

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: P480083

Luminaire Tested: **IFLD-S-SA6B-735-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480083
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-735-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

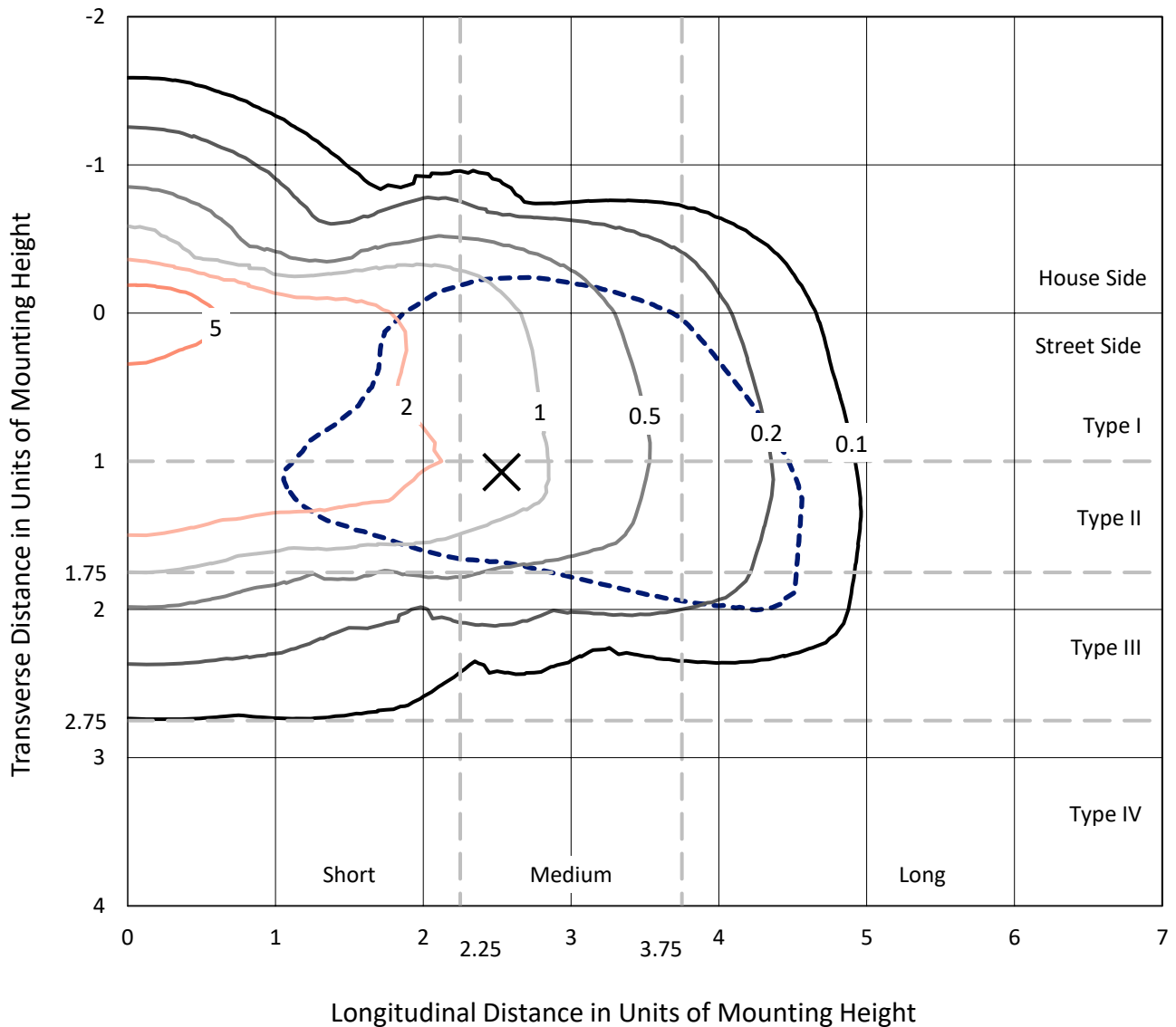
Lumens per Lamp: N/A
Luminaire Lumens: 32825.5 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 244.9
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

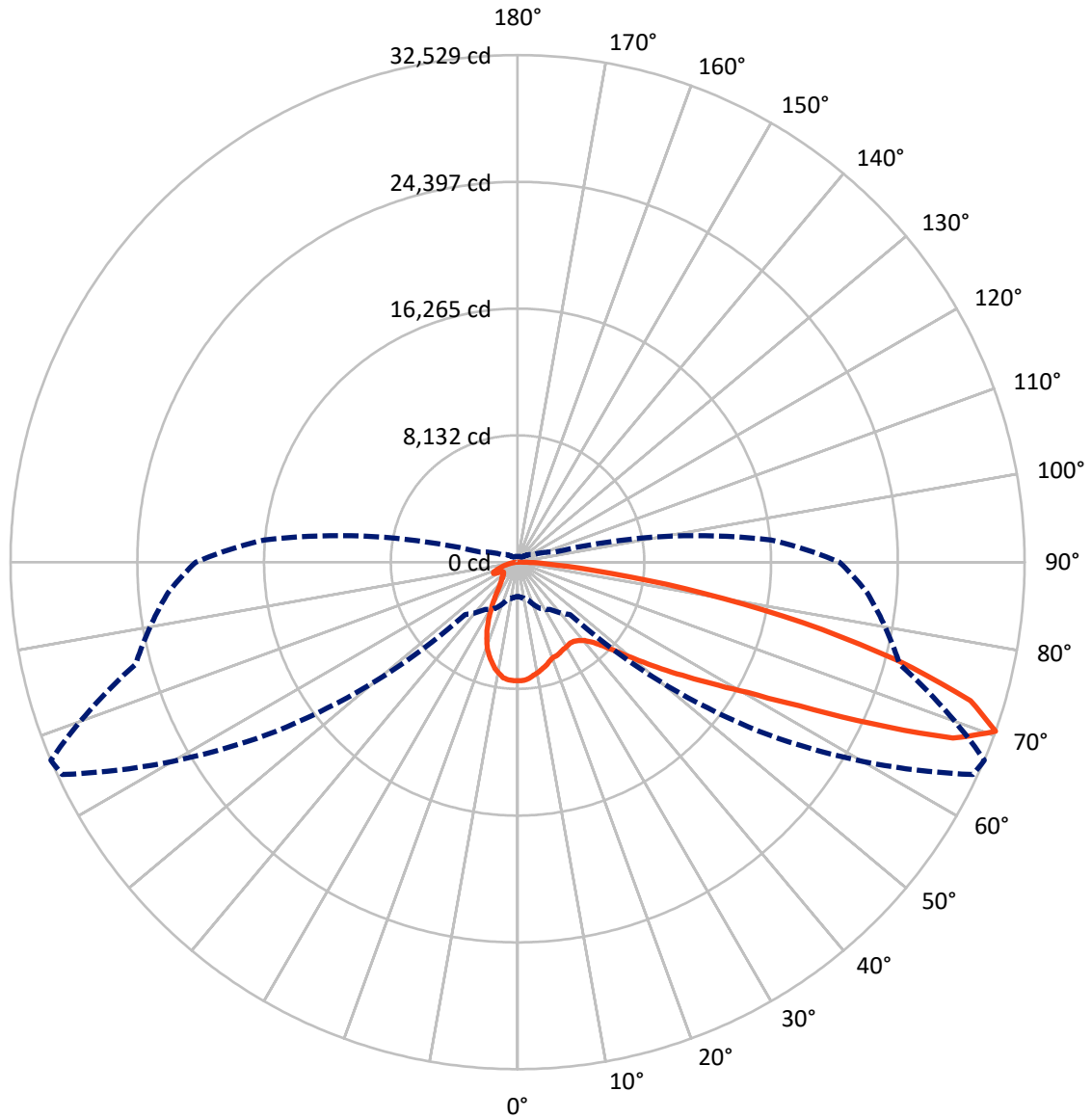
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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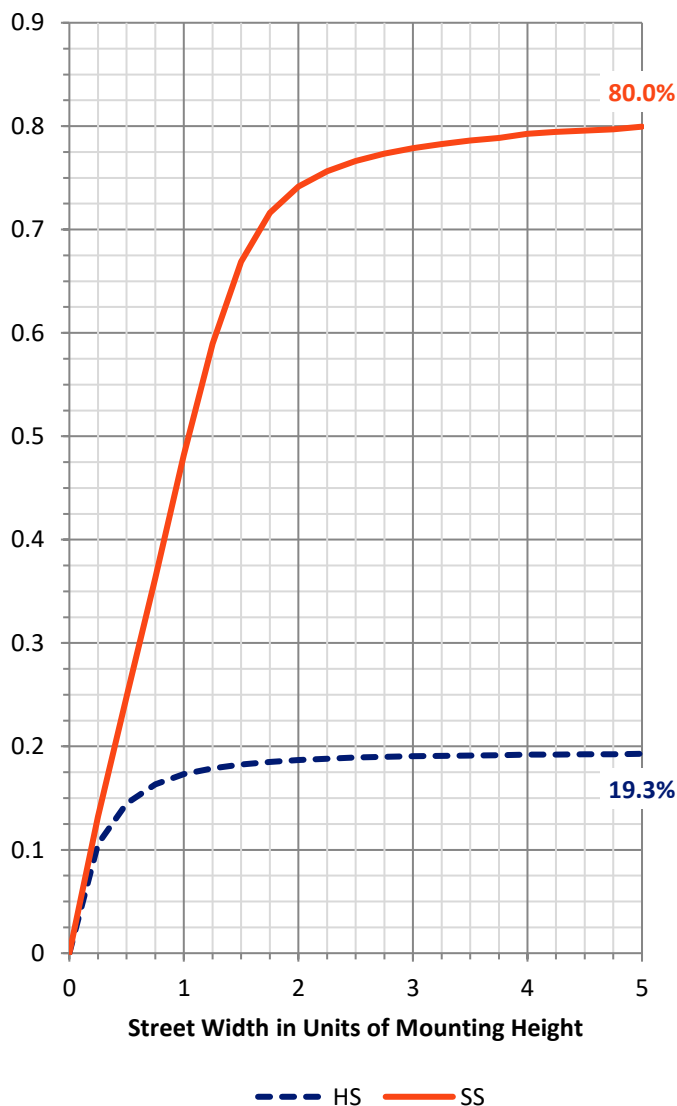
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6393.1	0.0	6393.1
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	26432.4	0.0	26432.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	32825.5	0.0	32825.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.0	2.0
10°-20°	1587.9	4.8
20°-30°	2144.4	6.5
30°-40°	2869.4	8.7
40°-50°	4219.4	12.9
50°-60°	6576.9	20.0
60°-70°	8101.7	24.7
70°-80°	5724.6	17.4
80°-90°	938.3	2.9
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°	32825.5	100.0
0°-180°	32825.5	100.0

Coefficient of Utilization

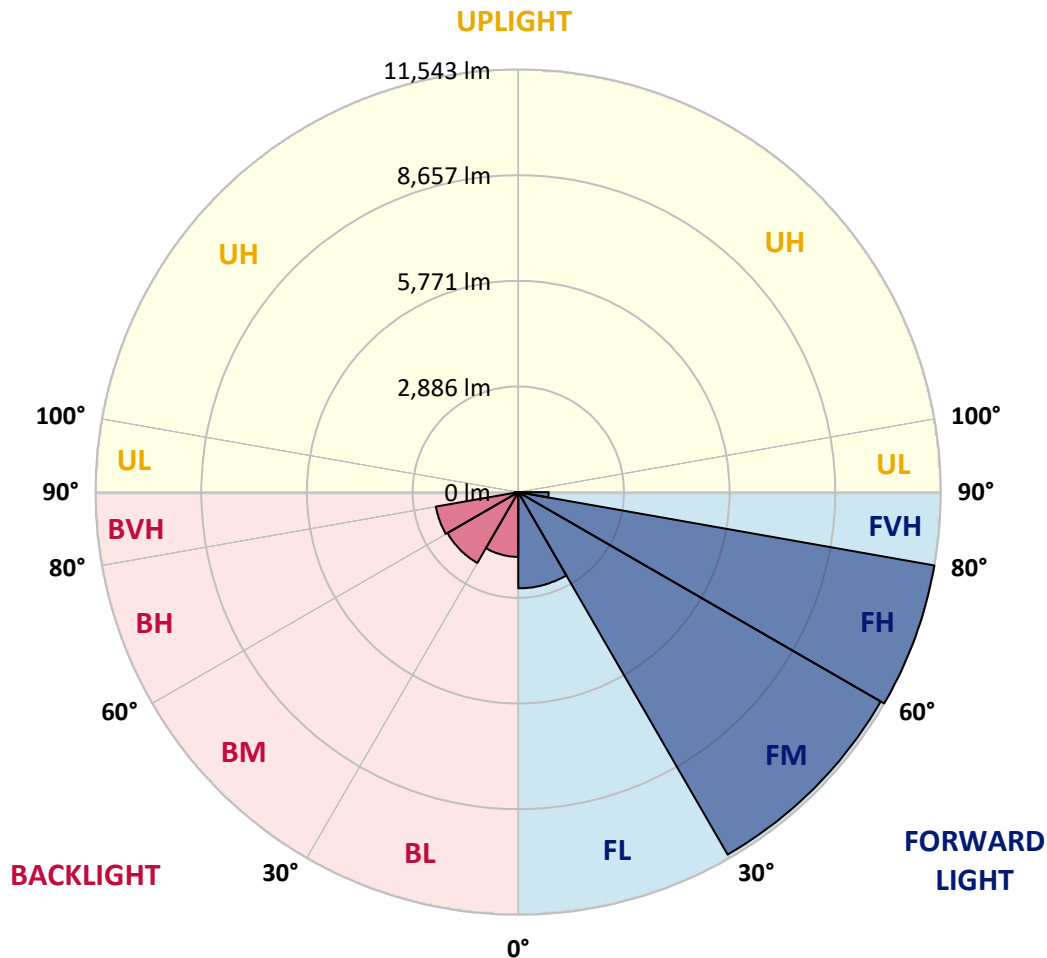


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2627.4	8.0			
FM (30°-60°)	11432.4	34.8			
FH (60°-80°)	11542.5	35.2			G4/12000
FVH (80°-90°)	830.0	2.5			G5
BL (0°-30°)	1767.9	5.4	B3/2500		
BM (30°-60°)	2233.2	6.8	B2/2500		
BH (60°-80°)	2283.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	108.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0
2.5°	7075.7	7155.6	7184.7	7228.3	7341.0	7424.6	7475.4	7533.6	7602.6	7660.8	7697.1
5°	6581.4	6625.1	6694.1	6741.3	6883.1	7108.4	7261.0	7508.1	7500.9	7591.7	7729.8
7.5°	6101.7	6145.3	6178.1	6272.5	6476.1	6679.6	6959.4	7359.1	7330.1	7540.9	7755.3
10°	5803.7	5771.0	5781.9	5941.8	6101.7	6330.7	6683.2	7090.2	7195.6	7522.7	7828.0
12.5°	5523.9	5487.6	5574.8	5676.5	5872.8	6079.9	6501.5	6868.5	7028.4	7457.3	7860.7
15°	5349.5	5324.0	5433.1	5476.7	5709.2	5956.4	6254.4	6701.4	6875.8	7377.3	7809.8
17.5°	5251.3	5273.1	5313.1	5407.6	5556.6	5767.4	6094.5	6588.7	6665.0	7279.2	7798.9
20°	5269.5	5295.0	5298.6	5338.6	5440.3	5603.9	5938.2	6468.8	6519.7	7261.0	7828.0
22.5°	5414.9	5378.5	5393.1	5367.6	5396.7	5523.9	5818.3	6308.9	6505.1	7108.4	7766.2
25°	5632.9	5582.1	5574.8	5487.6	5433.1	5469.4	5796.5	6268.9	6396.1	7061.1	7762.5
27.5°	6018.1	5941.8	5941.8	5811.0	5589.3	5531.2	5734.7	6203.5	6316.1	7017.5	7679.0
30°	6388.8	6388.8	6392.5	6207.1	5960.0	5672.9	5760.1	6178.1	6250.7	6886.7	7566.3
32.5°	6839.5	6828.6	6810.4	6719.5	6338.0	5909.1	5883.7	6145.3	6181.7	6843.1	7533.6
35°	7279.2	7250.1	7391.9	7311.9	6923.1	6370.7	6010.9	6159.9	6239.8	6777.7	7431.8
37.5°	7609.9	7628.1	7922.4	7973.3	7639.0	6894.0	6370.7	6305.2	6381.6	6872.2	7431.8
40°	8038.7	8111.4	8387.6	8558.4	8354.9	7584.5	6941.2	6548.7	6603.2	7083.0	7591.7
42.5°	8602.0	8663.8	9016.3	9238.0	9179.9	8463.9	7504.5	7057.5	7013.9	7435.5	7831.6
45°	9347.0	9357.9	9714.1	10019.3	10139.3	9383.4	8398.5	7700.8	7664.4	8042.4	8271.3
47.5°	10233.8	10222.9	10444.5	10771.6	11095.1	10480.9	9427.0	8678.3	8547.5	8910.9	9001.8
50°	11091.4	11044.2	11095.1	11513.0	12134.4	11854.6	10677.1	9874.0	9743.1	9943.0	10099.3
52.5°	11563.9	11622.0	11483.9	12036.3	13239.2	13479.1	12334.3	11302.2	11189.5	11287.7	11560.2
55°	11233.1	11353.1	11262.2	11785.5	13722.5	15459.7	14478.4	12955.7	12810.4	12774.0	13221.0
57.5°	9826.7	10044.8	10063.0	10891.5	13555.4	16993.3	17494.8	14907.3	14689.2	14318.5	14780.1
60°	7544.5	7762.5	7929.7	8910.9	12123.5	17909.1	20990.8	17683.8	16964.2	16004.8	16281.0
62.5°	5287.7	5436.7	5603.9	6207.1	9347.0	17371.2	24014.4	21594.1	20267.6	17781.9	18127.1
65°	3852.2	3968.5	4139.3	4495.4	5742.0	14373.1	25417.2	26238.5	24981.1	20042.3	19998.7
67.5°	2900.0	2972.7	3198.0	3768.6	3979.4	8878.2	23963.6	31144.6	30127.1	22553.5	21503.2
70°	2195.0	2256.8	2467.6	3248.9	3717.7	4760.7	18904.8	32238.5	32529.3	25370.0	22513.5
72.5°	1511.8	1580.9	1817.1	2707.4	3539.7	3775.9	11865.5	29287.6	30388.7	26529.3	21430.6
75°	926.7	974.0	1112.0	2053.3	3514.2	3692.3	6530.6	23999.9	25166.5	24512.3	18748.6
77.5°	654.1	650.5	676.0	1202.9	3045.4	3714.1	4026.6	17585.6	18719.5	18065.3	12723.1
80°	476.1	479.7	505.1	719.6	2067.8	3775.9	3172.6	11778.3	12116.2	9419.7	5018.8
82.5°	287.1	301.6	363.4	487.0	1242.9	3408.8	2932.8	6545.1	6123.5	3023.6	1381.0
85°	152.6	152.6	214.4	308.9	661.4	2543.9	2823.7	3114.5	2609.3	937.6	512.4
87.5°	36.3	36.3	61.8	123.6	265.3	1217.4	1926.1	1239.2	992.1	316.2	210.8
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°	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0	7599.0
2.5°	7682.6	7639.0	7693.5	7584.5	7497.2	7500.9	7366.4	7359.1	7341.0	7246.5	7279.2
5°	7769.8	7733.5	7671.7	7551.8	7359.1	7166.5	7050.2	6901.2	6839.5	6806.8	6821.3
7.5°	7853.4	7788.0	7609.9	7442.7	7144.7	6781.3	6570.5	6370.7	6116.3	6087.2	6036.3
10°	7875.2	7737.1	7508.1	7152.0	6755.9	6352.5	5872.8	5502.1	5305.9	5153.2	5095.1
12.5°	7842.5	7784.3	7344.6	6886.7	6287.1	5654.7	5095.1	4571.8	4208.3	4019.4	3968.5
15°	7838.9	7737.1	7162.9	6483.3	5716.5	4891.6	4095.7	3467.0	3085.4	2929.1	2929.1
17.5°	7842.5	7599.0	6948.5	6076.3	5044.2	3928.5	3052.7	2536.6	2325.9	2304.0	2322.2
20°	7769.8	7497.2	6723.2	5596.6	4201.1	2950.9	2216.8	2006.0	2006.0	2035.1	2046.0
22.5°	7704.4	7344.6	6367.0	5004.2	3343.4	2136.9	1802.5	1740.8	1809.8	1860.7	1882.5
25°	7613.5	7217.4	6003.6	4390.0	2543.9	1722.6	1566.3	1580.9	1646.3	1737.1	1729.9
27.5°	7482.7	6995.7	5571.1	3677.8	1893.4	1486.4	1446.4	1453.7	1522.7	1562.7	1555.4
30°	7333.7	6770.4	5171.4	2969.1	1500.9	1362.8	1359.2	1377.3	1388.2	1410.0	1406.4
32.5°	7144.7	6472.4	4746.2	2307.7	1351.9	1293.8	1279.2	1268.3	1279.2	1275.6	1264.7
35°	7010.3	6312.5	4313.7	1758.9	1268.3	1232.0	1221.1	1202.9	1188.4	1166.6	1162.9
37.5°	6973.9	6152.6	3859.5	1435.5	1202.9	1184.7	1148.4	1115.7	1097.5	1086.6	1079.3
40°	6952.1	6047.2	3416.1	1261.0	1148.4	1130.2	1086.6	1043.0	1024.8	1013.9	1017.6
42.5°	7028.4	5989.1	2965.5	1173.8	1101.1	1068.4	1021.2	970.3	966.7	959.4	970.3
45°	7297.4	6061.8	2547.5	1112.0	1053.9	999.4	937.6	912.2	908.5	901.3	908.5
47.5°	7907.9	6243.5	2191.4	1072.1	1003.0	955.8	890.4	854.0	850.4	846.8	846.8
50°	8751.0	6803.1	1893.4	1024.8	970.3	904.9	843.1	803.1	795.9	781.3	781.3
52.5°	10073.9	7744.4	1715.3	999.4	912.2	857.7	792.2	748.6	730.5	715.9	715.9
55°	11563.9	8910.9	1682.6	955.8	850.4	799.5	741.4	697.8	679.6	661.4	654.1
57.5°	13261.0	10455.4	1915.2	926.7	806.8	741.4	676.0	636.0	621.4	603.3	596.0
60°	14841.9	11996.3	2638.4	883.1	766.8	686.9	621.4	581.5	563.3	545.1	545.1
62.5°	16669.8	13904.2	3863.1	883.1	730.5	628.7	563.3	534.2	523.3	505.1	501.5
65°	18832.2	15877.6	4757.1	937.6	719.6	577.8	508.8	479.7	468.8	457.9	454.3
67.5°	20478.4	17011.4	4092.0	1083.0	766.8	534.2	454.3	436.1	428.8	417.9	410.7
70°	20652.9	16321.0	2467.6	1170.2	814.0	490.6	407.0	388.9	388.9	378.0	370.7
72.5°	19086.5	14482.1	1660.8	1043.0	737.7	439.7	359.8	345.2	338.0	330.7	327.1
75°	15972.1	12283.4	1311.9	832.2	566.9	363.4	312.5	298.0	287.1	283.5	276.2
77.5°	10728.0	7984.2	970.3	650.5	417.9	294.4	261.7	247.1	236.2	232.6	221.7
80°	4121.1	3041.8	625.1	472.4	294.4	232.6	207.1	192.6	185.3	174.4	167.2
82.5°	1213.8	984.9	348.9	290.7	189.0	159.9	149.0	138.1	127.2	116.3	112.7
85°	501.5	450.6	214.4	152.6	116.3	94.5	87.2	76.3	65.4	58.1	50.9
87.5°	232.6	192.6	98.1	58.1	40.0	21.8	10.9	3.6	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)