

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: P480492

Luminaire Tested: **IFLD-S-SA2B-740-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480492
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-740-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

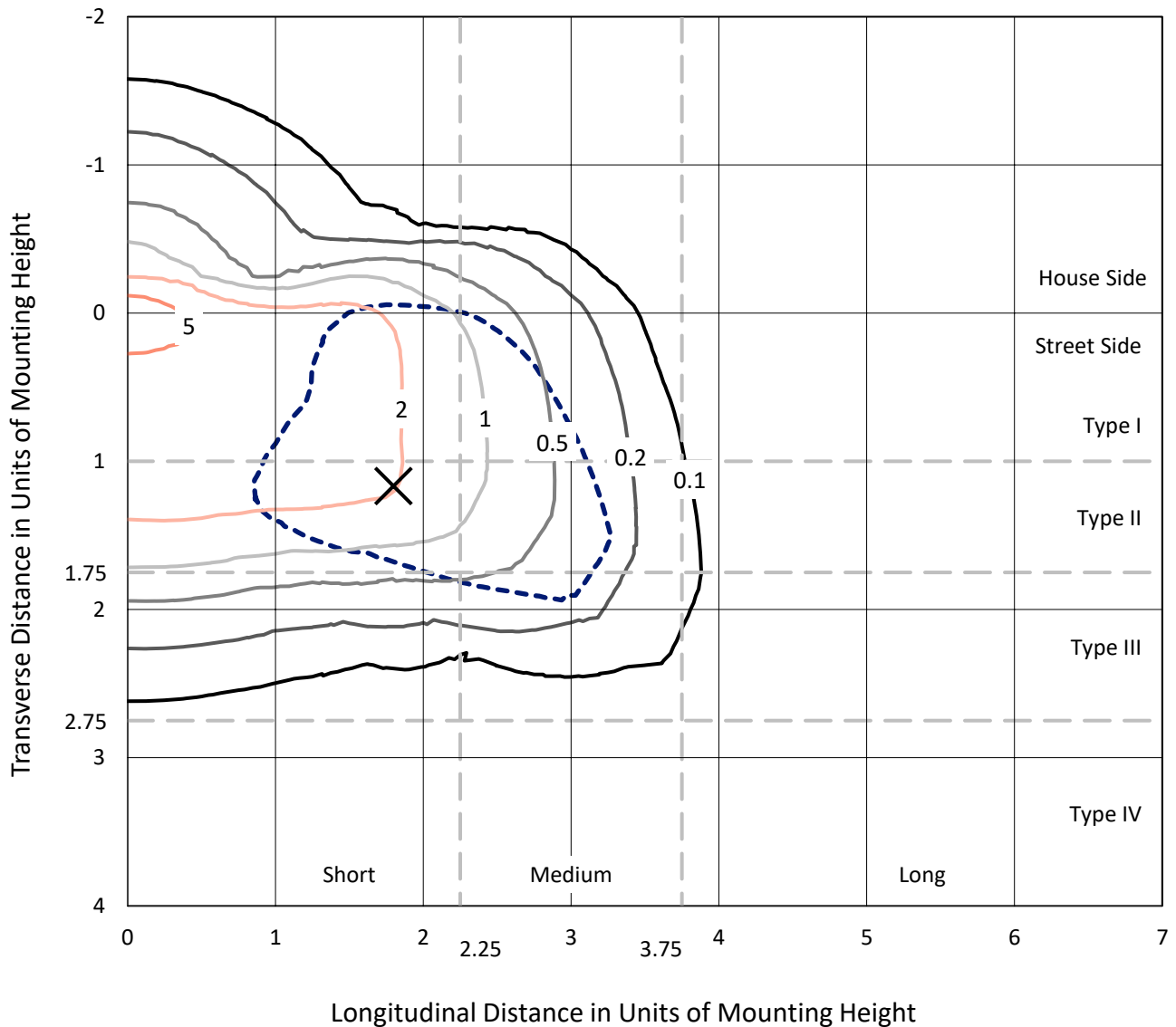
Lumens per Lamp: N/A
Luminaire Lumens: 11266.2 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 82.4
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

REPORT NUMBER: P480492
 CATALOG NUMBER: IFLD-S-SA2B-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

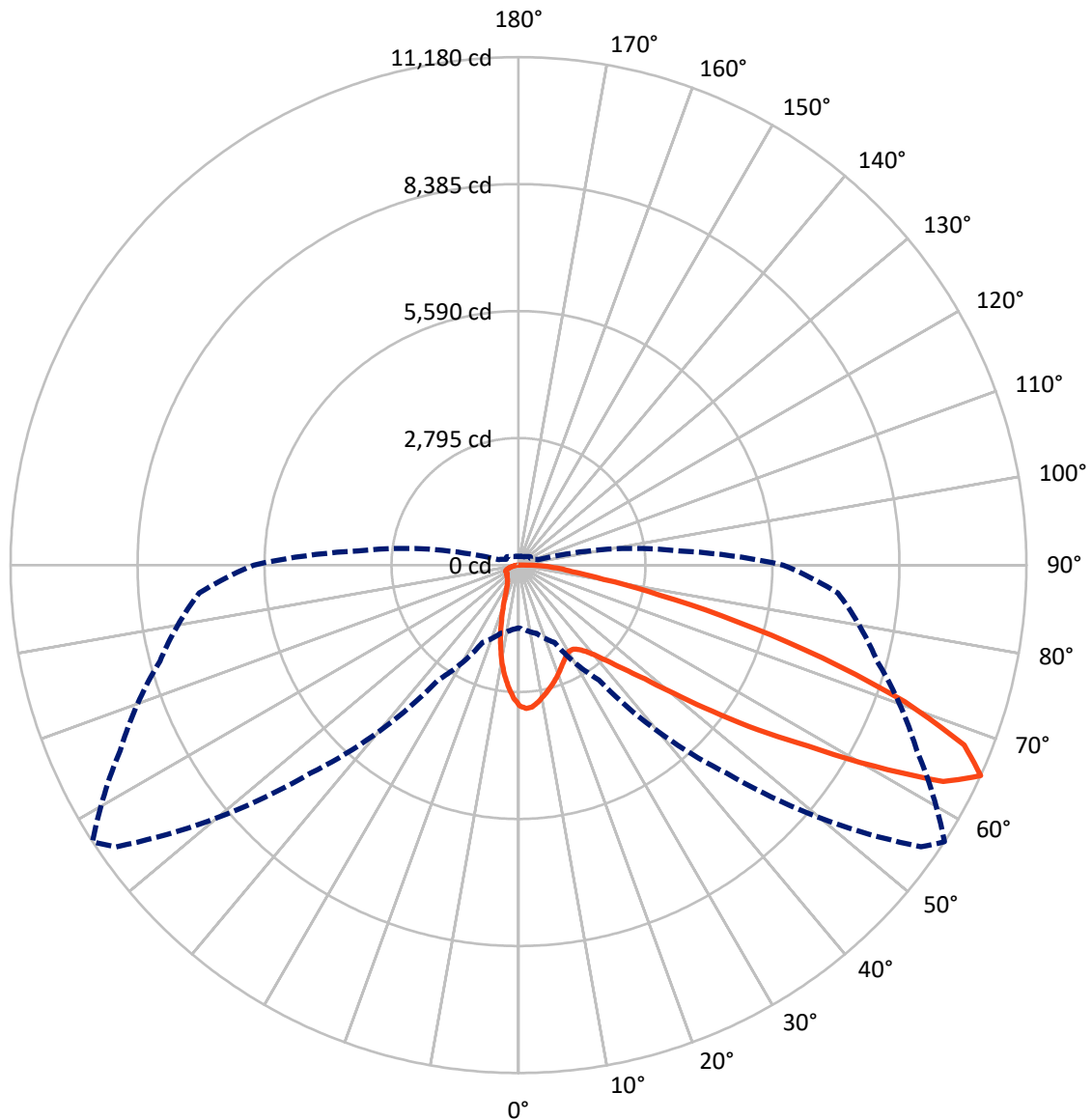
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

REPORT NUMBER: P480492
CATALOG NUMBER: IFLD-S-SA2B-740-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P480492

CATALOG NUMBER: IFLD-S-SA2B-740-U-SL3

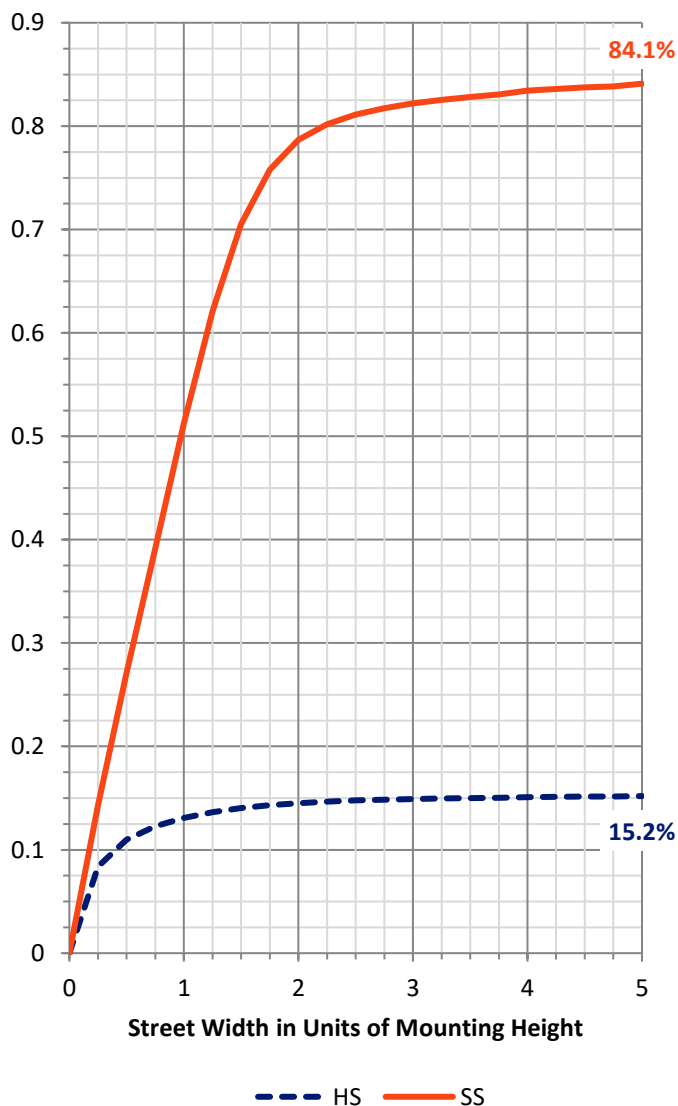
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1727.8	0.0	1727.8
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	9538.4	0.0	9538.4
	% Fixture	84.7	0.0	84.7
Total	Lumens	11266.2	0.0	11266.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.4	2.3
10°-20°	558.4	5.0
20°-30°	721.9	6.4
30°-40°	971.4	8.6
40°-50°	1549.0	13.7
50°-60°	2735.9	24.3
60°-70°	3009.9	26.7
70°-80°	1259.1	11.2
80°-90°	201.2	1.8
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°	11266.2	100.0
0°-180°	11266.2	100.0

Coefficient of Utilization



REPORT NUMBER: P480492

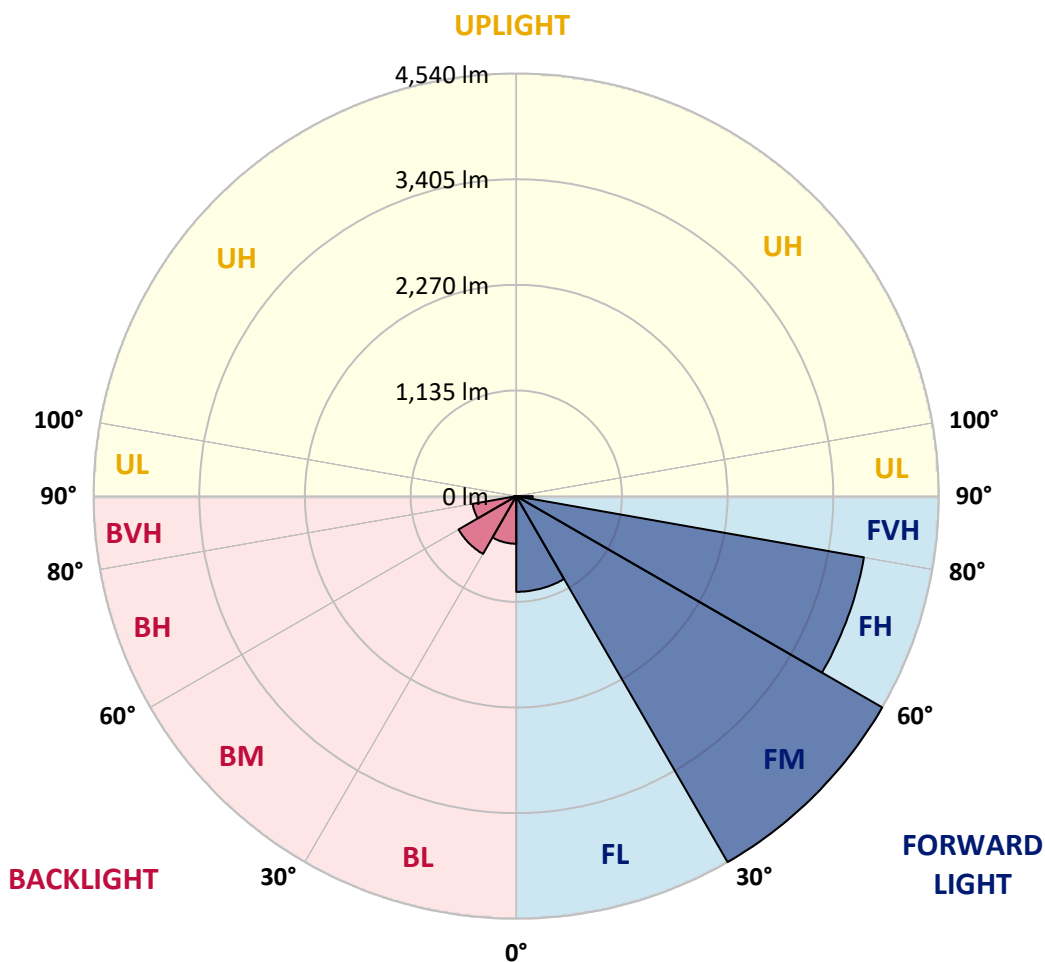
CATALOG NUMBER: IFLD-S-SA2B-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1028.0	9.1			
FM (30°-60°)	4540.3	40.3			
FH (60°-80°)	3792.5	33.7			G2/5000
FVH (80°-90°)	177.6	1.6			G2/225
BL (0°-30°)	511.7	4.5	B2/1000		
BM (30°-60°)	716.1	6.4	B1/1000		
BH (60°-80°)	476.4	4.2	B1/500		G1/500
BVH (80°-90°)	23.6	0.2			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 III Short





REPORT NUMBER: P480492

CATALOG NUMBER: IFLD-S-SA2B-740-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0
2.5°	3181.7	3186.8	3186.8	3196.9	3162.7	3179.2	3176.6	3161.4	3166.5	3139.9	3113.3
5°	3091.7	3087.9	3108.2	3110.7	3137.3	3144.9	3151.3	3141.1	3143.7	3085.4	3060.0
7.5°	2861.0	2859.7	2894.0	2923.1	2978.9	3030.9	3065.1	3054.9	3068.9	3032.1	2972.6
10°	2587.2	2616.4	2651.8	2681.0	2783.7	2849.6	2938.3	2947.2	3000.4	2991.6	2883.8
12.5°	2381.8	2394.5	2421.1	2504.8	2598.6	2707.6	2834.4	2845.8	2897.8	2923.1	2829.3
15°	2213.3	2224.7	2258.9	2321.0	2426.2	2555.5	2716.5	2745.7	2849.6	2858.5	2758.3
17.5°	2090.3	2099.2	2122.0	2184.1	2270.3	2436.4	2588.5	2640.4	2777.3	2820.4	2684.8
20°	2042.1	2023.1	2035.8	2075.1	2161.3	2289.3	2485.8	2531.4	2706.4	2791.3	2615.1
22.5°	2020.6	2004.1	2011.7	2009.2	2077.6	2168.9	2375.5	2423.7	2639.2	2757.1	2553.0
25°	2037.1	2037.1	2029.4	2023.1	2030.7	2090.3	2256.4	2331.1	2549.2	2727.9	2489.6
27.5°	2125.8	2091.6	2095.4	2068.7	2061.1	2061.1	2203.1	2247.5	2520.0	2711.4	2437.6
30°	2182.8	2199.3	2200.6	2161.3	2122.0	2051.0	2153.7	2196.8	2495.9	2731.7	2407.2
32.5°	2328.6	2321.0	2299.5	2291.8	2233.5	2153.7	2177.8	2206.9	2482.0	2777.3	2416.1
35°	2474.4	2470.6	2471.8	2468.0	2407.2	2289.3	2242.4	2281.7	2507.3	2857.2	2446.5
37.5°	2625.2	2635.4	2678.5	2678.5	2613.8	2485.8	2423.7	2412.3	2599.9	2987.8	2518.7
40°	2776.1	2801.4	2855.9	2942.1	2850.9	2731.7	2631.6	2613.8	2711.4	3162.7	2692.4
42.5°	2920.6	2962.4	3070.2	3198.2	3167.8	3048.6	2915.5	2895.2	2940.9	3422.6	2934.5
45°	3105.7	3141.1	3311.0	3507.5	3549.3	3444.1	3288.2	3271.7	3269.2	3802.8	3267.9
47.5°	3387.1	3425.1	3595.0	3792.7	3922.0	3938.5	3763.5	3745.8	3685.0	4316.2	3755.9
50°	3739.5	3801.6	3944.8	4175.5	4363.1	4539.3	4489.9	4437.9	4318.8	4913.3	4374.5
52.5°	3996.8	4072.8	4266.8	4562.1	4893.0	5173.1	5350.6	5350.6	5076.8	5568.6	5118.6
55°	4065.2	4110.9	4355.5	4782.7	5349.3	6057.9	6429.3	6401.4	5979.3	6258.2	5984.4
57.5°	3792.7	3852.3	4148.9	4596.4	5588.9	6885.7	7500.5	7506.8	6965.5	7059.3	6838.8
60°	3042.3	3061.3	3411.1	4009.5	5358.2	7552.4	8963.3	8987.4	8087.4	7773.0	7273.6
62.5°	2103.0	2163.8	2427.5	2952.3	4439.2	7477.7	10374.2	10493.3	8986.1	8149.5	7342.0
65°	1384.2	1421.0	1561.7	1881.1	3090.4	6481.3	10812.7	11180.4	9673.2	8171.0	7055.5
67.5°	1004.0	1010.3	1052.1	1216.9	1857.1	4661.0	10063.6	10582.0	9930.5	7991.0	6383.7
70°	811.3	816.3	831.6	936.8	1199.2	2916.8	8207.8	9020.3	9158.5	7137.9	5141.4
72.5°	659.2	665.5	684.5	783.4	988.7	1622.5	6002.2	6992.2	7449.8	5280.9	3417.5
75°	518.5	523.5	569.2	666.8	929.2	1114.2	3981.6	4951.3	5013.4	3086.6	1599.7
77.5°	354.9	363.8	419.6	565.4	874.7	974.8	2482.0	3171.6	2845.8	1208.0	550.1
80°	225.6	238.3	271.3	428.5	773.2	930.4	1544.0	1893.8	1246.1	413.2	264.9
82.5°	133.1	145.8	178.7	277.6	607.2	863.2	1087.6	1185.2	584.4	211.7	159.7
85°	73.5	82.4	107.7	167.3	356.2	766.9	870.9	850.6	334.7	112.8	100.1
87.5°	24.1	27.9	39.3	67.2	147.0	361.3	522.3	490.6	173.7	52.0	39.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P480492
 CATALOG NUMBER: IFLD-S-SA2B-740-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0
2.5°	3095.5	3091.7	3034.7	2991.6	2918.0	2857.2	2833.1	2800.2	2798.9	2774.8	2768.5
5°	3020.7	2981.4	2894.0	2810.3	2679.7	2592.3	2512.4	2456.6	2433.8	2384.4	2373.0
7.5°	2924.4	2872.4	2738.0	2580.9	2427.5	2290.6	2166.4	2042.1	1972.4	1948.3	1921.7
10°	2824.2	2733.0	2534.0	2357.8	2143.5	1933.1	1737.9	1563.0	1467.9	1400.7	1371.6
12.5°	2744.4	2622.7	2369.2	2105.5	1822.8	1541.4	1314.5	1130.7	1023.0	972.3	949.4
15°	2654.4	2493.4	2189.2	1855.8	1503.4	1184.0	962.1	817.6	774.5	750.4	746.6
17.5°	2559.3	2373.0	1994.0	1609.9	1191.6	891.1	747.9	689.6	670.6	660.4	655.4
20°	2470.6	2265.2	1793.7	1336.1	933.0	714.9	647.8	617.3	616.1	621.1	619.9
22.5°	2345.1	2124.5	1595.9	1082.5	745.4	622.4	579.3	571.7	579.3	585.6	588.2
25°	2274.1	2009.2	1375.4	859.4	616.1	552.7	538.7	536.2	547.6	555.2	553.9
27.5°	2200.6	1890.0	1170.0	688.3	540.0	503.2	500.7	503.2	514.7	526.1	524.8
30°	2143.5	1794.9	977.3	575.5	481.7	467.7	465.2	467.7	474.1	475.4	475.4
32.5°	2096.6	1682.1	813.8	499.4	446.2	434.8	437.3	436.1	437.3	438.6	439.9
35°	2068.7	1614.9	679.4	452.5	417.0	408.2	406.9	403.1	404.4	405.6	404.4
37.5°	2128.3	1582.0	573.0	419.6	396.8	389.2	386.6	384.1	380.3	380.3	380.3
40°	2218.3	1564.2	508.3	398.0	381.6	372.7	365.1	362.5	362.5	363.8	365.1
42.5°	2397.1	1593.4	463.9	381.6	362.5	352.4	344.8	346.1	349.9	353.7	351.1
45°	2655.7	1682.1	443.7	368.9	351.1	337.2	332.1	330.8	334.7	341.0	346.1
47.5°	2994.1	1820.3	436.1	357.5	343.5	324.5	318.2	322.0	327.0	335.9	332.1
50°	3548.1	2130.9	442.4	347.3	332.1	318.2	310.6	306.8	310.6	316.9	319.4
52.5°	4271.9	2694.9	466.5	342.3	324.5	313.1	300.4	294.1	297.9	303.0	303.0
55°	5137.6	3465.7	533.7	335.9	311.8	305.5	291.6	278.9	281.4	281.4	280.1
57.5°	5900.7	4047.5	613.5	327.0	304.2	295.4	277.6	262.4	259.9	261.1	262.4
60°	6243.0	4202.1	651.6	324.5	304.2	282.7	258.6	243.4	239.6	237.0	237.0
62.5°	6183.4	3934.7	574.2	313.1	311.8	272.5	240.8	224.4	219.3	214.2	215.5
65°	5823.4	3553.1	452.5	297.9	313.1	266.2	223.1	206.6	197.7	191.4	190.1
67.5°	5165.5	3033.4	358.7	286.5	300.4	254.8	207.9	188.9	181.3	174.9	172.4
70°	4041.2	2378.0	311.8	271.3	270.0	226.9	190.1	173.7	162.3	154.6	154.6
72.5°	2620.2	1503.4	267.5	240.8	233.2	190.1	164.8	154.6	145.8	139.4	139.4
75°	1186.5	698.5	215.5	201.6	190.1	152.1	139.4	134.4	126.8	120.4	120.4
77.5°	425.9	297.9	161.0	158.5	142.0	117.9	112.8	109.0	103.9	97.6	97.6
80°	238.3	188.9	120.4	115.4	98.9	87.5	81.1	81.1	78.6	74.8	73.5
82.5°	150.8	123.0	88.7	77.3	64.6	58.3	55.8	54.5	53.2	48.2	46.9
85°	95.1	83.7	58.3	45.6	38.0	29.2	27.9	26.6	24.1	21.5	21.5
87.5°	43.1	48.2	22.8	13.9	10.1	6.3	3.8	1.3	0.0	0.0	0.0
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)