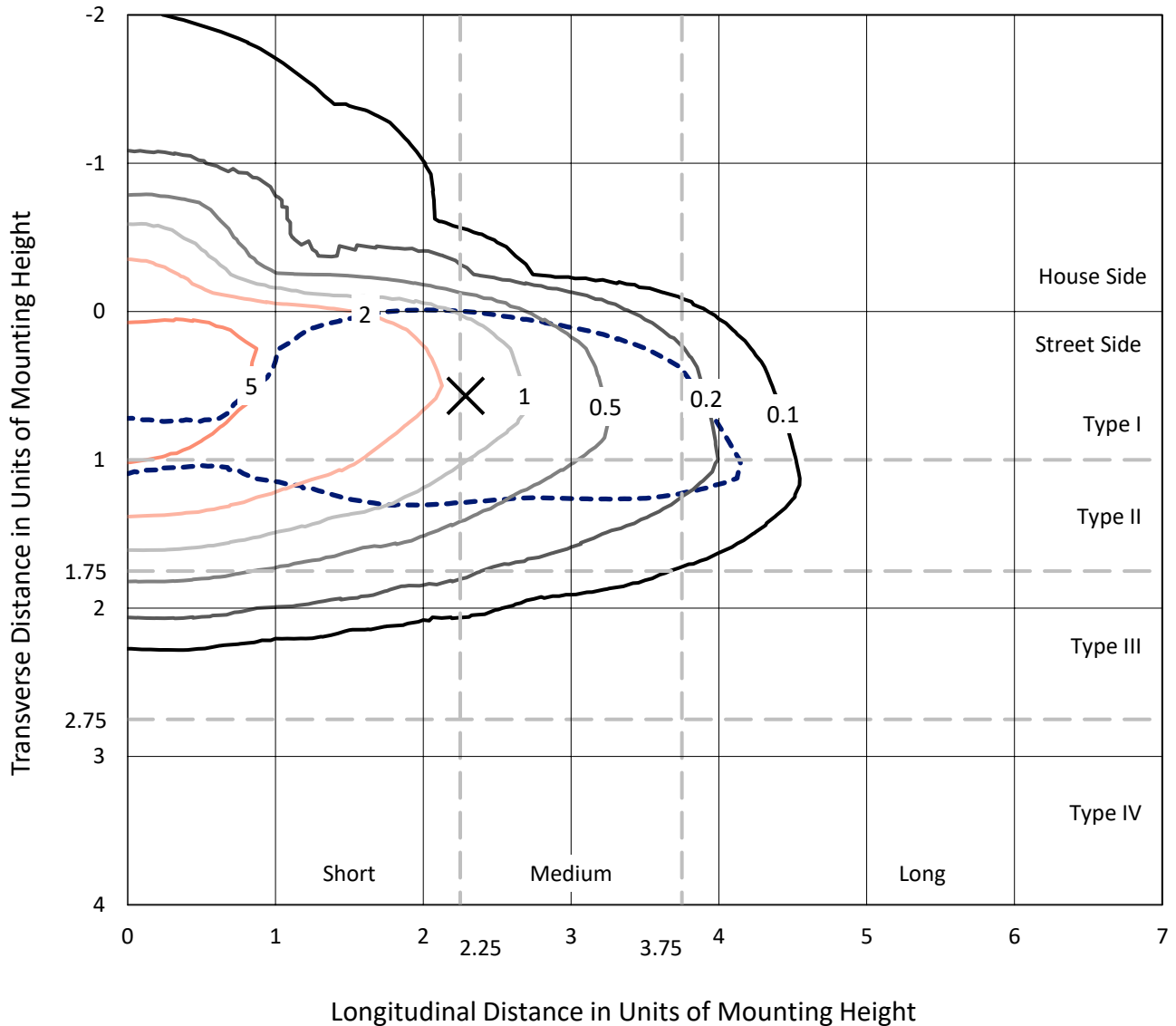
Lumens per Lamp: N/A
Luminaire Lumens: 19992.5 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

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

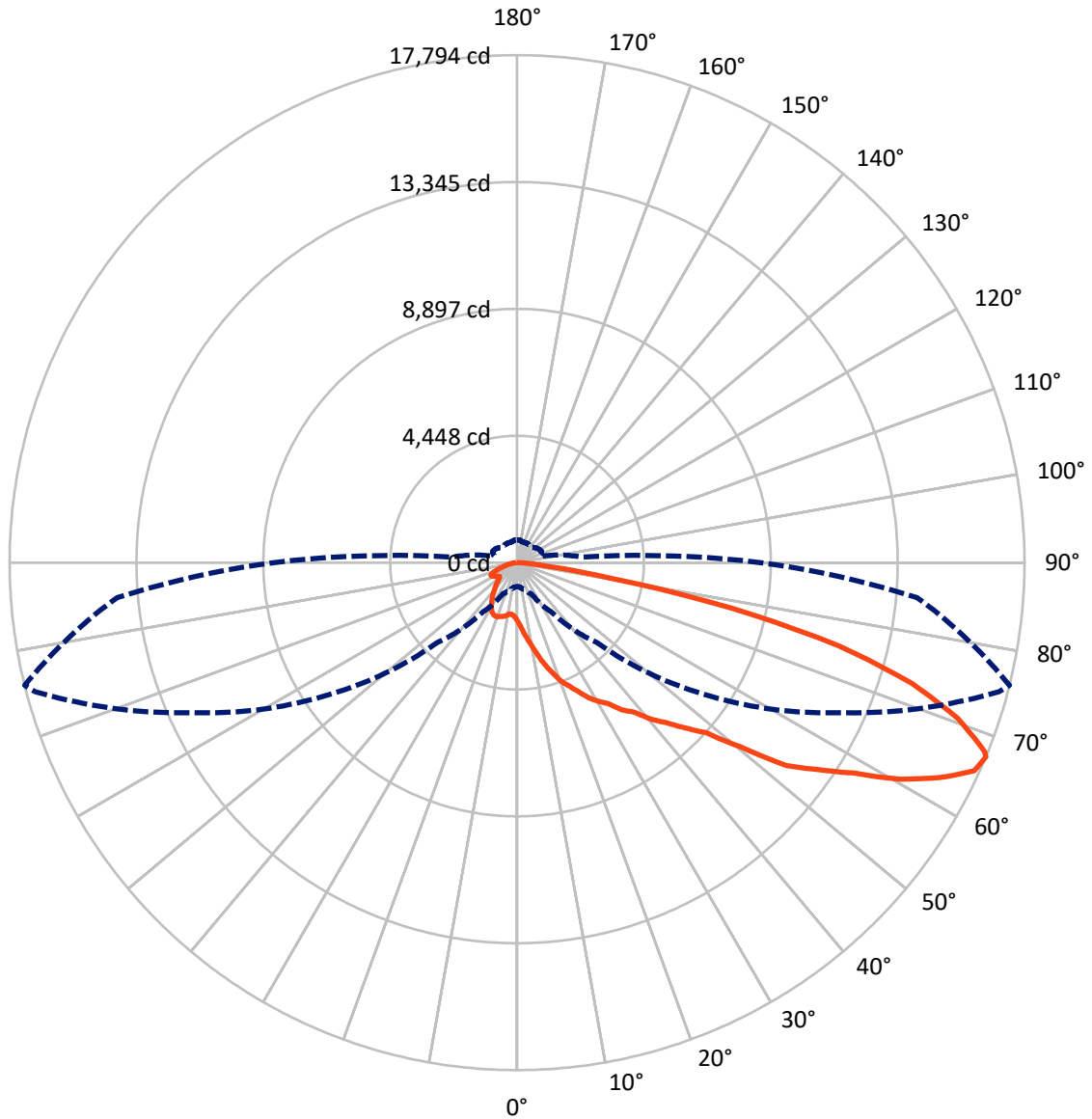
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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
House Side	Lumens	2844.2	0.0	2844.2
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	17148.3	0.0	17148.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	19992.5	0.0	19992.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.0	1.2
10°-20°	888.8	4.4
20°-30°	1652.5	8.3
30°-40°	2619.6	13.1
40°-50°	3623.1	18.1
50°-60°	4456.6	22.3
60°-70°	4147.1	20.7
70°-80°	2081.0	10.4
80°-90°	286.9	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°	19992.5	100.0
0°-180°	19992.5	100.0

Coefficient of Utilization



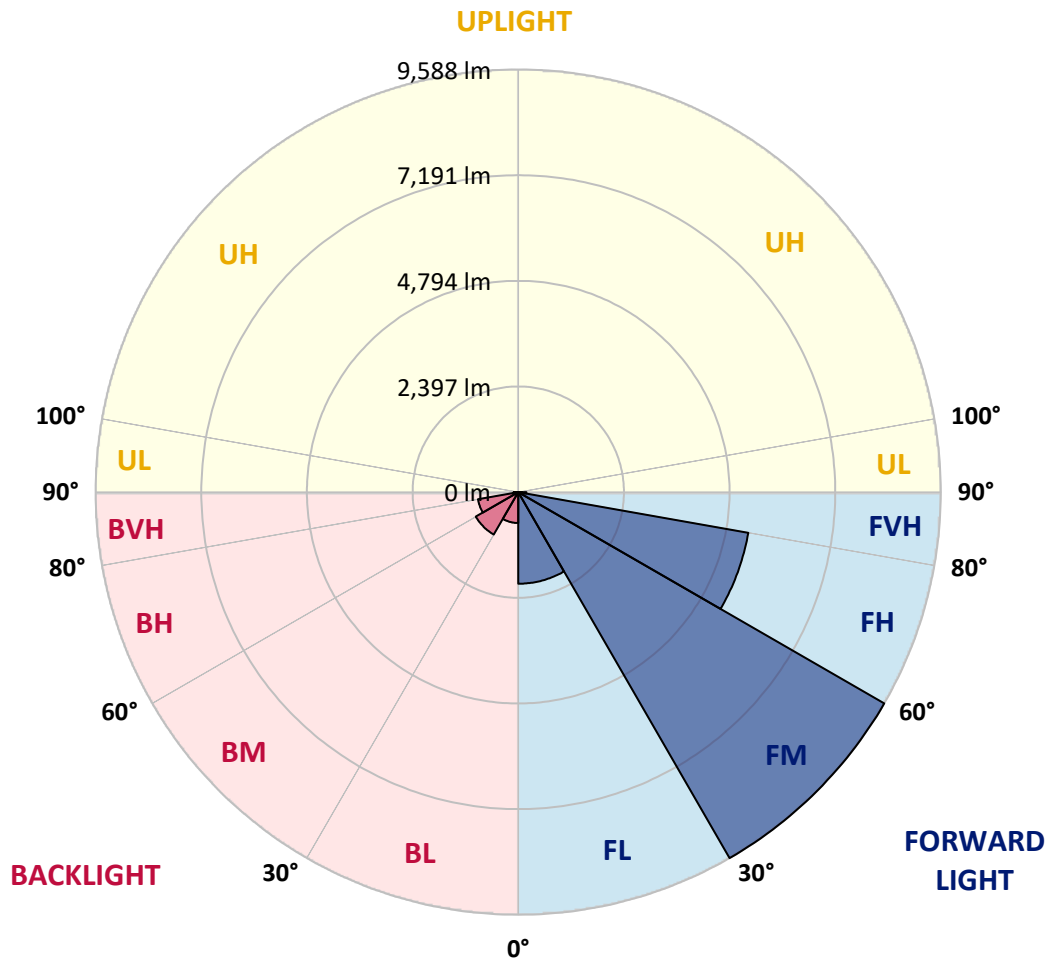
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2077.9	10.4			
FM (30°-60°)	9587.8	48.0			
FH (60°-80°)	5299.9	26.5			G3/7500
FVH (80°-90°)	182.8	0.9			G2/225
BL (0°-30°)	700.4	3.5	B2/1000		
BM (30°-60°)	1111.5	5.6	B2/2500		
BH (60°-80°)	928.2	4.6	B2/1000		G2/1000
BVH (80°-90°)	104.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9
2.5°	2838.8	2804.6	2770.4	2697.5	2672.5	2604.1	2478.8	2339.8	2225.9	2210.0	2130.2
5°	3522.3	3472.2	3460.8	3419.8	3289.9	3157.7	2952.7	2729.4	2451.5	2472.0	2198.6
7.5°	4034.9	4005.3	3943.8	3905.0	3827.6	3652.1	3440.3	3144.1	2790.9	2722.6	2351.2
10°	4422.2	4381.2	4378.9	4344.8	4303.7	4123.8	3962.0	3563.3	3109.9	3016.5	2538.0
12.5°	4618.1	4611.3	4732.1	4732.1	4716.1	4640.9	4363.0	3998.4	3412.9	3381.0	2754.5
15°	4830.0	4773.1	4877.9	4957.6	4998.6	5037.4	4807.3	4422.2	3800.2	3738.7	2986.9
17.5°	4830.0	4825.5	4930.3	5062.4	5276.6	5326.7	5201.4	4811.8	4121.5	4075.9	3242.0
20°	4748.0	4814.1	4887.0	5064.7	5297.1	5499.9	5536.3	5210.5	4476.9	4440.4	3531.4
22.5°	5130.8	5067.0	5142.2	5210.5	5390.5	5698.1	5798.3	5561.4	4850.5	4711.6	3793.4
25°	5773.3	5730.0	5675.3	5575.0	5650.2	5784.6	5937.3	5821.1	5169.5	5014.6	4046.3
27.5°	6399.8	6402.1	6283.6	6064.9	5903.1	5930.5	6110.4	6048.9	5438.3	5370.0	4219.4
30°	7290.6	7235.9	7103.8	6807.6	6490.9	6231.2	6201.6	6260.8	5780.1	5647.9	4467.8
32.5°	7958.2	7969.6	7782.7	7356.7	6923.8	6711.9	6452.2	6477.3	5996.5	5898.6	4666.0
35°	8498.1	8484.5	8352.3	7999.2	7486.6	7231.4	6880.5	6737.0	6500.0	6345.1	4969.0
37.5°	9081.4	8969.7	8755.6	8356.9	8028.8	7675.7	7333.9	7010.4	6835.0	6648.1	5228.7
40°	9316.0	9316.0	9029.0	8846.7	8457.1	8190.6	7969.6	7370.4	7242.8	7206.3	5561.4
42.5°	9149.7	9252.2	9133.8	8926.4	8767.0	8429.8	8370.5	7744.0	7746.3	7673.4	5960.1
45°	9133.8	8992.5	8894.6	8947.0	8871.8	8853.5	9003.9	8261.2	8274.8	8265.7	6495.5
47.5°	8675.8	8612.0	8757.9	8844.4	8905.9	9188.5	9621.3	8878.6	8976.6	8908.2	7112.9
50°	8220.2	8208.8	8299.9	8614.3	8880.9	9345.7	10209.1	9830.9	10152.2	10147.6	8231.6
52.5°	6971.7	7092.4	7450.1	8115.4	8773.8	9559.8	10653.4	11047.6	11660.4	11826.7	9158.8
55°	5777.8	5714.0	6242.6	7208.6	8306.7	9644.1	11150.1	11778.9	12681.1	12801.9	10111.2
57.5°	4495.1	4613.6	5030.5	5957.8	7340.7	9227.2	11514.6	12501.1	13833.9	13927.4	11216.2
60°	3353.7	3369.6	3827.6	4574.9	6055.8	8286.2	11633.1	13241.6	15155.4	15421.9	12373.5
62.5°	2109.7	2205.4	2554.0	3289.9	4558.9	6969.4	11102.2	13690.4	16540.6	16611.2	13540.0
65°	1136.9	1198.4	1460.4	1922.9	3185.1	5272.0	9694.2	13421.6	17192.2	17611.4	14059.5
67°	840.7	852.1	972.8	1228.0	2130.2	3968.8	8083.5	12448.7	17488.4	17793.7	14080.0
67.5°	788.3	804.2	899.9	1102.7	1888.7	3654.4	7662.0	12102.4	17356.2	17684.3	13920.5
70°	674.4	678.9	701.7	758.7	1059.4	2198.6	5217.3	9917.5	16087.2	16401.6	12801.9
72.5°	599.2	603.8	612.9	624.3	717.7	1271.3	3173.7	7632.4	13982.0	14483.3	11045.3
75°	526.3	542.2	546.8	537.7	610.6	827.0	1688.2	5609.2	11405.3	11649.0	8589.3
77.5°	446.6	453.4	462.5	471.6	544.5	617.4	811.1	3786.6	7828.3	7680.2	4645.5
80°	375.9	378.2	385.0	391.9	471.6	471.6	460.2	2045.9	3419.8	3269.4	1569.8
82.5°	268.8	284.8	300.7	319.0	391.9	316.7	300.7	911.3	1082.2	1029.8	530.8
85°	104.8	127.6	198.2	218.7	248.3	170.9	200.5	394.1	451.1	446.6	198.2
87.5°	18.2	20.5	54.7	84.3	91.1	59.2	95.7	141.3	168.6	182.3	72.9
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°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9
2.5°	2064.2	1993.5	1909.2	1824.9	1770.3	1683.7	1676.8	1624.4	1617.6	1599.4	1608.5
5°	2080.1	1995.8	1824.9	1690.5	1629.0	1578.9	1590.3	1567.5	1560.6	1549.3	1531.0
7.5°	2205.4	2039.1	1783.9	1667.7	1622.2	1599.4	1599.4	1572.0	1551.5	1565.2	1578.9
10°	2287.4	2059.6	1815.8	1699.6	1663.2	1613.0	1631.3	1597.1	1608.5	1581.2	1581.2
12.5°	2419.6	2175.8	1881.9	1747.5	1688.2	1642.7	1660.9	1622.2	1613.0	1615.3	1608.5
15°	2597.3	2253.3	1911.5	1774.8	1733.8	1676.8	1663.2	1629.0	1594.8	1583.4	1597.1
17.5°	2763.6	2348.9	1932.0	1790.8	1724.7	1660.9	1644.9	1601.7	1590.3	1556.1	1528.8
20°	2961.8	2462.9	1959.4	1804.4	1690.5	1626.7	1585.7	1542.4	1503.7	1483.2	1492.3
22.5°	3094.0	2522.1	1973.0	1777.1	1640.4	1581.2	1494.6	1465.0	1410.3	1387.5	1369.3
25°	3310.4	2595.0	1938.8	1701.9	1551.5	1455.8	1378.4	1337.4	1298.6	1269.0	1259.9
27.5°	3365.1	2649.7	1859.1	1574.3	1410.3	1310.0	1244.0	1193.8	1168.8	1123.2	1114.1
30°	3524.6	2595.0	1740.6	1419.4	1275.9	1173.3	1107.3	1070.8	1011.6	1000.2	975.1
32.5°	3627.1	2611.0	1590.3	1269.0	1120.9	1029.8	986.5	950.1	934.1	879.4	865.8
35°	3798.0	2556.3	1437.6	1130.0	993.3	922.7	886.3	874.9	822.5	797.4	774.6
37.5°	3907.3	2524.4	1285.0	972.8	854.4	824.8	836.1	788.3	724.5	676.7	660.7
40°	4098.7	2513.0	1111.8	843.0	758.7	751.8	788.3	697.2	581.0	540.0	517.2
42.5°	4374.4	2435.5	977.4	726.8	683.5	713.1	719.9	581.0	514.9	480.7	464.8
45°	4638.7	2451.5	845.3	601.5	594.6	637.9	622.0	492.1	453.4	428.3	442.0
47.5°	5146.7	2531.2	715.4	501.2	535.4	576.4	483.0	439.7	403.3	385.0	387.3
50°	5932.7	2608.7	601.5	457.9	505.8	521.7	414.7	398.7	396.4	360.0	357.7
52.5°	6404.4	2579.1	581.0	512.6	542.2	521.7	451.1	439.7	421.5	405.5	387.3
55°	7153.9	2665.6	624.3	599.2	615.1	501.2	505.8	501.2	487.6	446.6	457.9
57.5°	7750.8	2722.6	681.2	669.8	660.7	521.7	528.6	530.8	521.7	503.5	519.5
60°	8571.0	2836.5	740.5	742.7	745.0	567.3	578.7	592.4	590.1	583.2	587.8
62.5°	9074.5	2784.1	806.5	843.0	831.6	660.7	658.4	667.5	667.5	678.9	685.8
65°	8999.4	2590.4	840.7	931.8	872.6	729.1	729.1	733.6	735.9	758.7	761.0
67°	8548.2	2244.1	822.5	945.5	872.6	756.4	756.4	761.0	745.0	804.2	786.0
67.5°	8338.6	2141.6	806.5	934.1	865.8	754.1	754.1	756.4	742.7	799.7	781.5
70°	7251.9	1590.3	694.9	827.0	802.0	733.6	733.6	719.9	708.6	783.7	767.8
72.5°	6190.2	1155.1	558.2	704.0	724.5	706.3	710.8	676.7	644.8	697.2	683.5
75°	4741.2	849.8	435.2	542.2	612.9	660.7	690.3	603.8	562.7	576.4	551.4
77.5°	2645.1	553.6	344.0	401.0	467.1	615.1	663.0	544.5	460.2	444.3	444.3
80°	897.7	323.5	252.9	298.5	321.2	544.5	619.7	442.0	362.3	346.3	334.9
82.5°	339.5	198.2	173.2	205.0	205.0	430.6	505.8	339.5	273.4	353.1	360.0
85°	154.9	118.5	113.9	118.5	118.5	264.3	357.7	221.0	246.1	211.9	186.8
87.5°	61.5	57.0	52.4	50.1	41.0	45.6	123.0	59.2	111.6	29.6	27.3
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)