

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: P479976

Luminaire Tested: **IFLD-L-SA7B-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479976
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-722-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

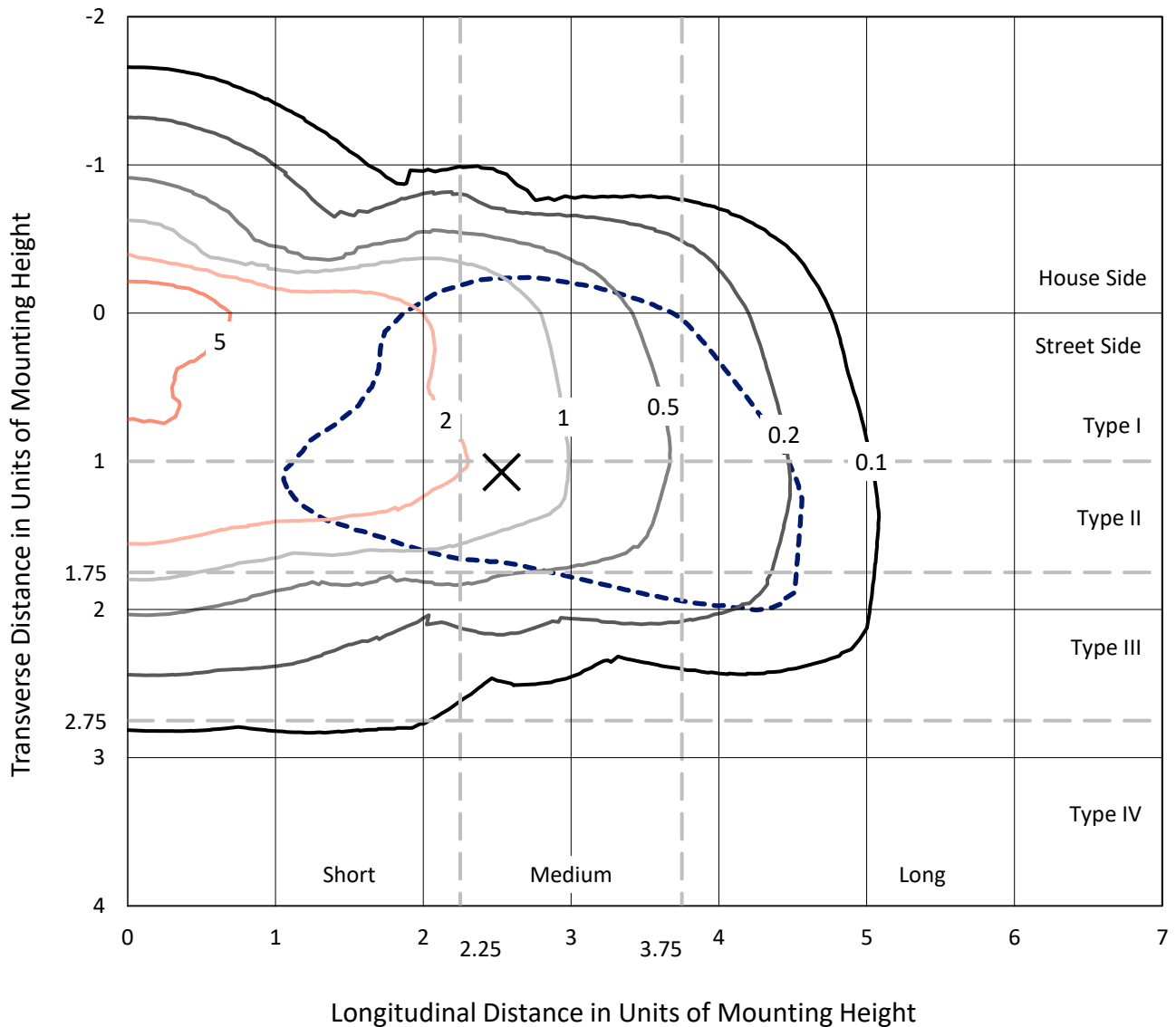
Lumens per Lamp: N/A
Luminaire Lumens: 26154.7 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 281
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

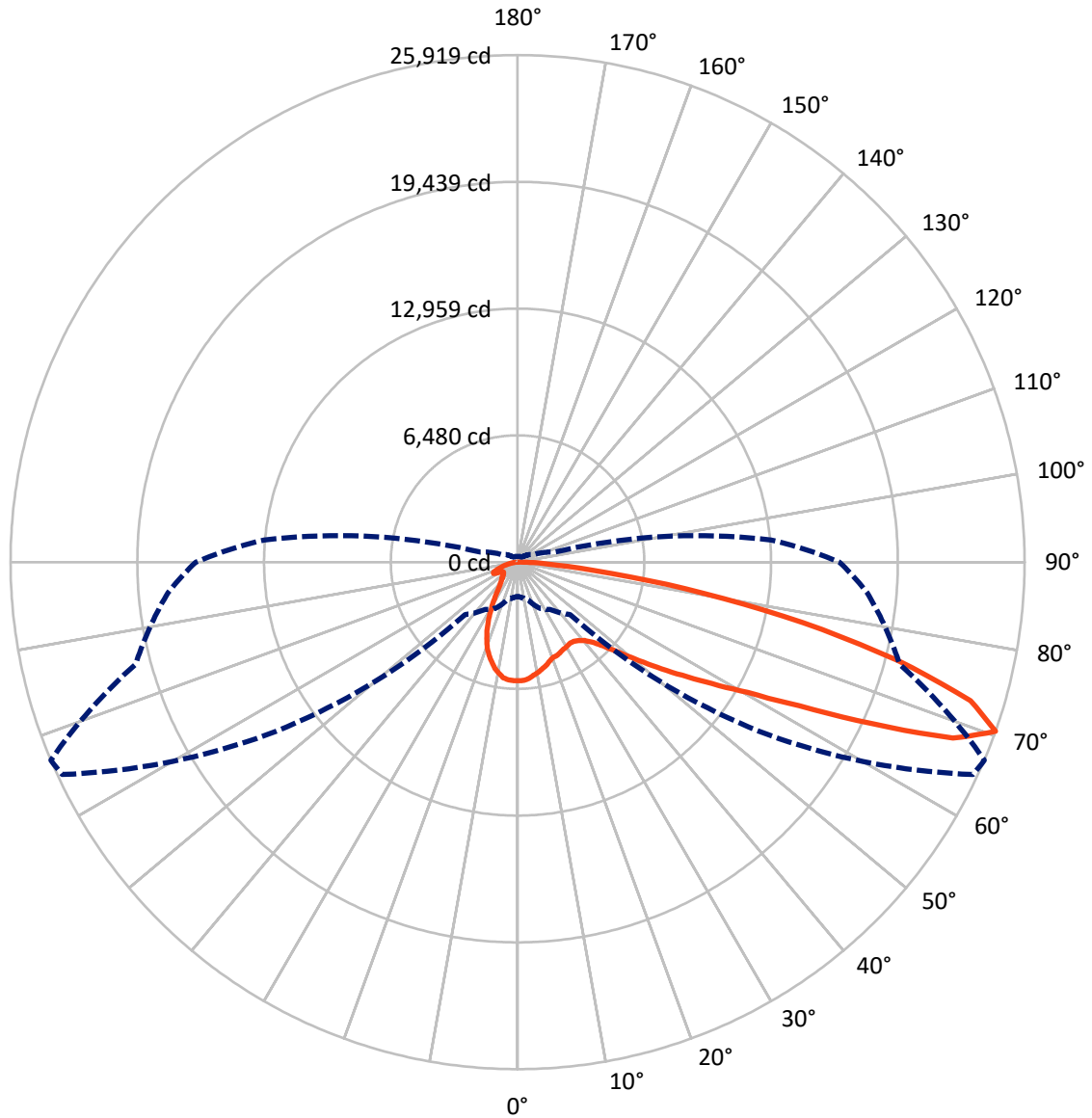
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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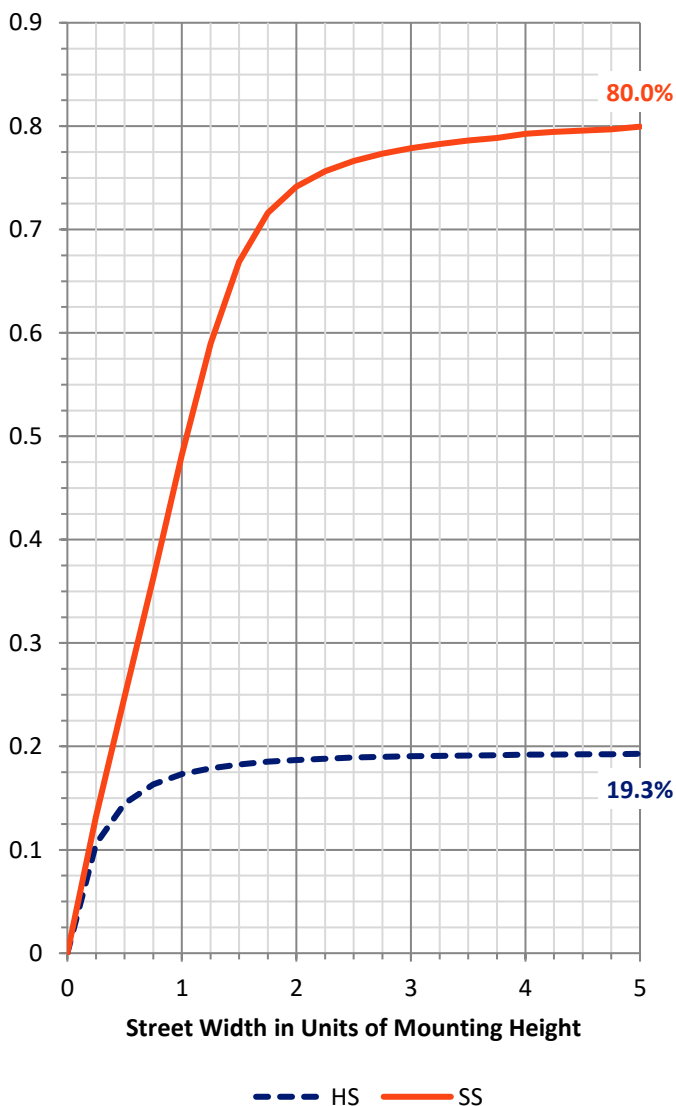
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5093.9	0.0	5093.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	21060.8	0.0	21060.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	26154.7	0.0	26154.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.3	2.0
10°-20°	1265.2	4.8
20°-30°	1708.6	6.5
30°-40°	2286.3	8.7
40°-50°	3361.9	12.9
50°-60°	5240.3	20.0
60°-70°	6455.2	24.7
70°-80°	4561.2	17.4
80°-90°	747.6	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°	26154.7	100.0
0°-180°	26154.7	100.0

Coefficient of Utilization



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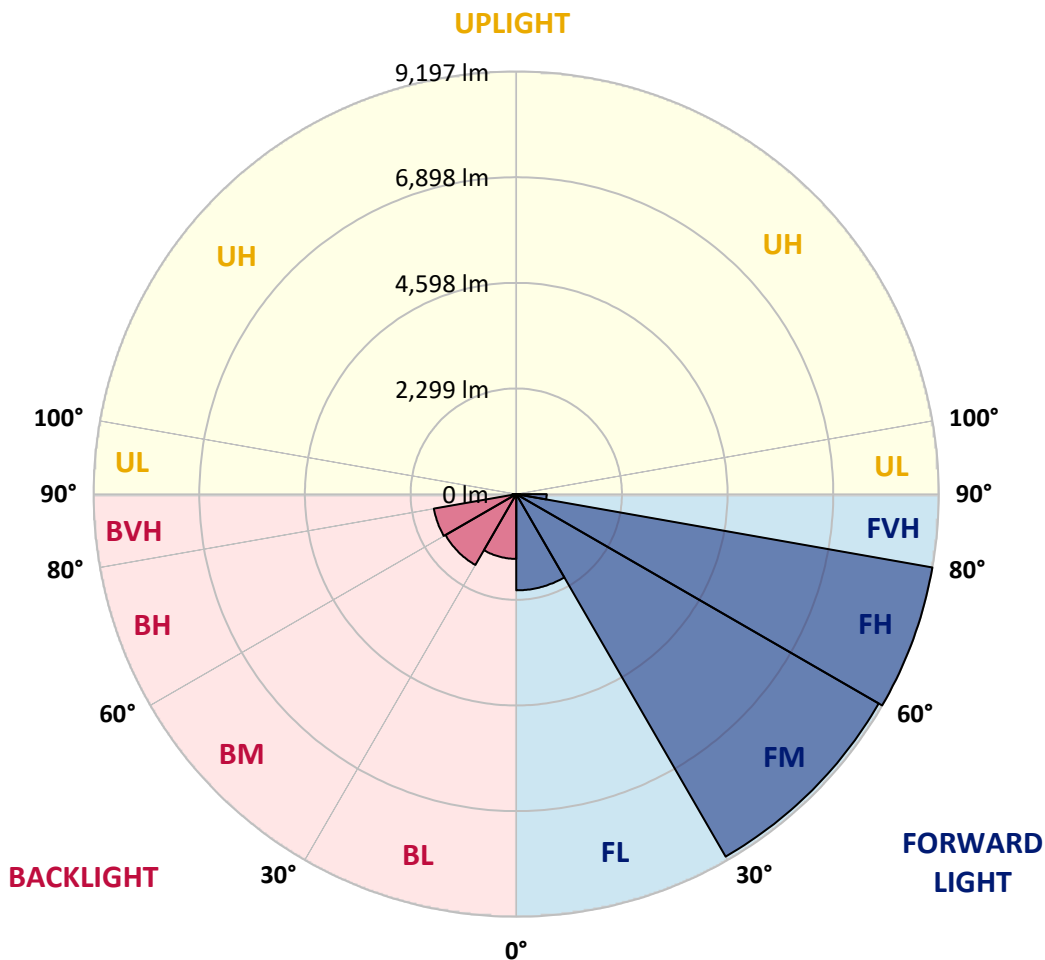
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2093.5	8.0			
FM (30°-60°)	9109.1	34.8			
FH (60°-80°)	9196.8	35.2			G4/12000
FVH (80°-90°)	661.4	2.5			G4/750
BL (0°-30°)	1408.6	5.4	B3/2500		
BM (30°-60°)	1779.4	6.8	B2/2500		
BH (60°-80°)	1819.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	86.2	0.3			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7
2.5°	5637.8	5701.5	5724.6	5759.4	5849.1	5915.7	5956.3	6002.6	6057.6	6104.0	6132.9
5°	5244.0	5278.7	5333.7	5371.4	5484.3	5663.8	5785.4	5982.3	5976.5	6048.9	6159.0
7.5°	4861.7	4896.5	4922.5	4997.8	5160.0	5322.1	5545.1	5863.6	5840.5	6008.4	6179.2
10°	4624.3	4598.2	4606.9	4734.3	4861.7	5044.2	5325.0	5649.3	5733.3	5993.9	6237.1
12.5°	4401.3	4372.4	4441.9	4522.9	4679.3	4844.4	5180.3	5472.7	5600.1	5941.8	6263.2
15°	4262.3	4242.1	4328.9	4363.7	4549.0	4745.9	4983.3	5339.5	5478.5	5878.1	6222.7
17.5°	4184.2	4201.5	4233.4	4308.7	4427.4	4595.3	4855.9	5249.7	5310.6	5799.9	6214.0
20°	4198.6	4218.9	4221.8	4253.7	4334.7	4465.0	4731.4	5154.2	5194.7	5785.4	6237.1
22.5°	4314.5	4285.5	4297.1	4276.8	4300.0	4401.3	4635.9	5026.8	5183.1	5663.8	6187.9
25°	4488.2	4447.7	4441.9	4372.4	4328.9	4357.9	4618.5	4994.9	5096.3	5626.2	6185.0
27.5°	4795.1	4734.3	4734.3	4630.1	4453.5	4407.1	4569.3	4942.8	5032.6	5591.4	6118.4
30°	5090.5	5090.5	5093.4	4945.7	4748.8	4520.1	4589.5	4922.5	4980.5	5487.2	6028.7
32.5°	5449.5	5440.9	5426.4	5354.0	5049.9	4708.3	4688.0	4896.5	4925.4	5452.4	6002.6
35°	5799.9	5776.7	5889.7	5826.0	5516.1	5076.0	4789.3	4908.1	4971.8	5400.3	5921.5
37.5°	6063.4	6077.9	6312.4	6353.0	6086.6	5493.0	5076.0	5023.9	5084.7	5475.6	5921.5
40°	6405.1	6463.0	6683.1	6819.2	6657.0	6043.1	5530.6	5217.9	5261.3	5643.5	6048.9
42.5°	6853.9	6903.1	7184.0	7360.6	7314.3	6743.9	5979.4	5623.3	5588.5	5924.4	6240.0
45°	7447.5	7456.2	7740.0	7983.2	8078.8	7476.5	6691.8	6135.8	6106.8	6408.0	6590.4
47.5°	8154.0	8145.4	8322.0	8582.6	8840.3	8350.9	7511.2	6914.7	6810.5	7100.0	7172.4
50°	8837.4	8799.8	8840.3	9173.3	9668.4	9445.5	8507.3	7867.4	7763.1	7922.4	8046.9
52.5°	9213.8	9260.2	9150.1	9590.3	10548.7	10739.8	9827.7	9005.4	8915.6	8993.8	9210.9
55°	8950.3	9045.9	8973.5	9390.5	10933.8	12317.9	11536.1	10322.9	10207.0	10178.1	10534.2
57.5°	7829.7	8003.5	8018.0	8678.2	10800.6	13539.9	13939.5	11877.8	11704.1	11408.7	11776.5
60°	6011.3	6185.0	6318.2	7100.0	9659.8	14269.6	16725.1	14090.0	13516.7	12752.3	12972.3
62.5°	4213.1	4331.8	4465.0	4945.7	7447.5	13841.0	19134.2	17205.7	16148.8	14168.2	14443.3
65°	3069.3	3162.0	3298.1	3581.9	4575.1	11452.1	20251.9	20906.3	19904.4	15969.3	15934.6
67.5°	2310.7	2368.6	2548.1	3002.8	3170.7	7074.0	19093.7	24815.4	24004.6	17970.2	17133.3
70°	1748.9	1798.2	1966.1	2588.7	2962.2	3793.3	15063.0	25687.0	25918.6	20214.3	17938.3
72.5°	1204.6	1259.6	1447.8	2157.2	2820.3	3008.5	9454.2	23335.7	24213.1	21138.0	17075.4
75°	738.4	776.0	886.1	1636.0	2800.1	2941.9	5203.4	19122.6	20052.1	19530.9	14938.5
77.5°	521.2	518.3	538.6	958.4	2426.5	2959.3	3208.3	14011.9	14915.3	14394.1	10137.5
80°	379.3	382.2	402.5	573.3	1647.6	3008.5	2527.9	9384.7	9654.0	7505.4	3998.8
82.5°	228.8	240.3	289.6	388.0	990.3	2716.1	2336.8	5215.0	4879.1	2409.1	1100.3
85°	121.6	121.6	170.8	246.1	527.0	2026.9	2249.9	2481.5	2079.0	747.1	408.3
87.5°	29.0	29.0	49.2	98.5	211.4	970.0	1534.7	987.4	790.5	251.9	167.9
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°	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7
2.5°	6121.3	6086.6	6130.0	6043.1	5973.6	5976.5	5869.4	5863.6	5849.1	5773.9	5799.9
5°	6190.8	6161.9	6112.6	6017.1	5863.6	5710.1	5617.5	5498.8	5449.5	5423.5	5435.1
7.5°	6257.4	6205.3	6063.4	5930.2	5692.8	5403.2	5235.3	5076.0	4873.3	4850.2	4809.6
10°	6274.8	6164.8	5982.3	5698.6	5382.9	5061.5	4679.3	4384.0	4227.6	4106.0	4059.6
12.5°	6248.7	6202.4	5852.0	5487.2	5009.4	4505.6	4059.6	3642.7	3353.1	3202.5	3162.0
15°	6245.8	6164.8	5707.3	5165.8	4554.8	3897.5	3263.4	2762.4	2458.4	2333.9	2333.9
17.5°	6248.7	6054.7	5536.4	4841.5	4019.1	3130.2	2432.3	2021.1	1853.2	1835.8	1850.3
20°	6190.8	5973.6	5356.9	4459.2	3347.3	2351.2	1766.3	1598.4	1598.4	1621.5	1630.2
22.5°	6138.7	5852.0	5073.1	3987.3	2664.0	1702.6	1436.2	1387.0	1442.0	1482.6	1499.9
25°	6066.3	5750.7	4783.6	3497.9	2026.9	1372.5	1248.0	1259.6	1311.7	1384.1	1378.3
27.5°	5962.1	5574.1	4439.0	2930.4	1508.6	1184.3	1152.5	1158.2	1213.3	1245.1	1239.3
30°	5843.3	5394.5	4120.5	2365.7	1195.9	1085.9	1083.0	1097.4	1106.1	1123.5	1120.6
32.5°	5692.8	5157.1	3781.7	1838.7	1077.2	1030.8	1019.3	1010.6	1019.3	1016.4	1007.7
35°	5585.6	5029.7	3437.1	1401.5	1010.6	981.6	972.9	958.4	946.9	929.5	926.6
37.5°	5556.7	4902.3	3075.1	1143.8	958.4	944.0	915.0	889.0	874.5	865.8	860.0
40°	5539.3	4818.3	2721.9	1004.8	915.0	900.5	865.8	831.0	816.6	807.9	810.8
42.5°	5600.1	4772.0	2362.8	935.3	877.4	851.3	813.7	773.1	770.2	764.4	773.1
45°	5814.4	4829.9	2029.8	886.1	839.7	796.3	747.1	726.8	723.9	718.1	723.9
47.5°	6300.9	4974.7	1746.1	854.2	799.2	761.5	709.4	680.5	677.6	674.7	674.7
50°	6972.6	5420.6	1508.6	816.6	773.1	721.0	671.8	639.9	634.1	622.6	622.6
52.5°	8026.6	6170.6	1366.7	796.3	726.8	683.4	631.2	596.5	582.0	570.4	570.4
55°	9213.8	7100.0	1340.7	761.5	677.6	637.0	590.7	556.0	541.5	527.0	521.2
57.5°	10566.1	8330.7	1526.0	738.4	642.8	590.7	538.6	506.7	495.1	480.7	474.9
60°	11825.7	9558.4	2102.2	703.6	611.0	547.3	495.1	463.3	448.8	434.3	434.3
62.5°	13282.2	11078.6	3078.0	703.6	582.0	500.9	448.8	425.7	417.0	402.5	399.6
65°	15005.1	12650.9	3790.4	747.1	573.3	460.4	405.4	382.2	373.5	364.8	362.0
67.5°	16316.8	13554.4	3260.5	862.9	611.0	425.7	362.0	347.5	341.7	333.0	327.2
70°	16455.8	13004.2	1966.1	932.4	648.6	390.9	324.3	309.8	309.8	301.1	295.4
72.5°	15207.8	11539.0	1323.3	831.0	587.8	350.4	286.7	275.1	269.3	263.5	260.6
75°	12726.2	9787.2	1045.3	663.1	451.7	289.6	249.0	237.4	228.8	225.9	220.1
77.5°	8547.8	6361.7	773.1	518.3	333.0	234.5	208.5	196.9	188.2	185.3	176.6
80°	3283.6	2423.6	498.0	376.4	234.5	185.3	165.0	153.5	147.7	139.0	133.2
82.5°	967.1	784.7	278.0	231.6	150.6	127.4	118.7	110.0	101.3	92.7	89.8
85°	399.6	359.1	170.8	121.6	92.7	75.3	69.5	60.8	52.1	46.3	40.5
87.5°	185.3	153.5	78.2	46.3	31.9	17.4	8.7	2.9	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)