

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: P478173

Luminaire Tested: **IFLD-S-SA6C-740-U-T4FT**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P478173  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-740-U-T4FT  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

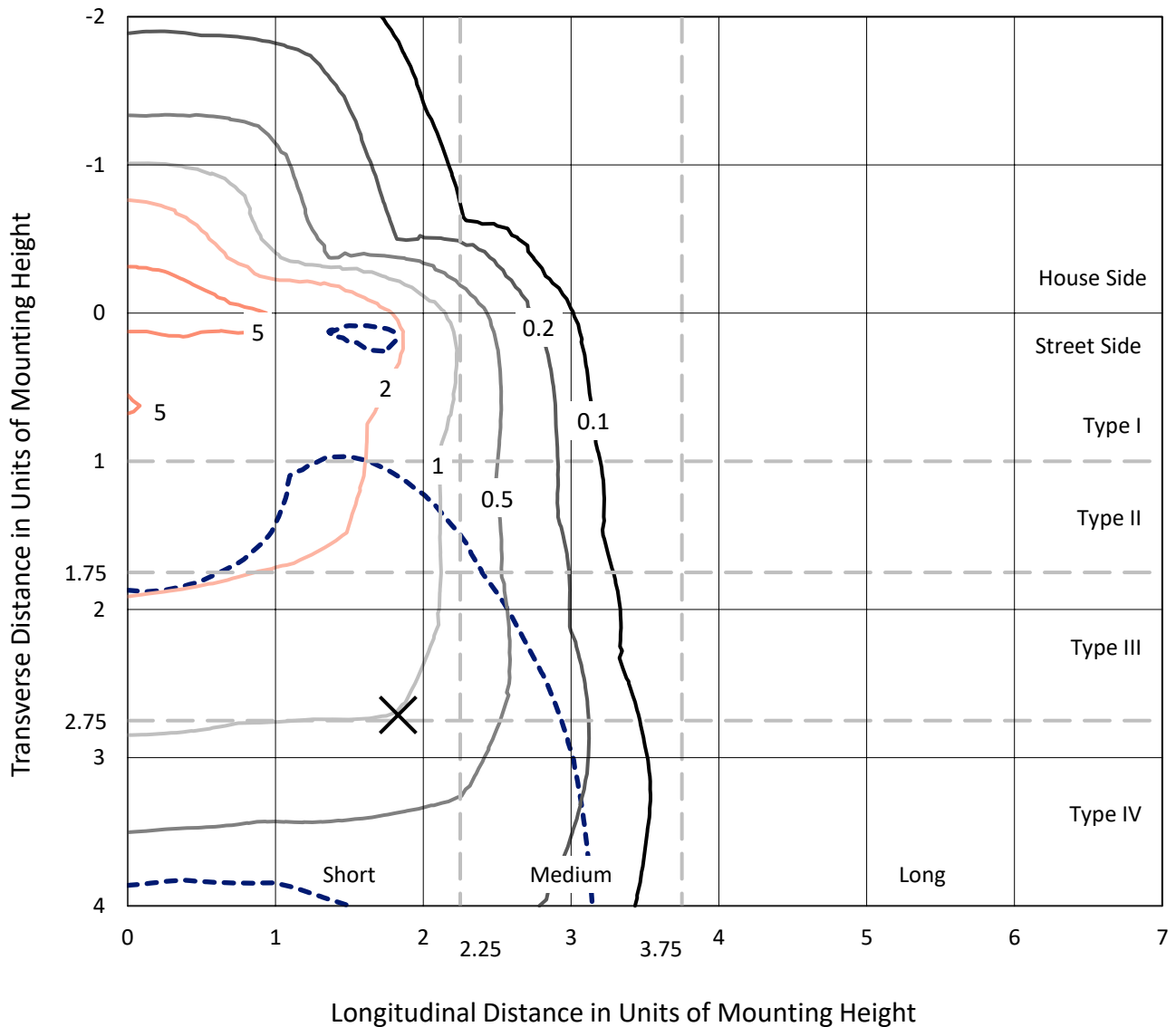
Lumens per Lamp: N/A  
Luminaire Lumens: 42569.5 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5  
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

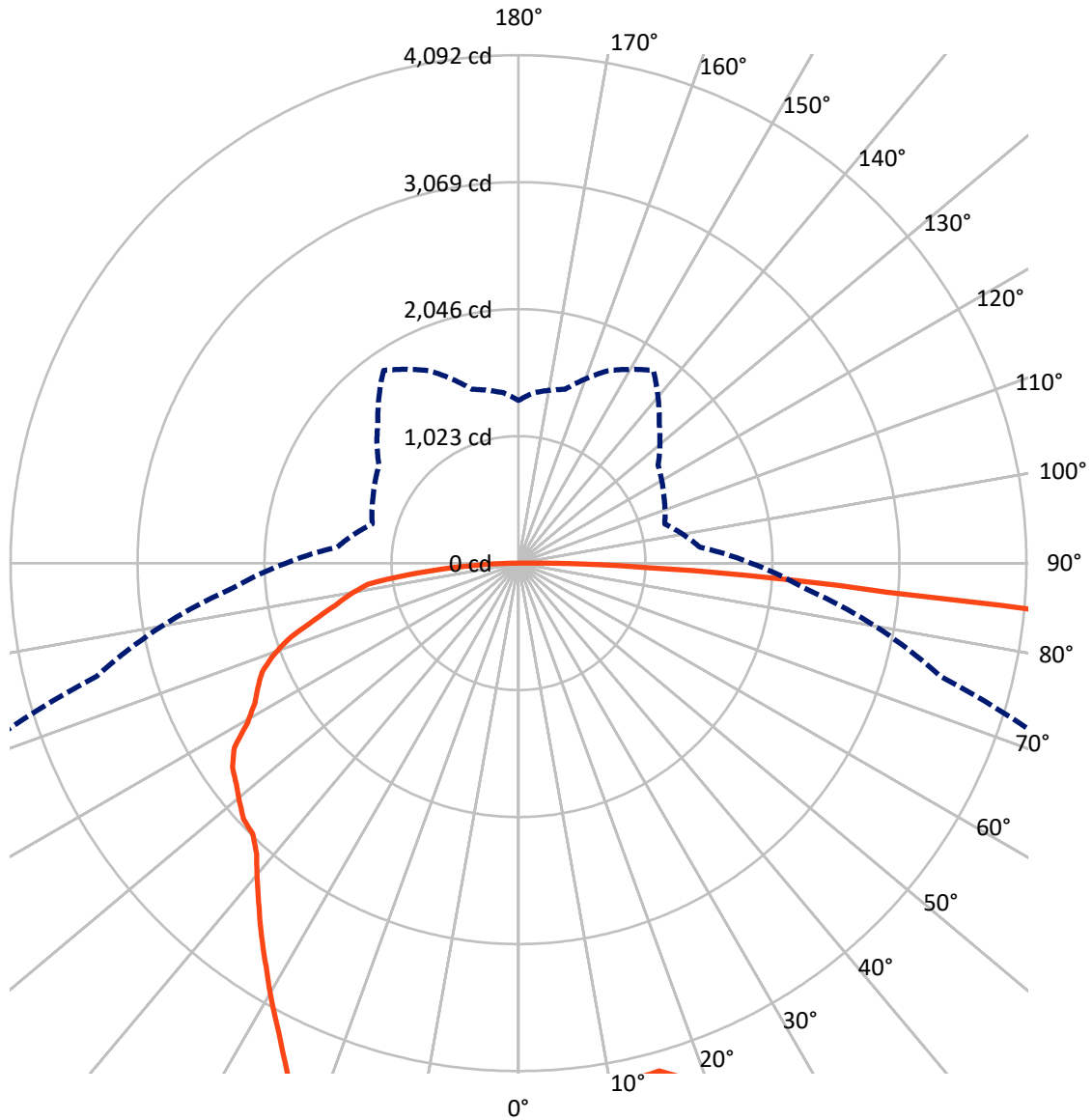
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9195.5	0.0	9195.5
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	33373.9	0.0	33373.9
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	42569.5	0.0	42569.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	563.3	1.3
10°-20°	1576.4	3.7
20°-30°	2594.5	6.1
30°-40°	3880.0	9.1
40°-50°	5752.0	13.5
50°-60°	8289.2	19.5
60°-70°	10578.2	24.8
70°-80°	8231.6	19.3
80°-90°	1104.3	2.6
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°	42569.5	100.0
0°-180°	42569.5	100.0

**Coefficient of Utilization**

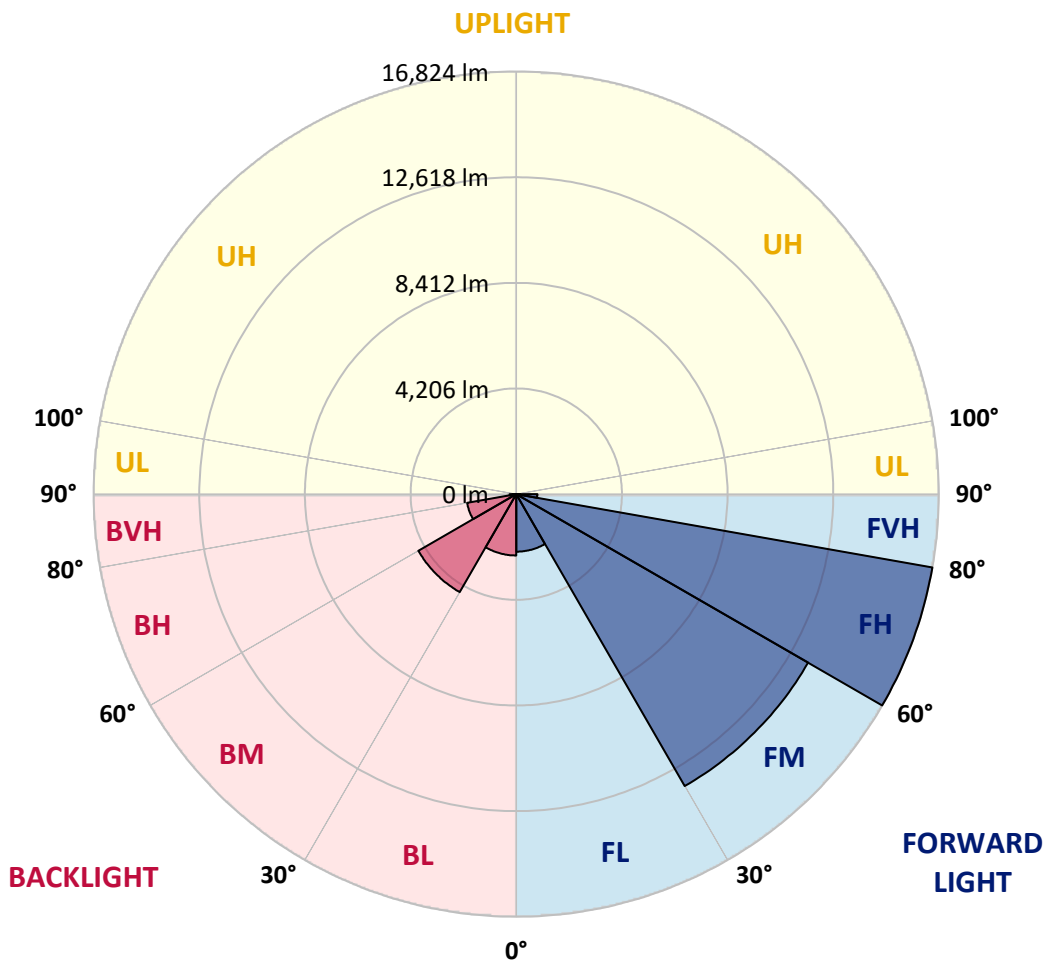


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 CATALOG NUMBER: IFLD-S-SA6C-740-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2291.0	5.4			
FM (30°-60°)	13418.2	31.5			
FH (60°-80°)	16824.2	39.5			G5
FVH (80°-90°)	840.6	2.0			G5
BL (0°-30°)	2443.2	5.7	B3/2500		
BM (30°-60°)	4503.1	10.6	B3/5000		
BH (60°-80°)	1985.5	4.7	B3/2500		G3/2500
BVH (80°-90°)	263.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0
2.5°	5468.4	5486.4	5544.9	5558.4	5621.4	5585.4	5661.9	5797.0	5873.5	5986.0	6121.0
5°	5036.3	4959.8	4995.8	5135.3	5207.4	5225.4	5306.4	5535.9	5679.9	5846.5	6098.5
7.5°	4527.7	4514.2	4586.3	4676.3	4820.3	4833.8	5013.8	5216.4	5513.4	5882.5	6179.5
10°	4181.2	4239.7	4280.2	4374.7	4473.7	4473.7	4703.3	5054.3	5391.9	5747.4	6197.5
12.5°	4163.2	4127.2	4136.2	4185.7	4257.7	4347.7	4563.8	4878.8	5306.4	5720.4	6274.0
15°	4221.7	4235.2	4154.2	4217.2	4244.2	4275.7	4514.2	4869.8	5252.4	5815.0	6404.6
17.5°	4532.2	4455.7	4329.7	4271.2	4365.7	4365.7	4527.7	4806.8	5261.4	5864.5	6593.6
20°	4775.3	4775.3	4568.3	4505.2	4572.8	4559.2	4671.8	4878.8	5306.4	5963.5	6805.1
22.5°	5184.9	5243.4	4901.3	4770.8	4766.3	4802.3	4901.3	5076.8	5432.4	6103.0	7007.7
25°	5774.4	5788.0	5391.9	5256.9	5112.8	5171.4	5189.4	5364.9	5544.9	6265.0	7237.2
27.5°	6431.6	6422.6	6058.0	5720.4	5625.9	5639.4	5540.4	5657.4	5711.4	6314.5	7565.7
30°	7160.7	7079.7	6805.1	6328.0	6251.5	6166.0	5950.0	5945.5	6058.0	6593.6	8020.3
32.5°	7637.8	7534.2	7345.2	7003.2	6791.6	6800.6	6458.6	6454.1	6355.0	6899.6	8416.4
35°	8105.8	7948.3	7898.8	7547.7	7336.2	7358.7	7084.2	7048.2	6868.1	7363.2	9069.0
37.5°	8668.4	8528.9	8605.4	8339.9	8078.8	7970.8	7844.8	7799.8	7565.7	8015.8	9960.1
40°	9289.5	9244.5	9195.0	9064.5	8907.0	8916.0	8780.9	8735.9	8389.4	8803.4	10815.3
42.5°	10126.7	9955.6	9699.1	9784.6	9865.6	9951.1	9906.1	9789.1	9429.1	9604.6	11769.4
45°	10905.3	10680.3	10207.7	10234.7	10567.7	10635.2	11179.8	11166.3	10441.7	10621.7	12854.1
47.5°	11431.9	11328.4	11044.8	11013.3	11490.4	11485.9	12467.1	12467.1	11508.4	11634.4	14019.8
50°	12215.0	11945.0	11823.4	11981.0	12224.0	12390.5	13781.3	13866.8	12557.1	12692.1	15545.6
52.5°	13133.2	12795.6	12489.6	12894.6	13326.7	13434.7	15082.0	15046.0	13362.7	13920.8	17332.4
55°	13893.8	13722.8	13511.2	13745.3	14451.9	14586.9	16387.2	16054.1	14168.3	14938.0	18192.0
57.5°	14780.4	14883.9	14929.0	14870.4	15712.1	15923.6	17876.9	16922.8	14861.4	15622.1	18696.1
60°	16117.2	16180.2	16238.7	16378.2	17269.3	17566.4	19056.1	18012.0	15298.0	16018.1	18736.6
62.5°	18151.5	17908.4	18039.0	18520.5	19236.2	19573.7	20793.4	18777.1	15631.1	16256.7	17413.4
65°	20478.4	20149.8	20014.8	20635.9	22490.2	22220.2	22962.8	19348.7	15149.5	15365.5	14766.9
67.5°	22836.8	22872.8	22526.2	23772.9	26045.8	26045.8	24979.1	19623.2	13844.3	12453.5	10356.2
70°	24709.1	24821.6	25010.6	27427.5	31028.1	31572.7	27477.0	18498.0	11184.3	8290.4	5661.9
72.5°	24682.1	24344.5	25312.2	29763.4	35555.8	35101.3	27999.1	14627.4	6980.6	4059.7	2596.9
73°	24128.5	23844.9	24902.6	29740.9	35740.4	35312.8	27616.5	13484.2	6157.0	3519.6	2308.9
75°	19704.2	19191.2	20991.5	26936.9	33066.9	33395.5	23462.4	8794.4	3375.6	2169.4	1624.8
77.5°	8983.5	9208.5	11553.4	18070.5	25483.2	25870.3	15424.0	3803.1	1849.8	1521.3	1197.2
80°	2885.0	3029.0	4496.2	8983.5	15973.1	16670.7	7129.2	1728.3	1318.7	1165.7	895.6
82.5°	1102.7	1098.2	1885.8	3735.6	7570.2	8015.8	2605.9	1053.2	981.2	859.6	634.6
85°	387.1	405.1	711.1	1476.2	2979.5	3119.0	904.6	585.1	679.6	576.1	364.6
87.5°	135.0	139.5	252.0	535.6	1026.2	1084.7	252.0	234.0	337.6	333.1	184.5
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°	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0	6103.0
2.5°	6166.0	6206.5	6220.0	6382.0	6382.0	6382.0	6445.1	6445.1	6427.1	6382.0	6490.1
5°	6193.0	6265.0	6404.6	6544.1	6580.1	6611.6	6697.1	6625.1	6652.1	6607.1	6647.6
7.5°	6269.5	6368.5	6629.6	6715.1	6656.6	6724.1	6634.1	6584.6	6535.1	6553.1	6490.1
10°	6400.1	6526.1	6647.6	6805.1	6692.6	6625.1	6440.6	6395.6	6238.0	6184.0	6233.5
12.5°	6562.1	6715.1	6922.1	6863.6	6647.6	6454.1	6256.0	6067.0	5972.5	5837.5	5873.5
15°	6724.1	6899.6	6931.1	6832.1	6562.1	6319.0	5959.0	5693.4	5598.9	5477.4	5540.4
17.5°	6899.6	7066.2	7012.2	6755.6	6391.1	6022.0	5612.4	5351.4	5153.3	5076.8	5076.8
20°	7160.7	7241.7	7156.2	6629.6	6184.0	5697.9	5301.9	5004.8	4806.8	4775.3	4725.8
22.5°	7363.2	7493.7	7111.2	6445.1	5882.5	5274.9	4820.3	4707.8	4649.3	4599.8	4536.7
25°	7624.3	7619.8	7030.2	6274.0	5364.9	4770.8	4496.2	4487.2	4460.2	4442.2	4527.7
27.5°	7871.8	7768.3	6935.6	5851.0	4829.3	4388.2	4239.7	4338.7	4379.2	4352.2	4388.2
30°	8263.4	8092.3	6800.6	5400.9	4356.7	4001.2	4028.2	4163.2	4230.7	4271.2	4217.2
32.5°	8677.4	8416.4	6521.6	4932.8	3938.1	3758.1	3821.1	3960.7	4041.7	4086.7	4136.2
35°	9276.0	8668.4	6238.0	4320.7	3636.6	3609.6	3645.6	3722.1	3839.1	3870.6	3884.1
37.5°	10014.1	9051.0	5855.5	3830.1	3402.6	3434.1	3470.1	3497.1	3501.6	3560.1	3537.6
40°	10752.3	9375.0	5297.4	3362.1	3159.5	3330.5	3312.5	3263.0	3222.5	3168.5	3155.0
42.5°	11400.4	9658.6	4676.3	2966.0	2943.5	3222.5	3164.0	3038.0	2943.5	2903.0	2835.5
45°	12129.5	10059.2	4050.7	2718.4	2777.0	3092.0	3074.0	2880.5	2759.0	2614.9	2596.9
47.5°	13074.7	10477.7	3452.1	2461.9	2619.4	3042.5	3051.5	2804.0	2628.4	2434.9	2407.9
50°	14285.3	11080.8	2997.5	2353.9	2524.9	2970.5	2984.0	2700.4	2470.9	2272.9	2254.9
52.5°	15446.5	11697.4	2619.4	2187.4	2461.9	2885.0	2916.5	2605.9	2340.4	2092.8	2106.3
55°	16031.6	11472.4	2295.4	2065.8	2317.9	2745.5	2862.5	2538.4	2142.4	1971.3	1966.8
57.5°	16162.2	10918.8	2038.8	1939.8	2196.4	2596.9	2772.5	2335.9	2052.3	1908.3	1890.3
60°	15734.6	9951.1	1836.3	1804.8	2043.3	2443.9	2565.4	2227.9	1962.3	1845.3	1818.3
62.5°	14681.4	8947.5	1696.8	1741.8	1912.8	2277.4	2434.9	2151.4	1876.8	1795.8	1737.3
65°	12039.5	7358.7	1584.3	1620.3	1777.8	2115.3	2353.9	2065.8	1800.3	1723.8	1719.3
67.5°	8339.9	5072.3	1494.2	1561.8	1669.8	1998.3	2272.9	1971.3	1701.3	1674.3	1638.3
70°	4271.2	2704.9	1377.2	1431.2	1552.8	1849.8	2128.9	1872.3	1597.8	1593.3	1548.3
72.5°	2164.9	1584.3	1242.2	1323.2	1408.7	1656.3	1948.8	1741.8	1467.2	1417.7	1345.7
73°	1872.3	1467.2	1219.7	1291.7	1372.7	1602.3	1894.8	1710.3	1449.2	1377.2	1309.7
75°	1363.7	1156.7	1093.7	1165.7	1228.7	1444.7	1714.8	1566.3	1332.2	1255.7	1192.7
77.5°	1021.7	891.1	909.1	990.2	1044.2	1246.7	1525.8	1417.7	1206.2	1102.7	1075.7
80°	751.6	679.6	751.6	828.1	868.6	1098.2	1390.7	1228.7	1017.2	900.1	877.6
82.5°	535.6	495.1	580.6	630.1	648.1	909.1	1251.2	981.2	769.6	616.6	567.1
85°	306.1	301.5	391.6	387.1	400.6	531.1	823.6	652.6	495.1	378.1	369.1
87.5°	135.0	148.5	198.0	157.5	166.5	252.0	351.1	243.0	202.5	112.5	85.5
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)