

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: P482712

Luminaire Tested: **IFLD-L-SA8C-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482712
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-722-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (128) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

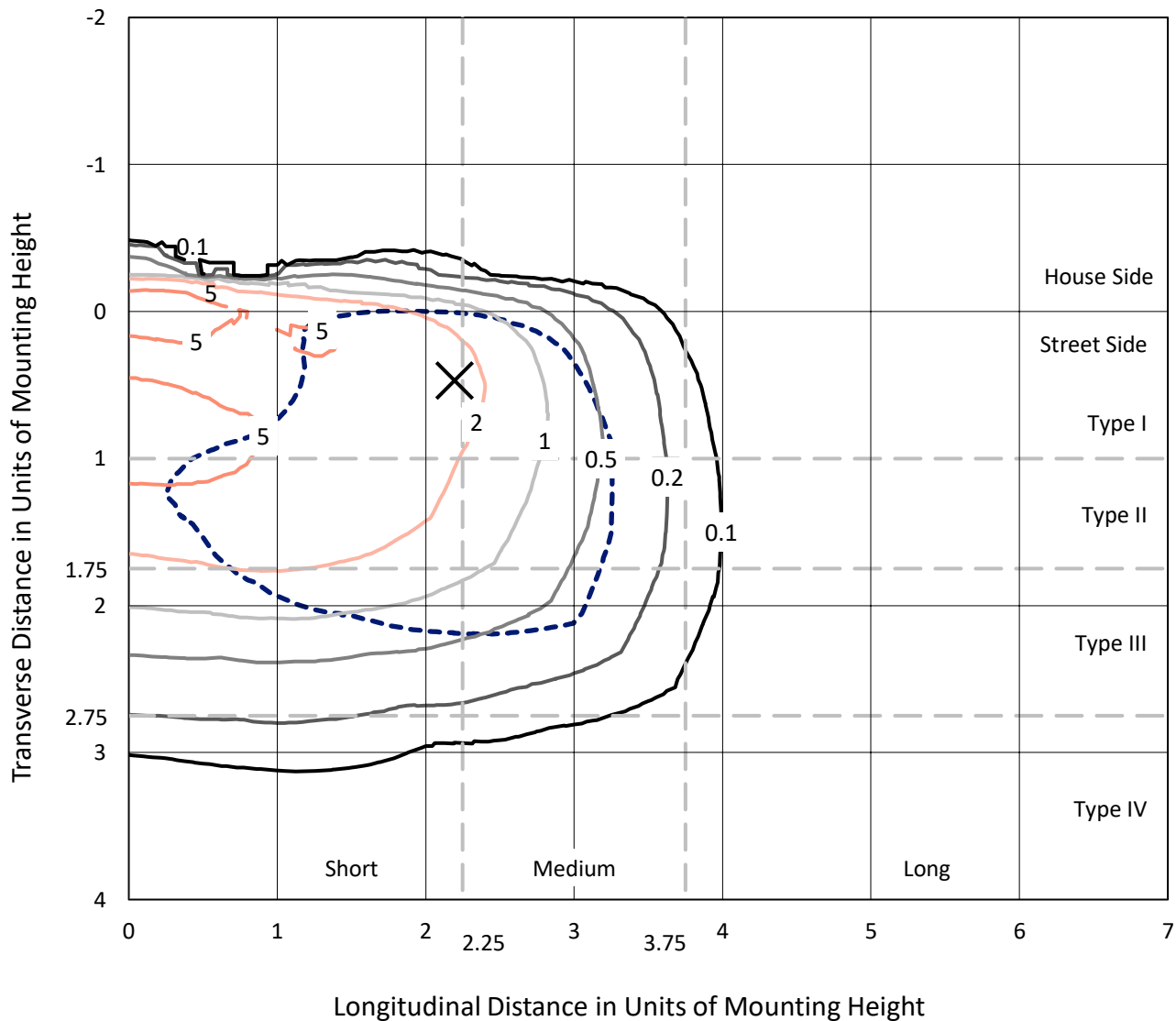
Lumens per Lamp: N/A
Luminaire Lumens: 26751 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (A_{in}): 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: P482712
 CATALOG NUMBER: IFLD-L-SA8C-722-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

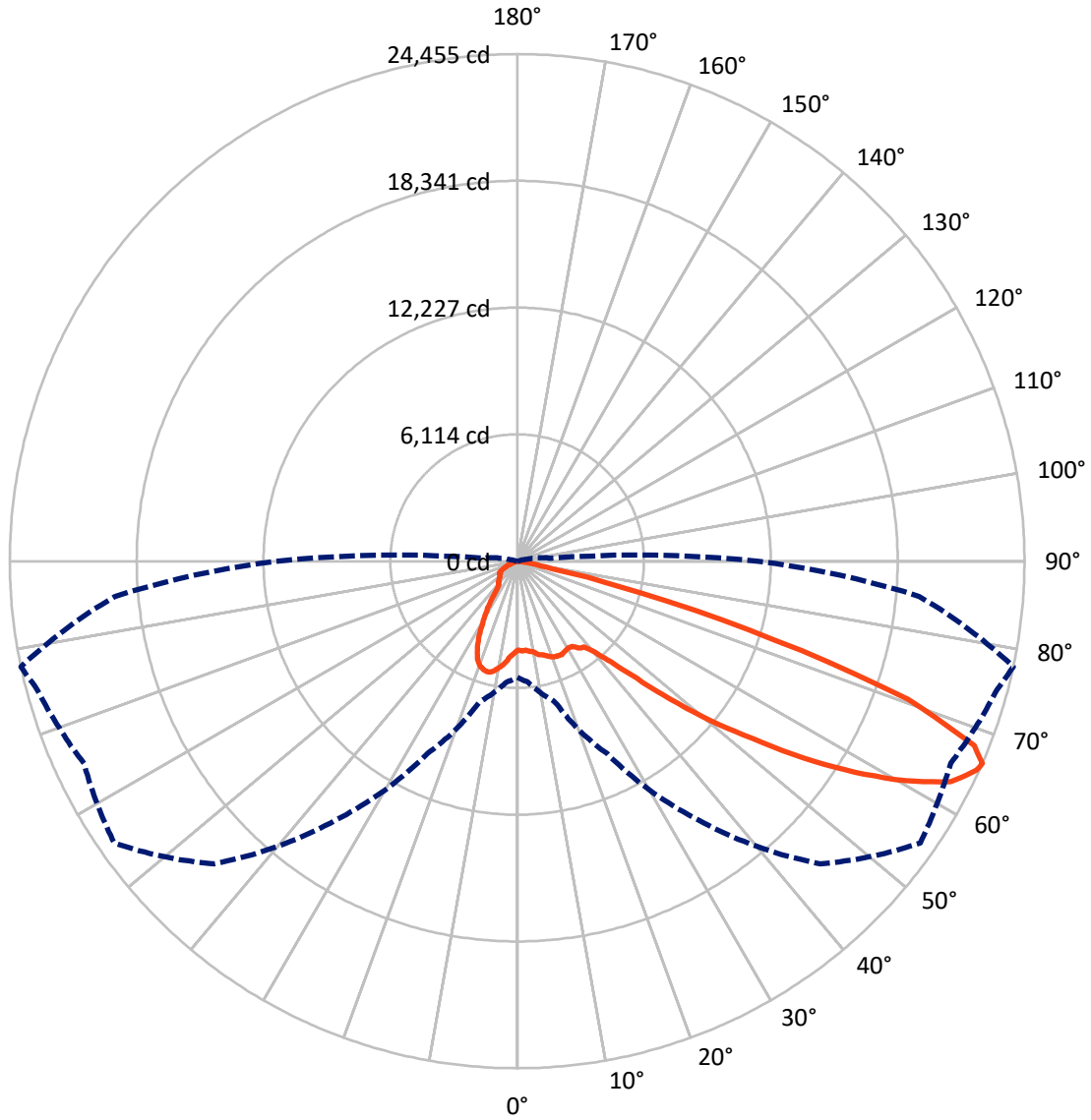
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

REPORT NUMBER: P482712
CATALOG NUMBER: IFLD-L-SA8C-722-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P482712
 CATALOG NUMBER: IFLD-L-SA8C-722-U-T3R-HSS

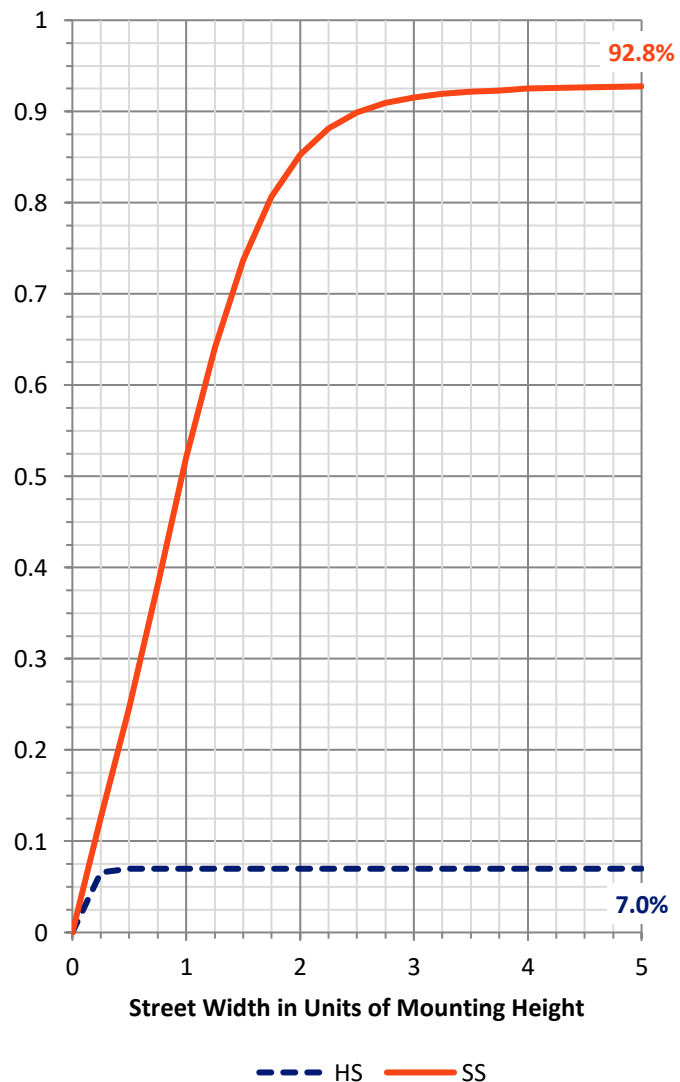
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1880.7	0.0	1880.7
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	24870.3	0.0	24870.3
	% Fixture	93.0	0.0	93.0
Total	Lumens	26751.0	0.0	26751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.0	1.5
10°-20°	884.8	3.3
20°-30°	1264.7	4.7
30°-40°	2164.9	8.1
40°-50°	3907.3	14.6
50°-60°	6682.1	25.0
60°-70°	8224.5	30.7
70°-80°	3109.3	11.6
80°-90°	121.5	0.5
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°	26751.0	100.0
0°-180°	26751.0	100.0

Coefficient of Utilization

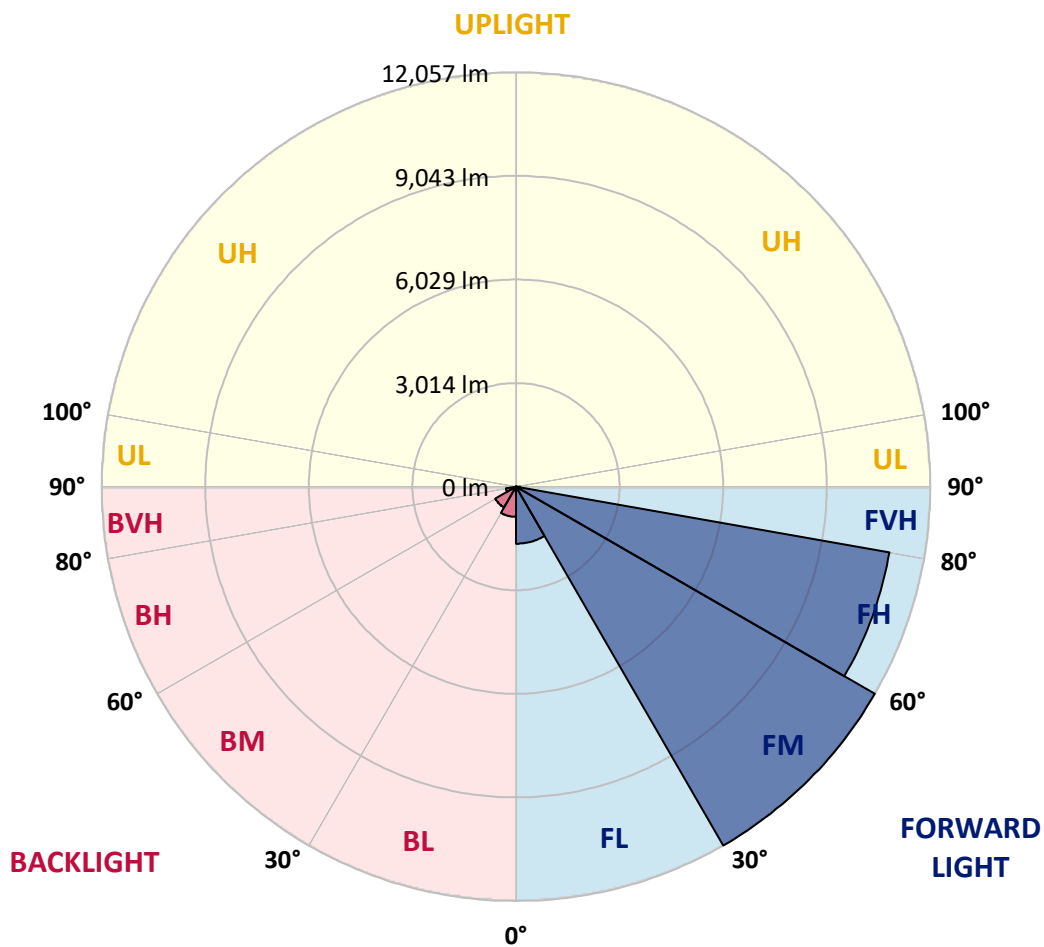


REPORT NUMBER: P482712
 CATALOG NUMBER: IFLD-L-SA8C-722-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1660.7	6.2			
FM (30°-60°)	12057.2	45.1			
FH (60°-80°)	11035.8	41.3			G4/12000
FVH (80°-90°)	116.6	0.4			G2/225
BL (0°-30°)	880.8	3.3	B2/1000		
BM (30°-60°)	697.1	2.6	B1/1000		
BH (60°-80°)	298.0	1.1	B1/500		G1/500
BVH (80°-90°)	4.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short





REPORT NUMBER: P482712

CATALOG NUMBER: IFLD-L-SA8C-722-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6
2.5°	3941.1	3904.7	3941.1	3993.6	4021.9	4046.2	4131.0	4203.8	4280.6	4333.2	4317.0
5°	3654.1	3722.8	3730.9	3747.0	3791.5	3937.0	3985.5	4110.8	4300.8	4317.0	4389.7
7.5°	3427.7	3407.5	3460.1	3565.2	3678.3	3763.2	3904.7	4123.0	4321.0	4389.7	4531.2
10°	3100.3	3140.7	3197.3	3302.4	3439.8	3650.0	3900.6	4143.2	4426.1	4450.4	4713.1
12.5°	2922.5	2882.0	2971.0	3080.1	3314.5	3508.6	3815.8	4106.8	4490.8	4624.2	4927.3
15°	2776.9	2797.1	2882.0	2954.8	3148.8	3395.4	3755.1	4195.7	4599.9	4692.9	5153.7
17.5°	2716.3	2704.2	2768.9	2841.6	3080.1	3359.0	3730.9	4199.8	4696.9	4818.2	5307.3
20°	2744.6	2768.9	2748.6	2817.4	2966.9	3249.9	3767.3	4276.6	4769.7	4935.4	5473.0
22.5°	3189.2	3156.9	2995.2	2865.9	2873.9	3205.4	3739.0	4325.1	4834.4	4967.8	5586.2
25°	4349.3	4175.5	3775.3	3278.2	2950.7	3084.1	3706.6	4308.9	4822.3	4988.0	5654.9
27.5°	5517.5	5367.9	4975.9	4203.8	3262.0	3035.6	3593.4	4321.0	4761.6	4915.2	5541.7
30°	6750.3	6831.2	6249.1	5331.6	4078.5	3302.4	3520.7	4256.4	4721.2	4850.5	5566.0
32.5°	8015.5	7983.2	7631.5	6637.2	5246.7	3892.6	3637.9	4321.0	4773.7	4899.1	5707.5
35°	9005.8	8892.7	8537.0	7639.6	6212.7	4781.8	4042.1	4628.2	5004.1	5153.7	5909.6
37.5°	9494.9	9543.4	9337.3	8557.2	7271.8	5606.4	4547.4	4628.2	5076.9	5250.7	6237.0
40°	9874.9	10020.4	9943.6	9693.0	8322.7	6536.1	5105.2	4915.2	5444.7	5772.1	6851.4
42.5°	10331.7	10262.9	10715.7	10485.3	9697.0	7708.3	6083.4	5598.3	6313.8	6629.1	7773.0
45°	10574.2	10836.9	11180.5	11475.6	10970.3	9171.6	7360.7	6806.9	7643.7	8043.8	9143.3
47.5°	11196.7	11301.8	11859.6	12231.5	12005.1	10845.0	9300.9	8573.3	9317.1	9947.7	10711.6
50°	11560.5	11419.0	12199.1	12765.0	12894.4	12231.5	11039.0	10473.1	11305.8	12110.2	12178.9
52.5°	11241.1	11645.3	12425.5	13440.1	13799.8	13468.3	13080.3	12833.7	13419.8	14163.6	13832.1
55°	10121.5	10396.3	12296.1	14179.8	15339.8	15186.2	15546.0	15384.3	15974.5	16762.7	15764.3
57.5°	9220.1	9563.7	11233.1	14563.8	16774.8	17227.5	17680.2	17579.2	18290.6	19200.1	17401.3
60°	8658.2	8856.3	10465.1	14466.8	17623.6	19337.5	20360.2	19648.7	20808.8	21504.1	18682.7
62.5°	7684.1	7809.4	9345.4	13181.4	17878.3	20829.0	22563.1	21597.1	22603.5	23452.4	19604.3
65°	6160.2	6499.7	7769.0	11257.3	16196.8	21103.9	23937.4	22801.6	23775.8	24333.6	19883.2
66°	5606.4	5853.0	7017.1	10238.7	15238.8	20647.2	23707.0	23052.2	23945.5	24454.8	19454.7
67.5°	4652.5	4866.7	5792.4	8787.6	13278.4	19640.7	23868.7	22882.4	24074.9	23763.6	18880.7
70°	3080.1	3217.5	3961.3	5941.9	9248.4	16067.4	22138.7	21556.6	21164.5	19996.4	14761.8
72.5°	1439.0	1637.1	2473.8	3601.5	5424.5	11241.1	18052.1	17272.0	14842.7	12975.2	9313.0
75°	650.8	739.7	1358.2	2065.5	2433.4	5824.7	11645.3	10517.6	7389.0	6135.9	4078.5
77.5°	351.7	400.2	662.9	982.2	885.2	2041.3	5764.1	4794.0	2328.3	1705.8	1184.3
80°	270.8	319.3	553.8	561.9	327.4	529.5	2142.3	1483.5	582.1	440.6	282.9
82.5°	141.5	202.1	436.5	363.8	165.7	214.2	662.9	412.3	181.9	145.5	121.3
85°	56.6	88.9	246.6	242.5	97.0	72.8	185.9	125.3	72.8	60.6	56.6
87.5°	4.0	4.0	133.4	93.0	60.6	20.2	28.3	28.3	36.4	32.3	40.4
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: P482712
 CATALOG NUMBER: IFLD-L-SA8C-722-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6	4284.6
2.5°	4389.7	4438.2	4446.3	4579.7	4608.0	4579.7	4652.5	4640.4	4672.7	4648.4	4604.0
5°	4490.8	4559.5	4692.9	4794.0	4794.0	4713.1	4648.4	4563.6	4438.2	4405.9	4381.7
7.5°	4664.6	4882.9	5004.1	4939.5	4810.1	4507.0	4086.6	3779.4	3520.7	3423.7	3379.2
10°	4971.8	5093.1	5234.5	4971.8	4434.2	3791.5	3084.1	2619.3	2255.5	2174.7	2114.0
12.5°	5169.9	5363.9	5444.7	4794.0	3739.0	2781.0	2013.0	1487.5	1232.8	1038.8	1006.5
15°	5428.6	5650.9	5485.2	4312.9	2946.7	1823.0	1042.9	650.8	529.5	497.2	497.2
17.5°	5606.4	5848.9	5319.4	3714.7	2089.8	970.1	517.4	448.7	440.6	444.6	436.5
20°	5917.7	6063.2	5068.8	3019.5	1249.0	497.2	416.3	400.2	392.1	404.2	396.1
22.5°	6034.9	6168.3	4660.6	2186.8	561.9	331.5	311.2	299.1	307.2	303.2	299.1
25°	6026.8	6095.5	3989.6	1253.1	165.7	129.3	117.2	117.2	109.1	113.2	109.1
27.5°	6087.4	5917.7	3237.7	371.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	6119.8	5630.7	2304.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6135.9	5481.1	1483.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6261.2	5182.0	634.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6346.1	4798.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6697.8	4676.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7154.6	4450.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	7789.2	4114.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8629.9	3916.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	9256.5	3605.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	10052.8	3419.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10998.6	3427.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	11859.6	3371.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	12300.2	2882.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	12207.2	2332.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	11883.8	1831.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	11661.5	1620.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	10986.5	1297.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	8743.1	889.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	5562.0	545.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2562.7	250.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	804.4	153.6	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	210.2	97.0	32.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	109.1	68.7	28.3	12.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	68.7	28.3	12.1	8.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	60.6	16.2	8.1	8.1	4.0	0.0	0.0	0.0	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)