

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: P480364

Luminaire Tested: **IFLD-M-SA4E-722-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480364  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-722-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

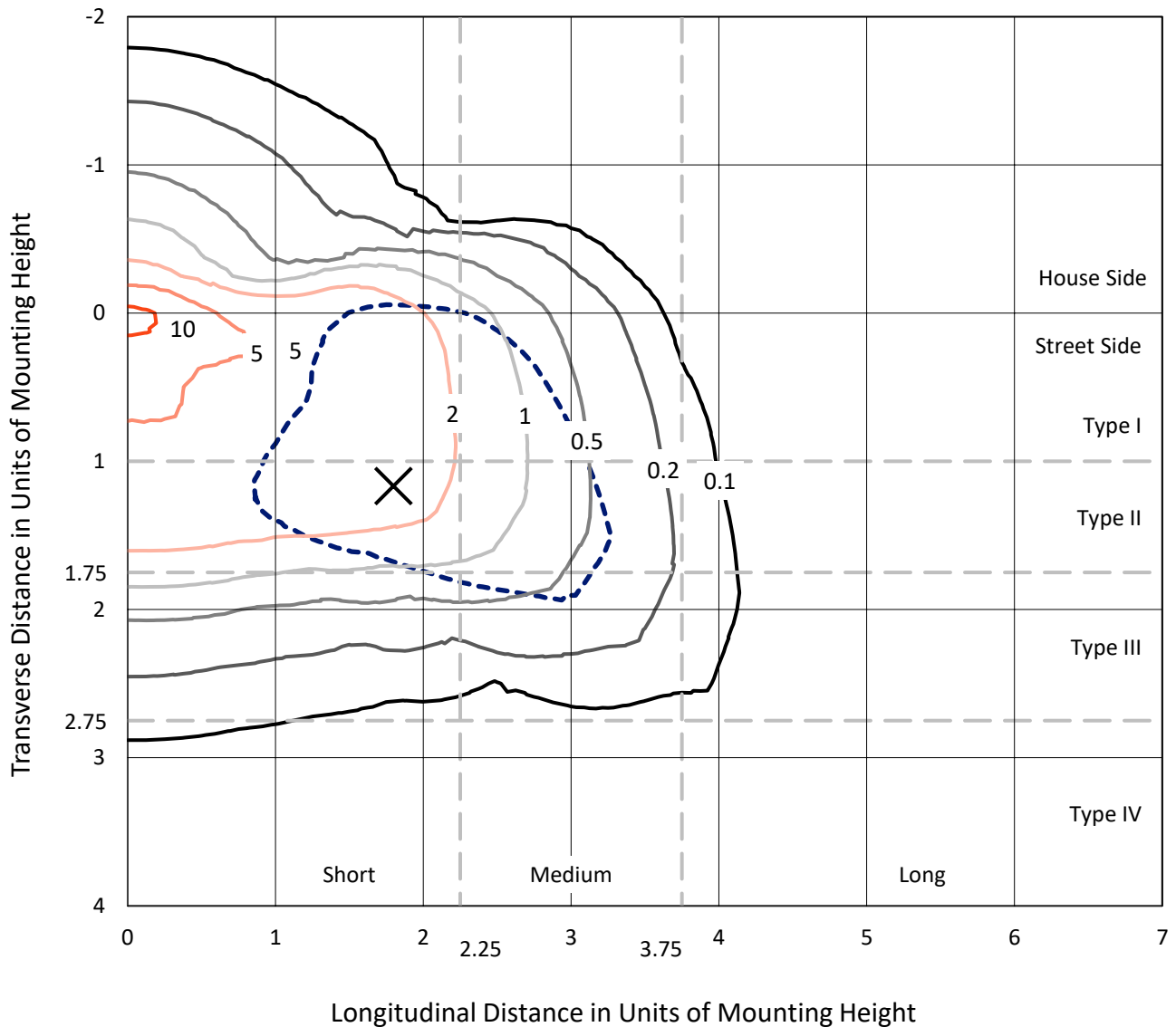
Lumens per Lamp: N/A  
Luminaire Lumens: 26314.3 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 314.8  
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

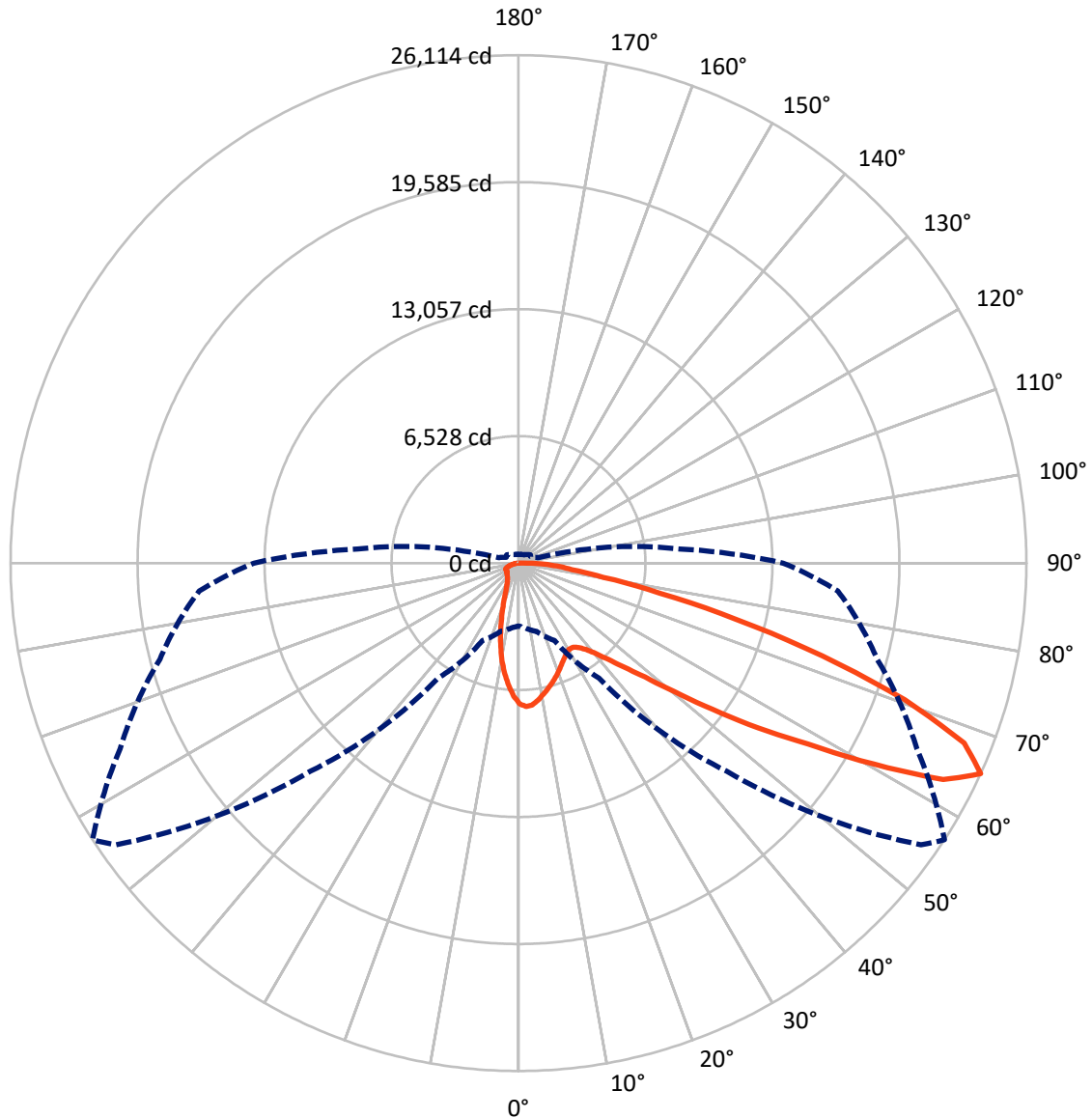
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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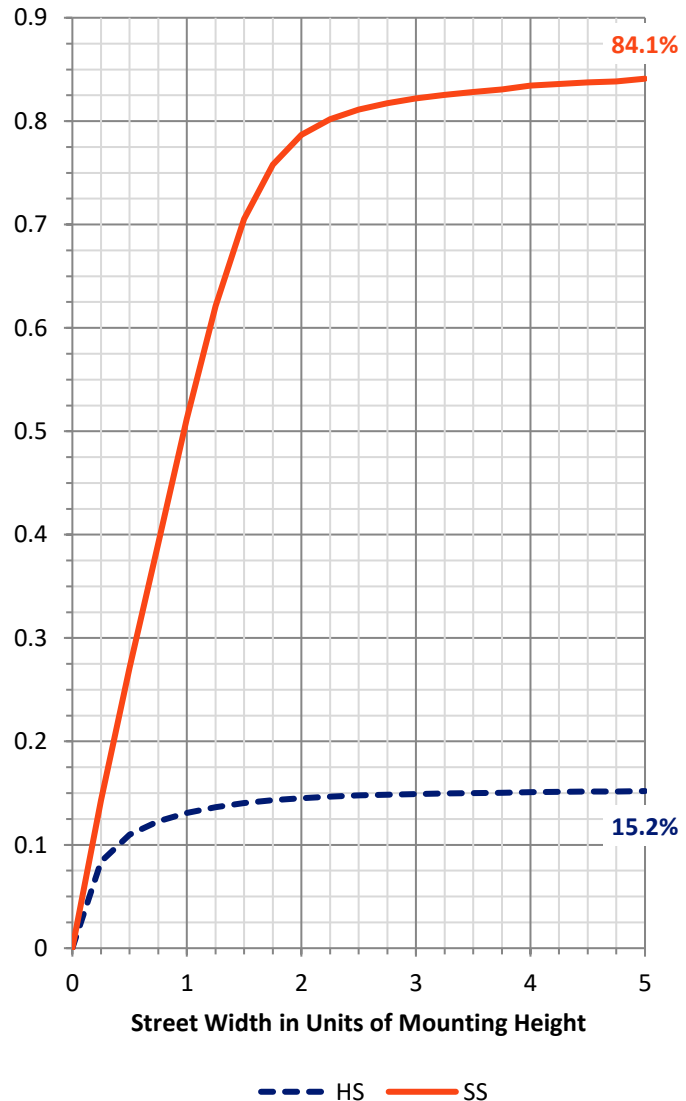
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4035.6	0.0	4035.6
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	22278.8	0.0	22278.8
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	26314.3	0.0	26314.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	606.0	2.3
10°-20°	1304.1	5.0
20°-30°	1686.1	6.4
30°-40°	2269.0	8.6
40°-50°	3618.0	13.7
50°-60°	6390.2	24.3
60°-70°	7030.1	26.7
70°-80°	2940.8	11.2
80°-90°	470.0	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°	26314.3	100.0
0°-180°	26314.3	100.0

**Coefficient of Utilization**



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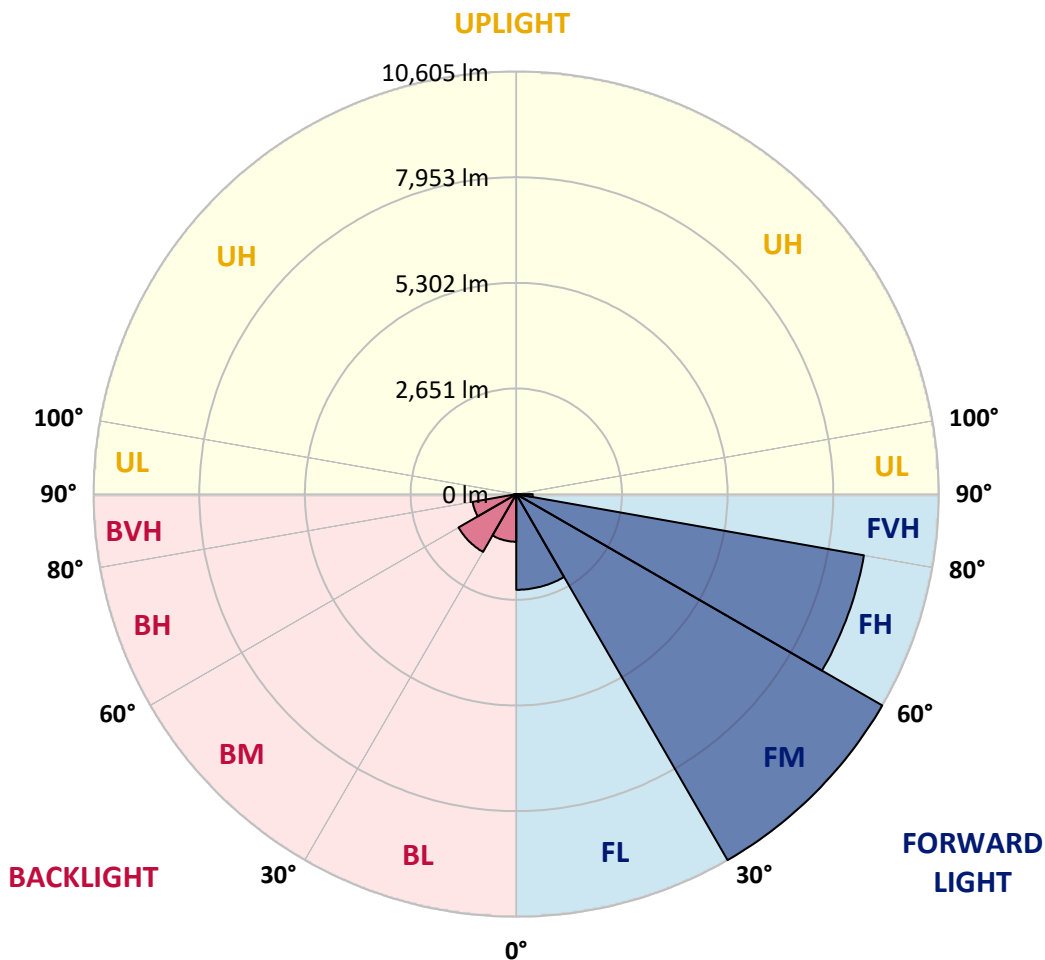
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2401.1	9.1			
FM (30°-60°)	10604.6	40.3			
FH (60°-80°)	8858.2	33.7			G4/12000
FVH (80°-90°)	414.9	1.6			G3/500
BL (0°-30°)	1195.1	4.5	B3/2500		
BM (30°-60°)	1672.6	6.4	B2/2500		
BH (60°-80°)	1112.7	4.2	B3/2500		G3/2500
BVH (80°-90°)	55.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1
2.5°	7431.5	7443.3	7443.3	7467.0	7387.1	7425.5	7419.6	7384.1	7395.9	7333.8	7271.6
5°	7221.3	7212.4	7259.7	7265.7	7327.8	7345.6	7360.4	7336.7	7342.6	7206.5	7147.2
7.5°	6682.4	6679.4	6759.4	6827.5	6957.8	7079.1	7159.1	7135.4	7168.0	7082.1	6942.9
10°	6042.9	6111.0	6193.9	6262.0	6501.8	6655.8	6863.0	6883.7	7008.1	6987.4	6735.7
12.5°	5563.2	5592.8	5655.0	5850.4	6069.5	6324.2	6620.2	6646.9	6768.3	6827.5	6608.4
15°	5169.5	5196.1	5276.0	5421.1	5666.9	5968.9	6344.9	6413.0	6655.8	6676.5	6442.6
17.5°	4882.3	4903.0	4956.3	5101.4	5302.7	5690.6	6045.8	6167.2	6487.0	6587.7	6270.9
20°	4769.8	4725.3	4755.0	4846.7	5048.1	5347.1	5806.0	5912.6	6321.2	6519.6	6108.0
22.5°	4719.4	4680.9	4698.7	4692.8	4852.7	5065.8	5548.4	5660.9	6164.3	6439.6	5962.9
25°	4757.9	4757.9	4740.2	4725.3	4743.1	4882.3	5270.1	5444.8	5954.1	6371.5	5814.9
27.5°	4965.2	4885.2	4894.1	4831.9	4814.2	4814.2	5145.8	5249.4	5886.0	6333.0	5693.5
30°	5098.4	5136.9	5139.9	5048.1	4956.3	4790.5	5030.3	5131.0	5829.7	6380.4	5622.5
32.5°	5438.9	5421.1	5370.8	5353.0	5216.8	5030.3	5086.6	5154.7	5797.1	6487.0	5643.2
35°	5779.4	5770.5	5773.5	5764.6	5622.5	5347.1	5237.6	5329.3	5856.4	6673.5	5714.2
37.5°	6131.7	6155.4	6256.1	6256.1	6105.1	5806.0	5660.9	5634.3	6072.5	6978.5	5883.0
40°	6484.0	6543.2	6670.6	6871.9	6658.7	6380.4	6146.5	6105.1	6333.0	7387.1	6288.6
42.5°	6821.6	6919.3	7170.9	7470.0	7398.9	7120.6	6809.7	6762.3	6868.9	7994.0	6854.1
45°	7253.8	7336.7	7733.5	8192.4	8290.1	8044.3	7680.2	7641.7	7635.8	8882.2	7632.8
47.5°	7911.1	7999.9	8396.7	8858.5	9160.5	9199.0	8790.5	8749.0	8606.9	10081.3	8772.7
50°	8734.2	8879.3	9213.8	9752.7	10190.9	10602.4	10487.0	10365.6	10087.3	11475.8	10217.5
52.5°	9335.2	9512.9	9965.9	10655.7	11428.5	12082.8	12497.3	12497.3	11857.8	13006.6	11955.5
55°	9495.1	9601.7	10173.1	11170.9	12494.3	14149.4	15016.9	14951.8	13965.8	14617.2	13977.7
57.5°	8858.5	8997.7	9690.5	10735.7	13053.9	16082.8	17518.7	17533.5	16269.3	16488.4	15973.2
60°	7105.8	7150.2	7967.4	9364.8	12515.1	17640.1	20935.4	20991.7	18889.6	18155.3	16988.8
62.5°	4911.9	5054.0	5669.8	6895.6	10368.5	17465.4	24230.7	24509.0	20988.7	19034.6	17148.6
65°	3233.1	3319.0	3647.6	4393.7	7218.3	15138.3	25255.2	26113.8	22593.4	19085.0	16479.5
67.5°	2344.9	2359.7	2457.4	2842.3	4337.5	10886.7	23505.4	24716.3	23194.5	18664.5	14910.3
70°	1894.9	1906.7	1942.2	2188.0	2800.9	6812.7	19170.8	21068.7	21391.4	16672.0	12008.8
72.5°	1539.6	1554.4	1598.8	1829.7	2309.4	3789.8	14019.1	16331.5	17400.3	12334.5	7982.2
75°	1210.9	1222.8	1329.4	1557.4	2170.2	2602.5	9299.7	11564.7	11709.7	7209.4	3736.5
77.5°	829.0	849.7	980.0	1320.5	2042.9	2276.8	5797.1	7407.8	6646.9	2821.6	1285.0
80°	527.0	556.6	633.6	1000.7	1806.1	2173.2	3606.2	4423.4	2910.4	965.2	618.8
82.5°	310.9	340.5	417.5	648.4	1418.2	2016.3	2540.3	2768.3	1364.9	494.4	373.1
85°	171.7	192.4	251.7	390.8	832.0	1791.3	2034.0	1986.7	781.6	263.5	233.9
87.5°	56.3	65.1	91.8	156.9	343.4	843.8	1219.8	1145.8	405.6	121.4	91.8
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°	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1	7236.1
2.5°	7230.1	7221.3	7088.0	6987.4	6815.6	6673.5	6617.3	6540.3	6537.3	6481.1	6466.3
5°	7055.5	6963.7	6759.4	6564.0	6259.0	6054.7	5868.2	5737.9	5684.6	5569.2	5542.5
7.5°	6830.4	6709.0	6395.2	6028.1	5669.8	5350.1	5059.9	4769.8	4606.9	4550.7	4488.5
10°	6596.5	6383.4	5918.5	5507.0	5006.6	4515.1	4059.2	3650.6	3428.5	3271.6	3203.5
12.5°	6410.0	6125.8	5533.6	4917.8	4257.6	3600.3	3070.3	2641.0	2389.3	2270.9	2217.6
15°	6199.8	5823.8	5113.2	4334.5	3511.4	2765.3	2247.2	1909.7	1809.0	1752.8	1743.9
17.5°	5977.7	5542.5	4657.3	3760.1	2783.1	2081.4	1746.8	1610.6	1566.2	1542.5	1530.7
20°	5770.5	5290.9	4189.5	3120.6	2179.1	1669.9	1512.9	1441.9	1438.9	1450.8	1447.8
22.5°	5477.4	4962.2	3727.6	2528.5	1740.9	1453.7	1353.1	1335.3	1353.1	1367.9	1373.8
25°	5311.6	4692.8	3212.4	2007.4	1438.9	1290.9	1258.3	1252.4	1279.0	1296.8	1293.8
27.5°	5139.9	4414.5	2732.8	1607.7	1261.3	1175.4	1169.5	1175.4	1202.1	1228.7	1225.7
30°	5006.6	4192.4	2282.7	1344.2	1125.1	1092.5	1086.6	1092.5	1107.3	1110.3	1110.3
32.5°	4897.1	3928.9	1900.8	1166.5	1042.2	1015.5	1021.5	1018.5	1021.5	1024.4	1027.4
35°	4831.9	3772.0	1587.0	1057.0	974.1	953.4	950.4	941.5	944.5	947.4	944.5
37.5°	4971.1	3695.0	1338.3	980.0	926.7	908.9	903.0	897.1	888.2	888.2	888.2
40°	5181.3	3653.6	1187.3	929.7	891.2	870.5	852.7	846.8	846.8	849.7	852.7
42.5°	5598.8	3721.7	1083.6	891.2	846.8	823.1	805.3	808.3	817.2	826.0	820.1
45°	6202.8	3928.9	1036.3	861.6	820.1	787.6	775.7	772.8	781.6	796.4	808.3
47.5°	6993.3	4251.6	1018.5	834.9	802.4	758.0	743.1	752.0	763.9	784.6	775.7
50°	8287.1	4977.0	1033.3	811.2	775.7	743.1	725.4	716.5	725.4	740.2	746.1
52.5°	9977.7	6294.5	1089.6	799.4	758.0	731.3	701.7	686.9	695.8	707.6	707.6
55°	11999.9	8094.7	1246.5	784.6	728.3	713.5	681.0	651.4	657.3	657.3	654.3
57.5°	13782.3	9453.7	1433.0	763.9	710.6	689.9	648.4	612.9	607.0	609.9	612.9
60°	14581.7	9814.9	1521.8	758.0	710.6	660.2	604.0	568.5	559.6	553.7	553.7
62.5°	14442.5	9190.2	1341.2	731.3	728.3	636.6	562.5	524.1	512.2	500.4	503.3
65°	13601.7	8299.0	1057.0	695.8	731.3	621.8	521.1	482.6	461.9	447.1	444.1
67.5°	12065.0	7085.1	837.9	669.1	701.7	595.1	485.6	441.2	423.4	408.6	402.7
70°	9438.9	5554.4	728.3	633.6	630.6	530.0	444.1	405.6	379.0	361.2	361.2
72.5°	6119.9	3511.4	624.7	562.5	544.8	444.1	384.9	361.2	340.5	325.7	325.7
75°	2771.3	1631.4	503.3	470.8	444.1	355.3	325.7	313.8	296.1	281.3	281.3
77.5°	994.8	695.8	376.0	370.1	331.6	275.3	263.5	254.6	242.8	228.0	228.0
80°	556.6	441.2	281.3	269.4	230.9	204.3	189.5	189.5	183.6	174.7	171.7
82.5°	352.3	287.2	207.3	180.6	151.0	136.2	130.3	127.3	124.4	112.5	109.5
85°	222.1	195.4	136.2	106.6	88.8	68.1	65.1	62.2	56.3	50.3	50.3
87.5°	100.7	112.5	53.3	32.6	23.7	14.8	8.9	3.0	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)