

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: P480922

Luminaire Tested: **IFLD-S-SA2C-750-U-SL4**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480922
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-750-U-SL4
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

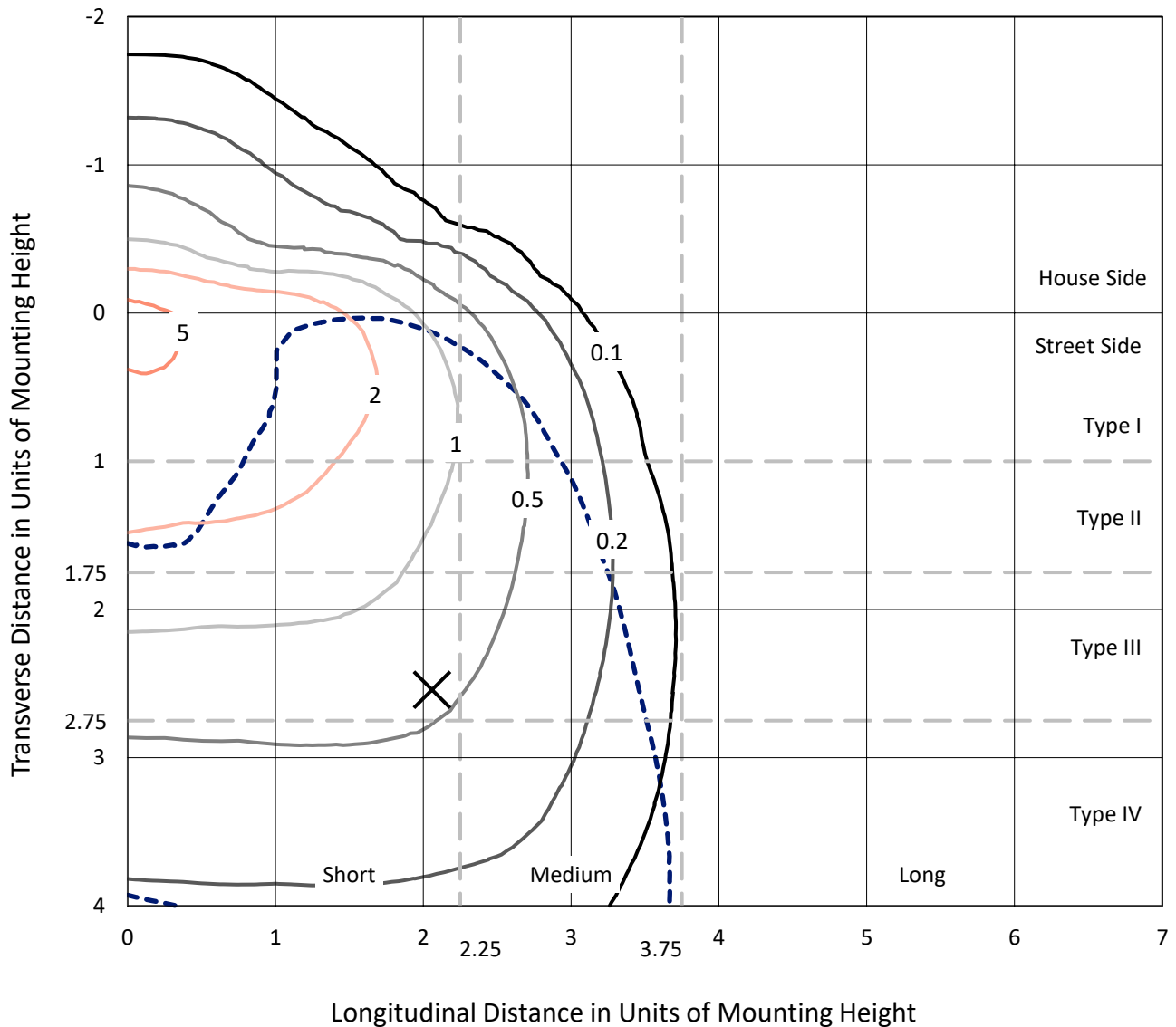
Lumens per Lamp: N/A
Luminaire Lumens: 14063.2 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 108.2
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: P480922
 CATALOG NUMBER: IFLD-S-SA2C-750-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

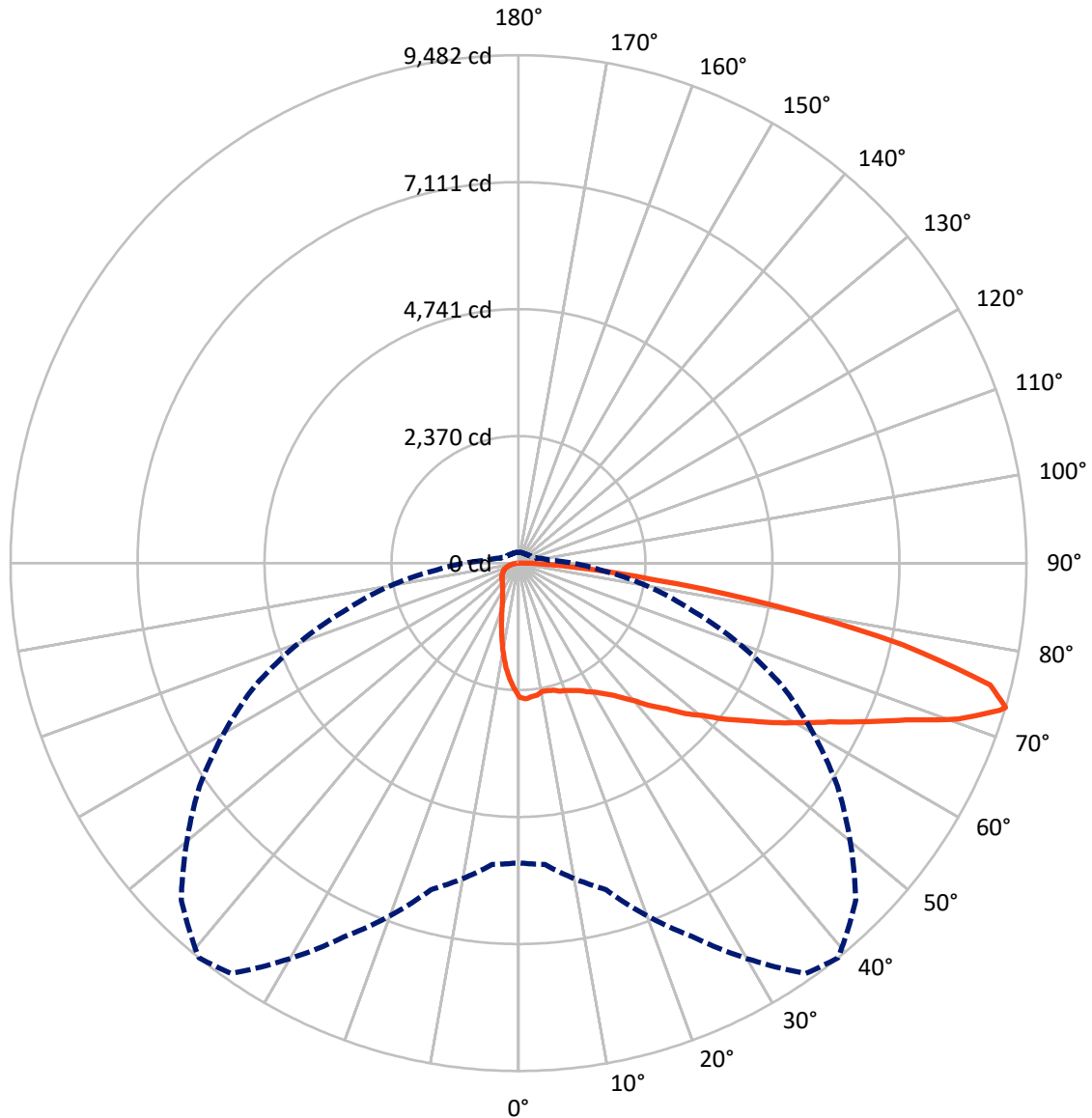
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P480922
CATALOG NUMBER: IFLD-S-SA2C-750-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P480922
 CATALOG NUMBER: IFLD-S-SA2C-750-U-SL4

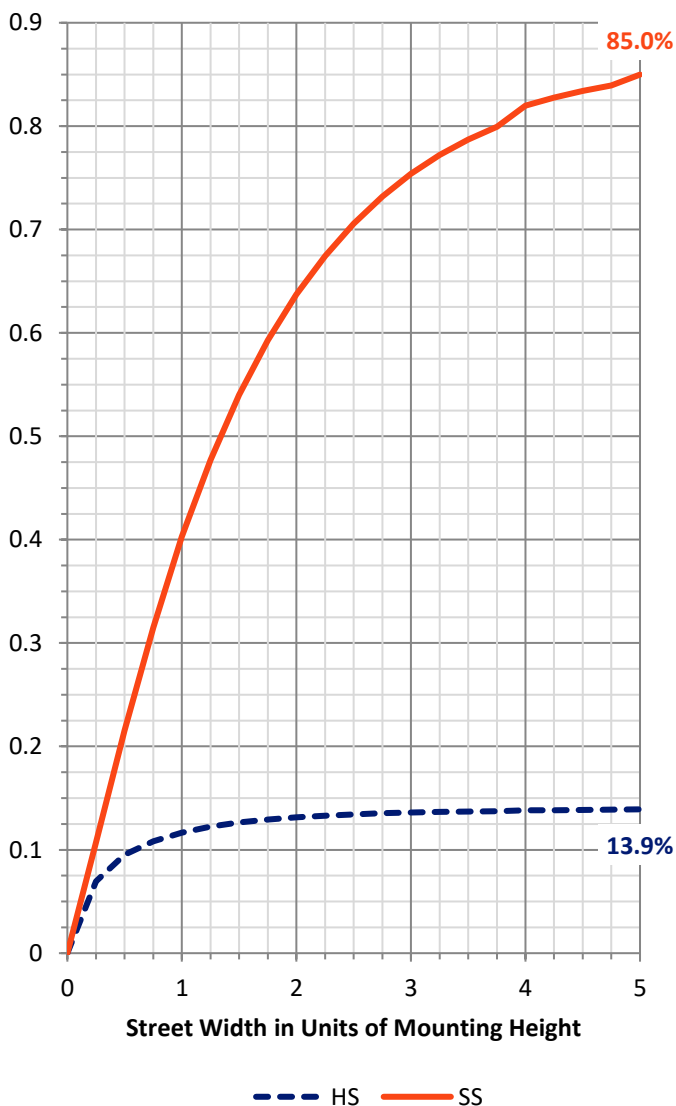
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1976.9	0.0	1976.9
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	12086.3	0.0	12086.3
	% Fixture	85.9	0.0	85.9
Total	Lumens	14063.2	0.0	14063.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.3	1.5
10°-20°	552.4	3.9
20°-30°	844.2	6.0
30°-40°	1230.8	8.8
40°-50°	1859.9	13.2
50°-60°	2693.3	19.2
60°-70°	3421.9	24.3
70°-80°	2774.0	19.7
80°-90°	469.3	3.3
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°	14063.2	100.0
0°-180°	14063.2	100.0

Coefficient of Utilization



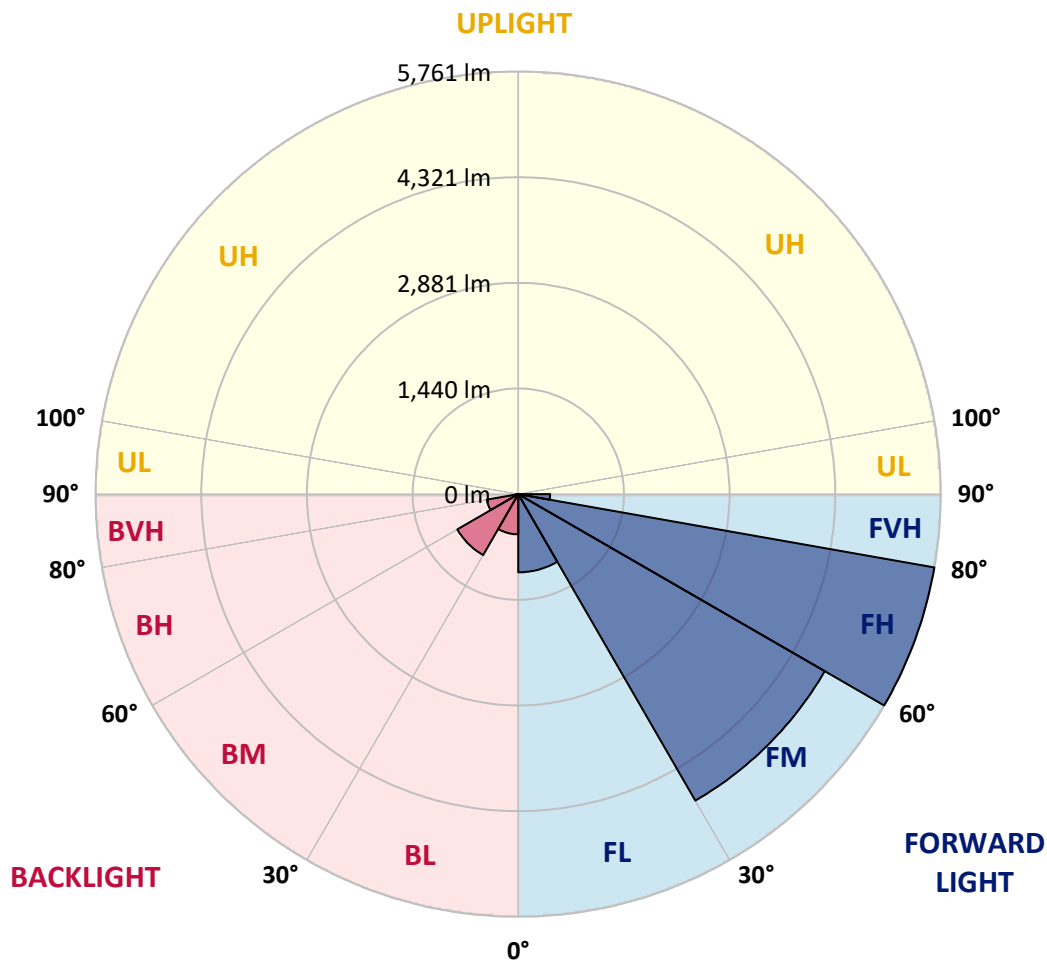
REPORT NUMBER: P480922
 CATALOG NUMBER: IFLD-S-SA2C-750-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.7	7.6			
FM (30°-60°)	4824.6	34.3			
FH (60°-80°)	5761.1	41.0			G3/7500
FVH (80°-90°)	434.9	3.1			G3/500
BL (0°-30°)	548.2	3.9	B2/1000		
BM (30°-60°)	959.4	6.8	B1/1000		
BH (60°-80°)	434.8	3.1	B1/500		G1/500
BVH (80°-90°)	34.4	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-G3

Type IV Short





REPORT NUMBER: P480922
 CATALOG NUMBER: IFLD-S-SA2C-750-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3
2.5°	2563.1	2536.4	2541.1	2531.7	2541.1	2537.9	2533.2	2509.6	2533.2	2509.6	2503.3
5°	2528.5	2528.5	2544.2	2520.6	2523.8	2508.1	2523.8	2506.5	2490.7	2451.4	2440.4
7.5°	2517.5	2515.9	2517.5	2484.4	2500.2	2490.7	2475.0	2456.1	2424.7	2399.5	2363.3
10°	2442.0	2457.7	2440.4	2449.8	2462.4	2434.1	2432.5	2427.8	2413.6	2380.6	2358.6
12.5°	2401.1	2427.8	2437.2	2429.4	2440.4	2443.5	2434.1	2427.8	2410.5	2388.5	2325.5
15°	2418.4	2386.9	2413.6	2465.6	2454.6	2462.4	2464.0	2457.7	2449.8	2408.9	2368.0
17.5°	2423.1	2404.2	2460.8	2471.9	2486.0	2514.3	2495.5	2493.9	2464.0	2435.7	2375.9
20°	2434.1	2426.2	2471.9	2530.1	2531.7	2536.4	2545.8	2522.2	2506.5	2457.7	2366.4
22.5°	2475.0	2501.8	2544.2	2569.4	2583.6	2586.7	2586.7	2539.5	2522.2	2482.9	2410.5
25°	2597.7	2569.4	2629.2	2659.1	2638.6	2633.9	2622.9	2580.4	2561.5	2526.9	2431.0
27.5°	2687.4	2685.8	2720.5	2761.4	2706.3	2717.3	2678.0	2665.4	2622.9	2604.0	2467.1
30°	2810.1	2844.8	2843.2	2855.8	2783.4	2796.0	2745.6	2722.0	2698.4	2709.5	2574.1
32.5°	2967.5	2954.9	2975.4	2965.9	2893.5	2904.6	2844.8	2808.6	2816.4	2849.5	2720.5
35°	3068.2	3055.6	3063.5	3063.5	3041.4	3028.9	3003.7	2956.5	2994.2	3055.6	2884.1
37.5°	3176.8	3192.5	3238.1	3228.7	3200.4	3200.4	3197.2	3164.2	3212.9	3364.0	3145.3
40°	3272.7	3315.2	3343.5	3362.4	3395.5	3395.5	3422.2	3403.3	3491.4	3733.8	3464.7
42.5°	3373.4	3375.0	3529.2	3543.4	3617.3	3648.8	3669.2	3685.0	3850.2	4120.8	3806.1
45°	3502.5	3510.3	3645.6	3754.2	3869.1	3880.1	3957.2	4009.1	4212.1	4544.1	4177.5
47.5°	3672.4	3663.0	3807.7	3980.8	4124.0	4199.5	4292.3	4349.0	4599.1	5003.5	4583.4
50°	3895.8	3867.5	3950.9	4223.1	4391.4	4474.8	4640.1	4734.5	5027.1	5442.5	4861.9
52.5°	4168.0	4120.8	4186.9	4484.3	4673.1	4841.5	4998.8	5104.2	5409.5	5782.4	5068.0
55°	4456.0	4358.4	4377.3	4761.2	5033.4	5192.3	5407.9	5518.0	5829.6	6087.6	5274.1
57.5°	4740.8	4679.4	4641.6	5027.1	5463.0	5615.6	5813.8	5957.0	6221.4	6358.2	5448.8
60°	4979.9	4964.2	4902.8	5439.4	5917.7	6048.3	6256.0	6344.1	6543.9	6608.4	5451.9
62.5°	5176.6	5123.1	5220.6	5771.3	6380.3	6528.2	6756.3	6764.2	6905.8	6764.2	5291.5
65°	5330.8	5333.9	5489.7	6172.6	6915.2	7133.9	7318.0	7297.6	7206.3	6671.4	4912.3
67.5°	5470.8	5530.6	5758.8	6613.1	7602.8	7808.9	8013.5	7742.9	7288.1	6237.1	4171.2
70°	5581.0	5640.8	6122.2	7149.7	8413.1	8715.2	8760.9	7919.1	6912.1	5283.6	3146.9
72.5°	5568.4	5676.9	6328.3	7577.6	9132.2	9393.4	9025.2	7423.5	5758.8	3683.4	1836.2
73°	5595.1	5648.6	6311.0	7697.2	9350.9	9481.5	8902.5	7267.7	5431.5	3304.2	1553.0
75°	5079.0	5260.0	5997.9	7502.1	9116.5	9092.9	8197.6	6056.1	3861.2	1735.5	752.1
77.5°	3757.4	3872.2	4726.6	6169.4	7483.2	7332.2	6183.6	3870.6	1833.0	643.5	405.9
80°	1836.2	1925.9	2504.9	3562.3	4893.4	4906.0	3837.6	2014.0	785.1	363.5	276.9
82.5°	917.3	970.8	1203.7	1565.6	2407.4	2522.2	1946.3	1145.5	486.2	206.1	157.3
85°	599.5	637.2	741.1	766.3	1021.2	1077.8	906.3	893.7	316.3	111.7	127.4
87.5°	398.1	404.4	454.7	387.1	409.1	393.4	437.4	563.3	92.8	47.2	34.6
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: P480922
 CATALOG NUMBER: IFLD-S-SA2C-750-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3	2503.3
2.5°	2495.5	2473.4	2449.8	2416.8	2393.2	2357.0	2324.0	2309.8	2306.7	2308.2	2292.5
5°	2431.0	2399.5	2352.3	2284.6	2245.3	2185.5	2135.1	2108.4	2080.1	2084.8	2072.2
7.5°	2341.3	2306.7	2234.3	2155.6	2058.0	1973.1	1925.9	1859.8	1822.0	1793.7	1809.4
10°	2312.9	2253.2	2144.6	2036.0	1885.0	1773.3	1664.7	1589.2	1537.2	1486.9	1508.9
12.5°	2298.8	2239.0	2087.9	1927.5	1732.3	1562.4	1409.8	1317.0	1243.0	1199.0	1216.3
15°	2286.2	2212.2	2034.4	1807.9	1589.2	1365.7	1194.2	1071.5	1000.7	958.2	962.9
17.5°	2303.5	2198.1	1955.8	1691.4	1431.8	1192.7	1002.3	874.8	802.5	775.7	769.4
20°	2286.2	2182.4	1878.7	1575.0	1274.5	1027.5	844.9	739.5	689.2	667.1	662.4
22.5°	2292.5	2144.6	1798.4	1446.0	1128.2	889.0	739.5	659.3	619.9	608.9	612.1
25°	2322.4	2122.6	1718.2	1304.4	983.4	786.7	671.9	610.5	582.2	571.2	574.3
27.5°	2344.4	2141.4	1645.8	1170.6	860.7	695.5	615.2	574.3	555.4	547.6	546.0
30°	2399.5	2152.5	1575.0	1051.1	760.0	635.7	575.9	542.8	530.2	525.5	524.0
32.5°	2481.3	2172.9	1493.2	940.9	686.0	579.0	544.4	516.1	512.9	508.2	509.8
35°	2615.0	2243.7	1401.9	846.5	615.2	541.3	511.4	492.5	492.5	492.5	497.2
37.5°	2807.0	2342.8	1320.1	756.8	569.6	508.2	483.0	476.7	473.6	478.3	481.5
40°	3054.0	2462.4	1254.0	686.0	530.2	486.2	464.2	461.0	459.4	457.9	461.0
42.5°	3324.7	2615.0	1197.4	630.9	501.9	462.6	446.9	443.7	437.4	440.6	445.3
45°	3593.7	2803.9	1147.0	586.9	483.0	450.0	428.0	426.4	423.3	421.7	429.5
47.5°	3892.7	2989.5	1131.3	560.1	468.9	431.1	415.4	413.8	404.4	402.8	409.1
50°	4125.5	3126.4	1148.6	547.6	448.4	417.0	405.9	398.1	390.2	382.3	382.3
52.5°	4286.0	3220.8	1161.2	538.1	437.4	398.1	383.9	380.8	372.9	365.0	361.9
55°	4430.8	3277.5	1164.3	539.7	426.4	376.1	366.6	365.0	360.3	347.7	344.6
57.5°	4479.6	3253.9	1101.4	525.5	420.1	361.9	349.3	352.4	346.2	335.1	333.6
60°	4474.8	3090.2	958.2	506.6	405.9	346.2	330.4	339.9	339.9	327.3	325.7
62.5°	4202.6	2712.6	783.6	470.5	390.2	330.4	313.1	327.3	332.0	324.1	322.6
65°	3637.8	2209.1	654.5	434.3	366.6	313.1	295.8	311.5	319.4	316.3	314.7
67.5°	3010.0	1689.9	544.4	387.1	336.7	289.5	275.4	286.4	291.1	292.7	294.2
70°	2127.3	1125.0	454.7	335.1	295.8	264.3	248.6	250.2	248.6	253.3	253.3
72.5°	1156.5	648.3	369.8	284.8	254.9	229.7	218.7	210.8	210.8	209.3	209.3
73°	989.7	582.2	352.4	276.9	243.9	223.4	210.8	204.5	204.5	203.0	201.4
75°	555.4	426.4	302.1	237.6	210.8	195.1	185.7	176.2	174.7	174.7	174.7
77.5°	365.0	332.0	240.7	190.4	169.9	155.8	152.6	143.2	143.2	143.2	141.6
80°	273.8	261.2	185.7	144.8	130.6	119.6	116.4	110.1	108.6	102.3	103.8
82.5°	182.5	206.1	135.3	102.3	88.1	81.8	81.8	80.2	75.5	67.7	67.7
85°	144.8	168.4	97.6	62.9	51.9	44.1	45.6	44.1	42.5	34.6	33.0
87.5°	26.7	67.7	28.3	17.3	12.6	7.9	7.9	4.7	3.1	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)