

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: P476442

Luminaire Tested: **IFLD-S-SA3C-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476442
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

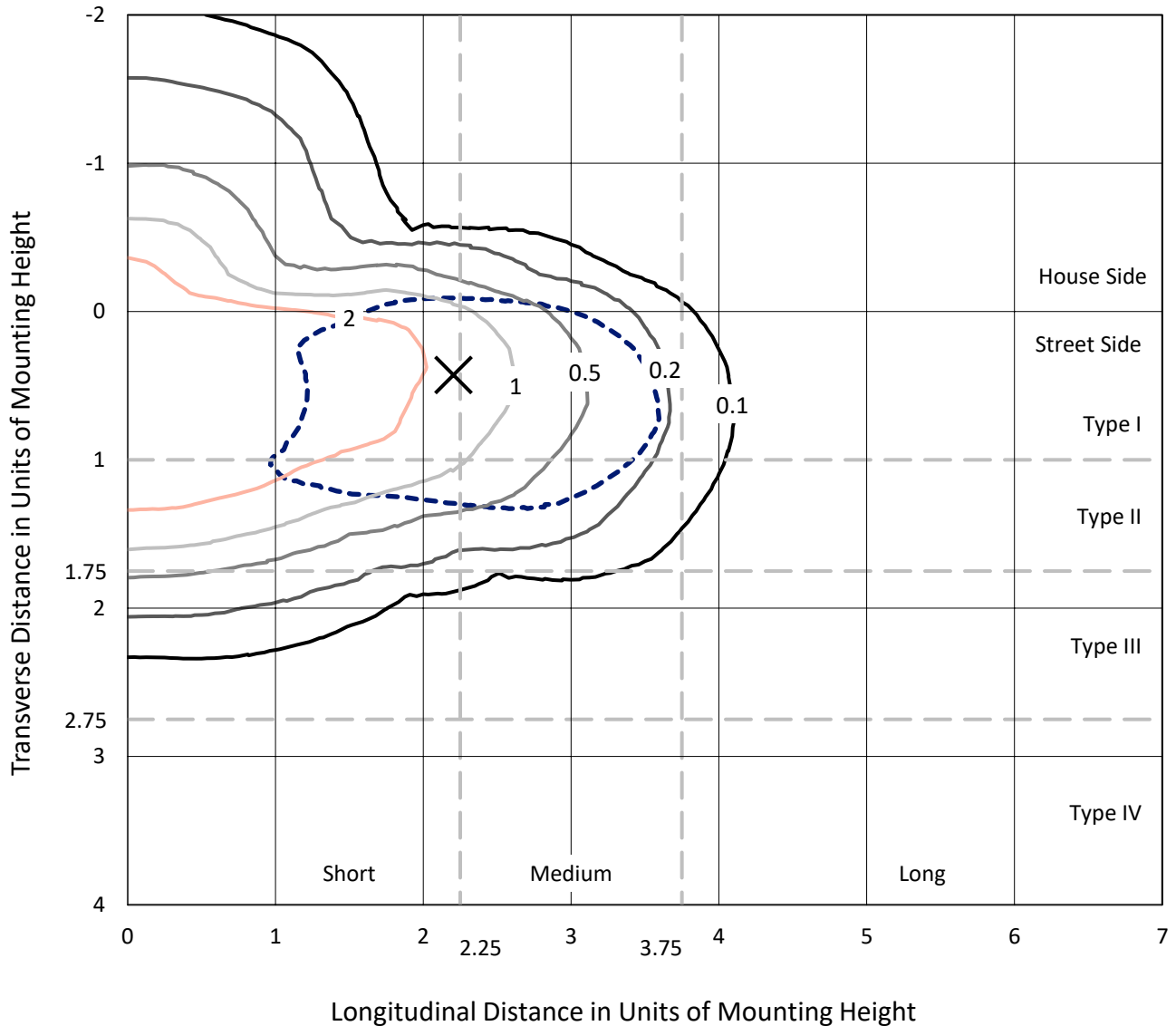
Lumens per Lamp: N/A
Luminaire Lumens: 15583.8 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 160.8
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

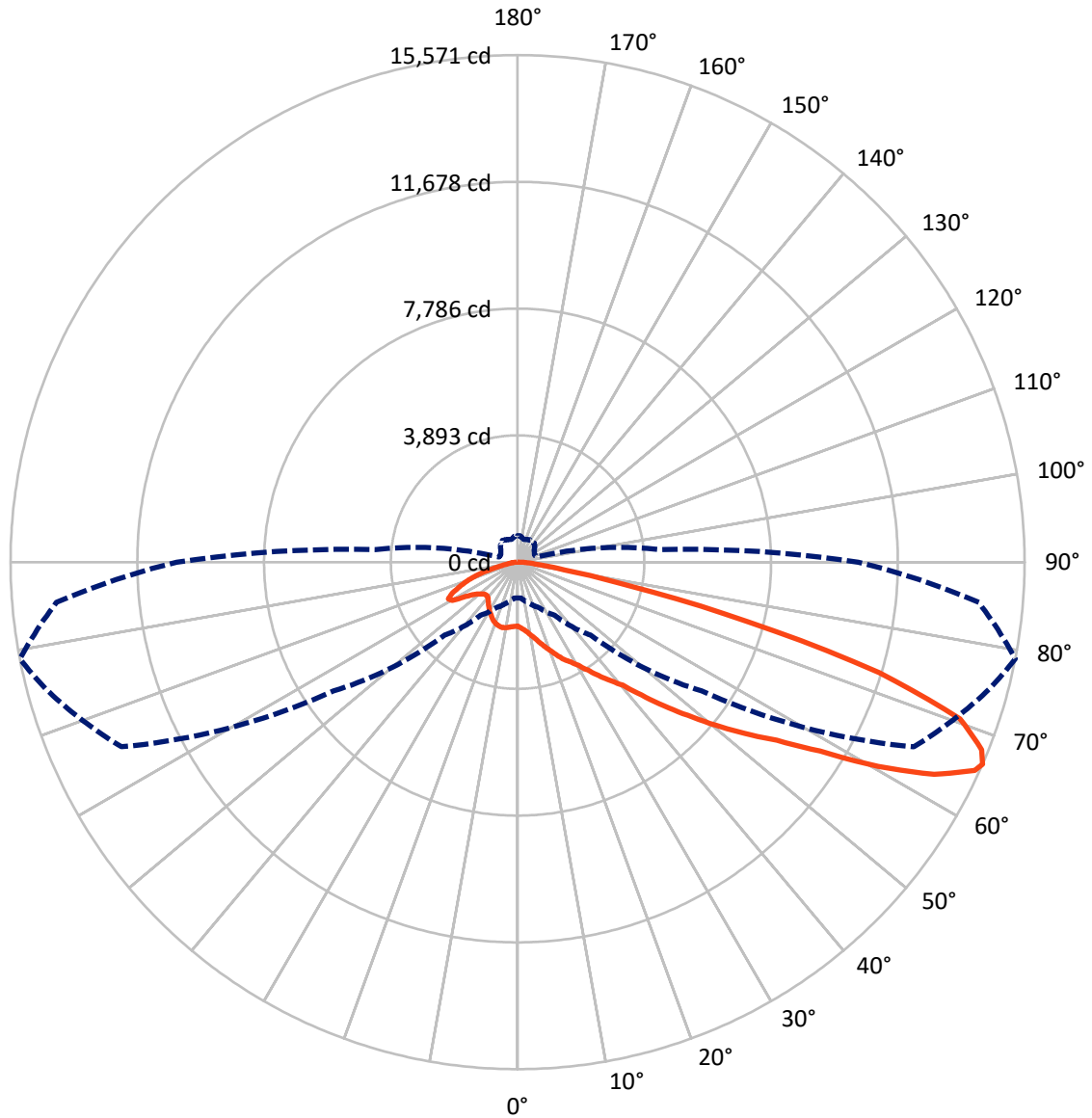
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	3146.9	0.0	3146.9
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	12436.9	0.0	12436.9
	% Fixture	79.8	0.0	79.8
Total	Lumens	15583.8	0.0	15583.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	1.2
10°-20°	597.5	3.8
20°-30°	1025.6	6.6
30°-40°	1584.4	10.2
40°-50°	2537.8	16.3
50°-60°	3789.1	24.3
60°-70°	3893.3	25.0
70°-80°	1725.8	11.1
80°-90°	236.8	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°	15583.8	100.0
0°-180°	15583.8	100.0

Coefficient of Utilization



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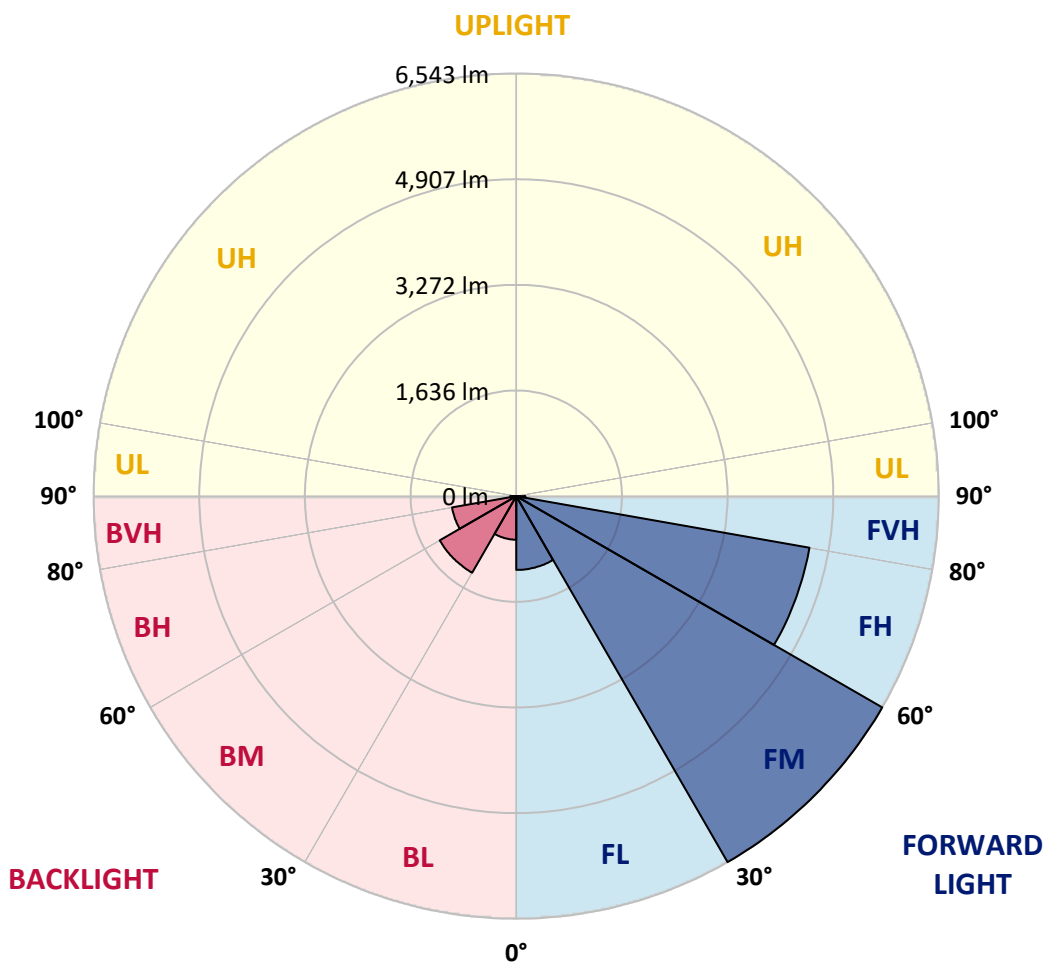
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1142.4	7.3			
FM (30°-60°)	6543.1	42.0			
FH (60°-80°)	4609.3	29.6			G2/5000
FVH (80°-90°)	142.0	0.9			G2/225
BL (0°-30°)	674.2	4.3	B2/1000		
BM (30°-60°)	1368.1	8.8	B2/2500		
BH (60°-80°)	1009.8	6.5	B3/2500		G3/2500
BVH (80°-90°)	94.8	0.6			G1/100
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°	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8
2.5°	2092.9	2094.6	2094.6	2087.8	2089.5	2094.6	2075.8	2034.7	2034.7	2027.8	2015.8
5°	2221.5	2212.9	2200.9	2202.6	2195.8	2195.8	2175.2	2135.8	2101.5	2087.8	2051.8
7.5°	2238.6	2247.2	2245.5	2266.1	2276.3	2276.3	2286.6	2254.1	2202.6	2170.1	2134.1
10°	2272.9	2250.6	2248.9	2296.9	2312.3	2348.3	2389.5	2372.3	2329.5	2283.2	2235.2
12.5°	2293.5	2307.2	2307.2	2331.2	2367.2	2420.3	2492.3	2524.9	2458.0	2410.0	2336.3
15°	2324.3	2305.5	2360.3	2380.9	2449.5	2487.2	2590.0	2674.0	2629.5	2571.2	2454.6
17.5°	2338.1	2326.1	2356.9	2394.6	2511.2	2567.7	2692.9	2809.4	2771.7	2734.0	2614.0
20°	2408.3	2406.6	2420.3	2451.2	2535.2	2646.6	2802.6	2963.7	2977.4	2908.9	2746.0
22.5°	2579.7	2557.5	2557.5	2545.5	2581.5	2696.3	2907.1	3130.0	3191.7	3111.1	2895.1
25°	2737.4	2768.3	2749.4	2694.6	2680.9	2740.9	2982.6	3306.5	3388.8	3313.4	3097.4
27.5°	2939.7	2950.0	2982.6	2908.9	2814.6	2833.4	3064.8	3405.9	3575.6	3474.5	3212.3
30°	3231.1	3212.3	3205.4	3123.1	2999.7	2974.0	3159.1	3551.6	3820.8	3678.5	3347.7
32.5°	3428.2	3474.5	3472.8	3359.7	3210.5	3154.0	3275.7	3688.8	4083.0	3951.0	3597.9
35°	3819.0	3867.0	3829.3	3663.1	3488.2	3375.1	3443.7	3867.0	4383.0	4280.1	3810.5
37.5°	4317.9	4431.0	4350.4	4043.6	3796.8	3673.3	3676.8	4060.7	4689.8	4605.8	4038.5
40°	4662.4	4814.9	4703.5	4415.6	4153.3	4036.7	3990.5	4290.4	5056.6	4967.5	4395.0
42.5°	5089.2	5216.1	5157.8	4873.2	4566.4	4467.0	4374.4	4674.4	5617.2	5576.0	4852.7
45°	5555.4	5615.4	5596.6	5416.6	5075.5	5041.2	4837.2	5180.1	6277.1	6294.2	5425.2
47.5°	5989.1	6021.7	6057.7	5927.4	5714.9	5744.0	5370.3	5721.7	6918.2	7031.3	6062.8
50°	6100.5	6212.0	6295.9	6383.4	6429.6	6626.8	5958.3	6386.8	7655.2	7874.6	6772.5
52.5°	5987.4	5978.8	6234.2	6508.5	6971.3	7384.4	6758.8	7213.0	8306.6	8740.3	7422.1
55°	5473.2	5456.0	5867.4	6230.8	7134.1	7806.1	7902.1	8313.5	9093.4	9657.3	8301.5
57.5°	4573.3	4467.0	4916.1	5512.6	6781.0	7852.4	9050.5	9947.0	10303.5	10946.3	9643.6
60°	3073.4	3028.8	3459.1	4170.4	5505.7	7195.9	9737.9	11991.9	12009.1	12732.4	11726.3
62.5°	1892.4	1901.0	2176.9	2710.0	3855.0	5704.6	9441.3	13625.5	13628.9	14354.0	13440.4
65°	1237.6	1242.7	1465.6	1760.4	2408.3	3868.8	7807.8	13754.1	14755.1	15428.7	14225.4
66°	1102.2	1103.9	1295.9	1535.8	1995.2	3166.0	6895.9	13419.8	15008.8	15571.0	14215.2
67.5°	929.1	951.3	1105.6	1290.7	1556.4	2274.6	5471.5	12453.0	14878.5	15372.2	13892.9
70°	726.8	738.8	860.5	1049.0	1167.3	1316.4	3251.7	10151.0	13618.6	14419.1	12720.4
72.5°	582.8	593.1	685.6	851.9	947.9	867.3	1770.7	7365.6	10757.8	11611.4	10005.3
75°	492.0	493.7	538.2	670.2	779.9	651.4	942.8	4727.5	6902.7	7300.4	6129.7
77.5°	397.7	404.5	435.4	510.8	627.4	512.5	562.2	2648.3	3465.9	3495.1	2833.4
80°	324.0	327.4	346.3	372.0	478.2	378.8	380.5	1292.4	1486.1	1451.9	1151.9
82.5°	255.4	258.8	281.1	276.0	351.4	270.8	236.5	622.2	683.9	670.2	529.7
85°	144.0	144.0	221.1	221.1	222.8	171.4	144.0	293.1	361.7	337.7	248.5
87.5°	46.3	48.0	66.9	70.3	111.4	77.1	70.3	109.7	171.4	150.8	89.1
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°	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8	1967.8
2.5°	2008.9	1981.5	1969.5	1930.1	1919.8	1894.1	1882.1	1866.7	1861.5	1839.2	1859.8
5°	2024.4	2015.8	1967.8	1918.1	1880.4	1863.2	1837.5	1803.2	1799.8	1769.0	1765.5
7.5°	2089.5	2060.4	1976.4	1923.2	1847.8	1805.0	1748.4	1731.3	1709.0	1698.7	1721.0
10°	2190.6	2116.9	1991.8	1858.1	1765.5	1714.1	1673.0	1661.0	1662.7	1655.8	1645.6
12.5°	2262.6	2192.4	1966.1	1803.2	1683.3	1633.6	1630.1	1642.1	1661.0	1652.4	1664.4
15°	2365.5	2233.5	1947.2	1712.4	1616.4	1602.7	1601.0	1637.0	1635.3	1635.3	1633.6
17.5°	2461.5	2274.6	1878.7	1633.6	1546.1	1556.4	1568.4	1566.7	1583.8	1590.7	1602.7
20°	2583.2	2322.6	1782.7	1554.7	1493.0	1489.6	1487.9	1489.6	1506.7	1517.0	1508.4
22.5°	2689.4	2332.9	1702.1	1479.3	1429.6	1415.9	1393.6	1415.9	1407.3	1410.7	1421.0
25°	2782.0	2334.6	1587.3	1422.7	1366.1	1335.3	1318.2	1316.4	1301.0	1299.3	1299.3
27.5°	2859.1	2276.3	1486.1	1343.9	1290.7	1261.6	1259.9	1241.0	1201.6	1175.9	1179.3
30°	2919.1	2231.8	1415.9	1275.3	1223.9	1218.7	1203.3	1160.5	1109.0	1076.5	1076.5
32.5°	3025.4	2142.6	1319.9	1205.0	1179.3	1172.5	1136.5	1098.7	1050.8	1019.9	1014.8
35°	3104.3	2060.4	1256.4	1145.0	1133.0	1119.3	1088.5	1047.3	1033.6	1026.8	1031.9
37.5°	3193.4	1967.8	1179.3	1093.6	1105.6	1079.9	1043.9	1025.0	1073.0	1061.0	1066.2
40°	3335.7	1902.7	1103.9	1062.8	1074.7	1045.6	999.3	992.5	1052.5	1009.6	999.3
42.5°	3596.2	1901.0	1057.6	1016.5	1025.0	1002.8	961.6	958.2	982.2	930.8	915.3
45°	3920.2	1960.9	1023.3	982.2	975.3	971.9	958.2	942.8	922.2	855.3	838.2
47.5°	4307.6	2058.7	1016.5	930.8	939.3	968.5	951.3	911.9	858.8	815.9	807.3
50°	4777.2	2260.9	999.3	893.1	908.5	954.8	941.0	886.2	838.2	810.8	805.6
52.5°	5296.6	2516.3	977.0	834.8	869.1	942.8	949.6	898.2	827.9	803.9	800.5
55°	5908.6	2893.4	951.3	771.4	822.8	930.8	949.6	863.9	814.2	814.2	810.8
57.5°	7117.0	3572.2	898.2	713.1	781.6	908.5	922.2	865.6	815.9	815.9	809.1
60°	8889.4	4631.5	797.1	668.5	742.2	877.6	901.6	839.9	797.1	807.3	805.6
62.5°	10276.1	4953.8	711.4	625.7	702.8	821.1	874.2	812.5	774.8	812.5	815.9
65°	10572.7	4628.1	623.9	579.4	647.9	766.2	834.8	773.1	742.2	815.9	819.3
66°	10466.4	4374.4	593.1	565.7	623.9	738.8	810.8	759.4	725.1	812.5	814.2
67.5°	9993.3	3993.9	558.8	536.5	591.4	699.4	783.4	740.5	697.6	802.2	786.8
70°	8964.8	3387.1	500.5	485.1	545.1	634.2	719.9	692.5	654.8	738.8	711.4
72.5°	6904.5	2706.6	438.8	440.5	492.0	567.4	656.5	637.7	605.1	647.9	630.8
75°	4204.7	1729.5	382.2	385.7	428.5	503.9	596.5	582.8	543.4	567.4	558.8
77.5°	1863.2	857.1	322.3	329.1	363.4	444.0	519.4	497.1	456.0	461.1	457.7
80°	723.4	406.2	262.3	270.8	293.1	354.8	430.2	409.7	373.7	366.8	363.4
82.5°	348.0	226.3	202.3	205.7	214.3	282.8	370.2	344.5	296.5	265.7	265.7
85°	174.8	140.6	142.3	130.3	142.3	192.0	250.3	209.1	173.1	154.3	157.7
87.5°	70.3	70.3	70.3	60.0	63.4	90.8	116.6	78.8	72.0	42.9	42.9
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)