

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: P481721

Luminaire Tested: **IFLD-S-SA6B-750-U-T2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481721
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

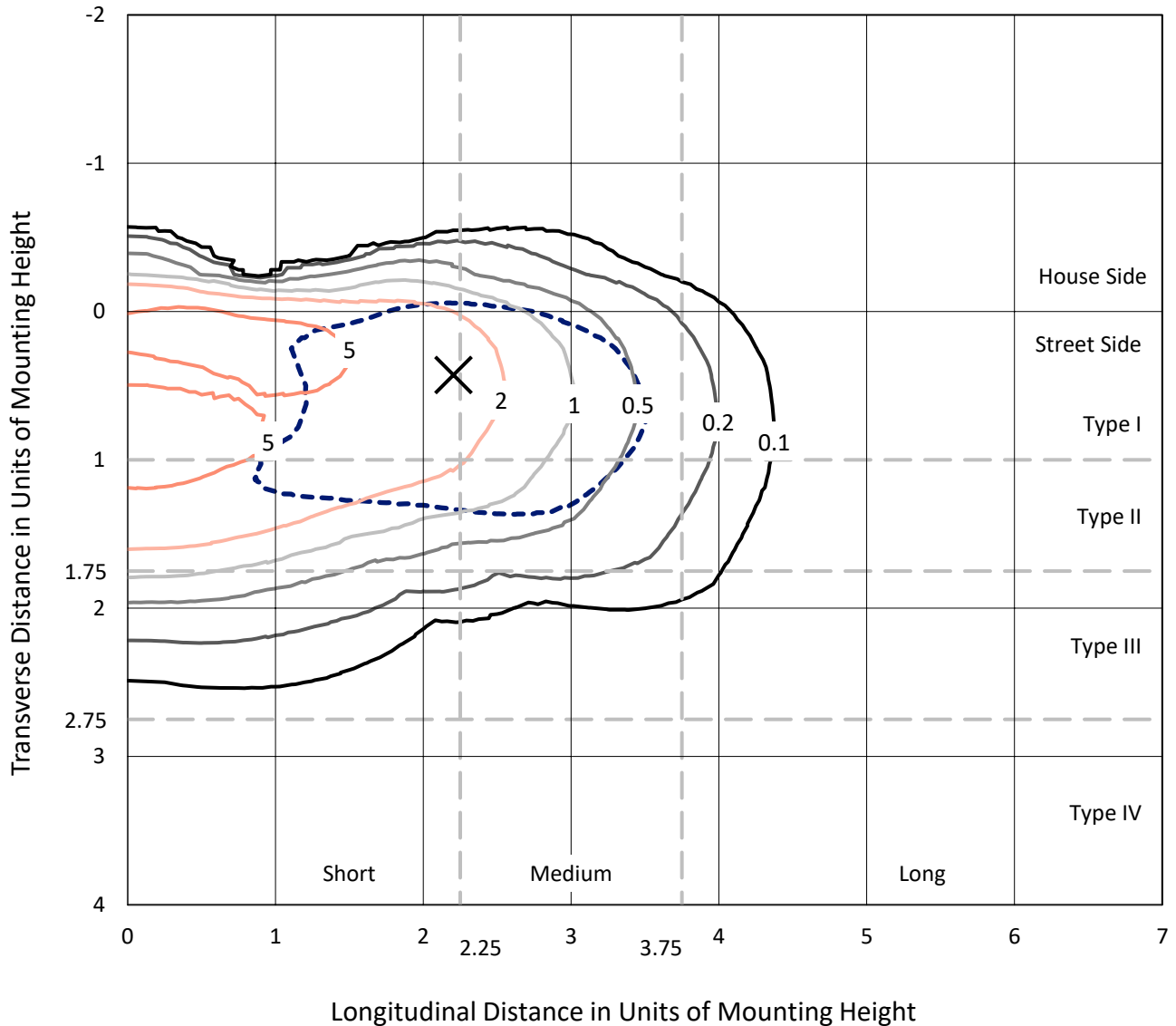
Lumens per Lamp: N/A
Luminaire Lumens: 24588.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

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

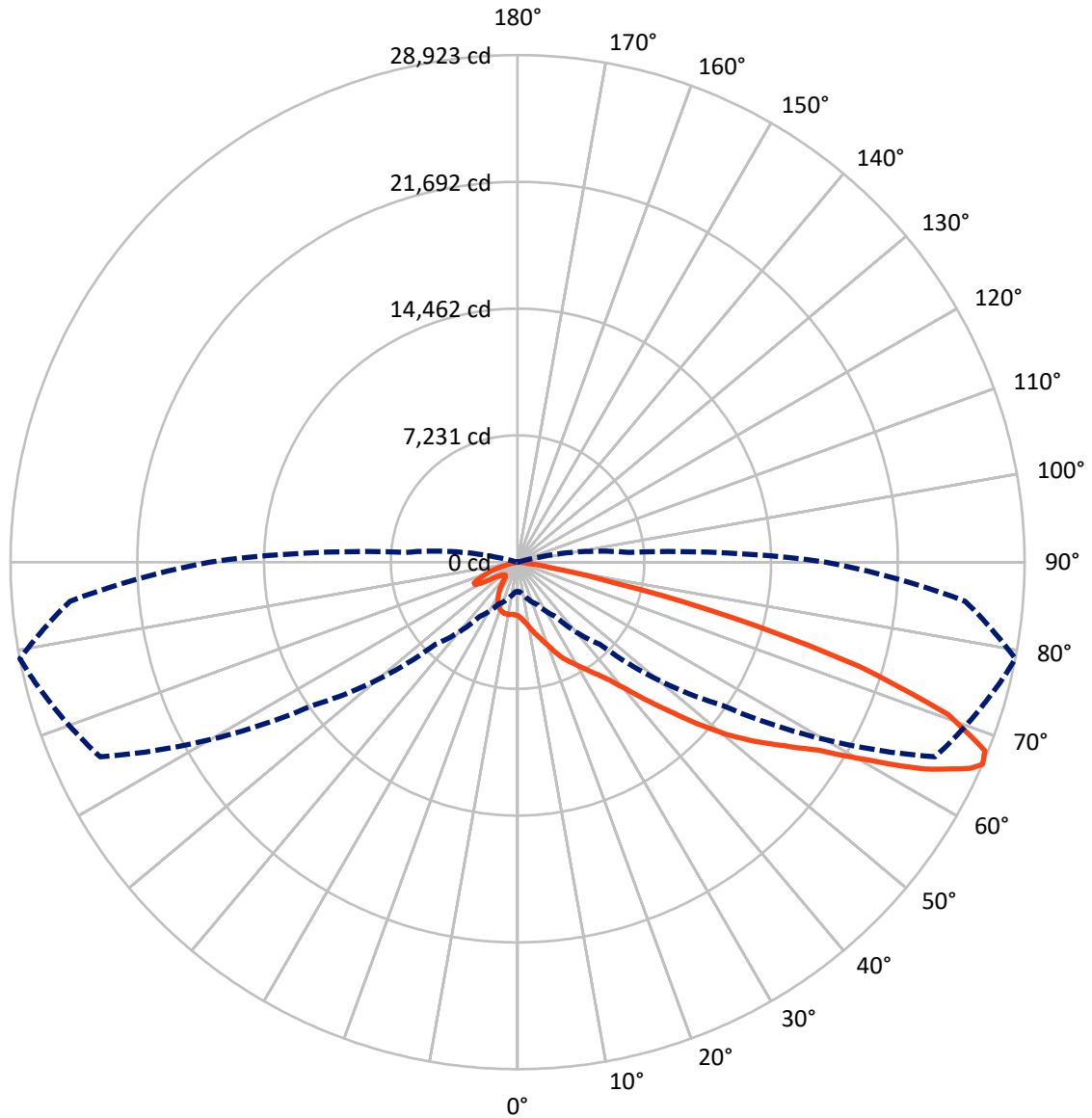
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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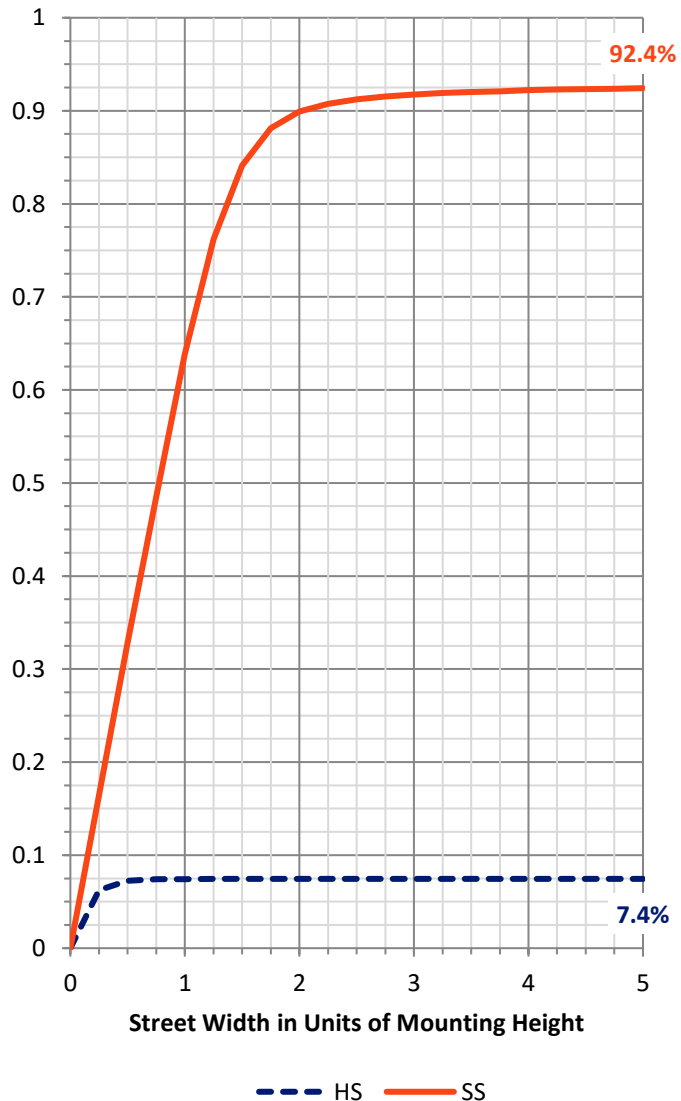
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1846.3	0.0	1846.3
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	22742.2	0.0	22742.2
	% Fixture	92.5	0.0	92.5
Total	Lumens	24588.5	0.0	24588.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.3	1.2
10°-20°	796.2	3.2
20°-30°	1322.7	5.4
30°-40°	2271.9	9.2
40°-50°	4115.8	16.7
50°-60°	6506.0	26.5
60°-70°	6620.3	26.9
70°-80°	2524.7	10.3
80°-90°	141.5	0.6
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°	24588.5	100.0
0°-180°	24588.5	100.0

Coefficient of Utilization

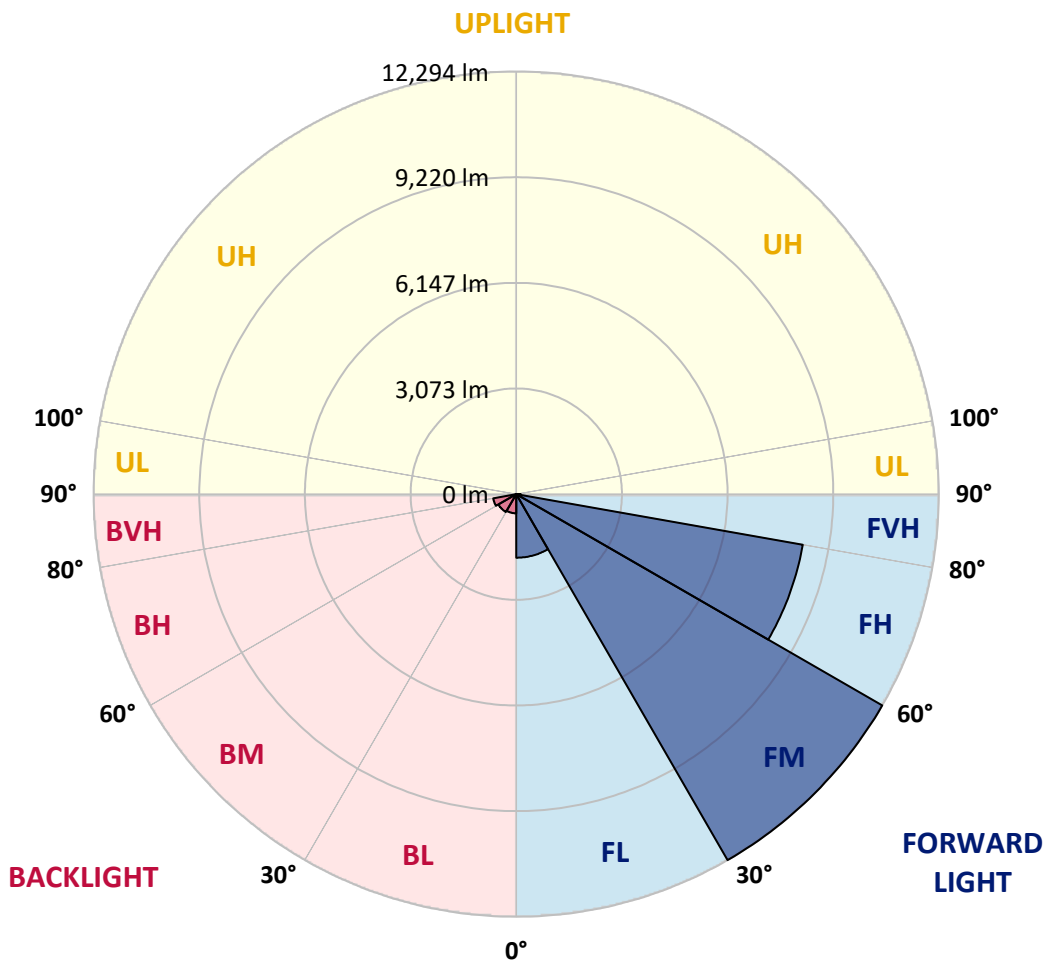


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1849.9	7.5			
FM (30°-60°)	12293.7	50.0			
FH (60°-80°)	8464.4	34.4			G4/12000
FVH (80°-90°)	134.3	0.5			G2/225
BL (0°-30°)	558.4	2.3	B2/1000		
BM (30°-60°)	600.1	2.4	B1/1000		
BH (60°-80°)	680.6	2.8	B2/1000		G2/1000
BVH (80°-90°)	7.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1
2.5°	3464.7	3460.9	3445.8	3419.2	3385.1	3373.7	3324.4	3256.2	3218.3	3176.6	3157.7
5°	3703.5	3684.6	3730.1	3711.1	3718.7	3627.7	3567.1	3517.8	3373.7	3316.9	3225.9
7.5°	3756.6	3775.5	3771.8	3802.1	3832.4	3866.5	3824.8	3752.8	3608.8	3525.4	3426.8
10°	3756.6	3749.0	3779.3	3821.0	3908.2	3984.0	4097.8	4003.0	3893.1	3794.5	3616.3
12.5°	3688.4	3677.0	3707.3	3794.5	3949.9	4105.3	4230.4	4321.4	4166.0	4086.4	3855.1
15°	3479.9	3468.5	3593.6	3749.0	3953.7	4207.7	4469.2	4617.1	4510.9	4385.8	4128.1
17.5°	3222.1	3237.3	3369.9	3627.7	3953.7	4257.0	4590.5	4912.8	4897.6	4738.4	4469.2
20°	3134.9	3146.3	3279.0	3464.7	3836.2	4291.1	4780.1	5235.0	5325.9	5136.4	4783.9
22.5°	3301.7	3290.3	3301.7	3415.4	3756.6	4260.8	4905.2	5602.7	5765.7	5617.8	5197.1
25°	3870.3	3862.7	3768.0	3593.6	3711.1	4192.5	4969.6	5845.3	6220.5	6084.1	5530.6
27.5°	4704.3	4673.9	4526.1	4162.2	3923.4	4234.2	5075.8	6080.3	6618.6	6463.2	5830.1
30°	5598.9	5526.8	5333.5	4878.6	4473.0	4389.6	5136.4	6254.7	7062.1	6865.0	6091.7
32.5°	6216.8	6311.5	6250.9	5788.4	5166.7	4749.8	5235.0	6474.5	7471.5	7342.6	6539.0
35°	7172.0	7281.9	7028.0	6618.6	5993.1	5322.1	5443.5	6652.7	8100.7	7884.7	6955.9
37.5°	8377.5	8460.9	8278.9	7501.8	6842.2	6027.2	5871.8	7024.2	8642.8	8540.5	7490.4
40°	8984.0	9385.8	9128.0	8426.7	7717.9	7012.8	6580.7	7460.1	9586.7	9503.3	8229.6
42.5°	9821.7	10022.6	9889.9	9370.6	8631.4	8066.6	7456.3	8309.2	10731.5	10731.5	9230.4
45°	10708.7	10716.3	10708.7	10284.2	9628.4	9336.5	8639.0	9374.4	11963.5	12099.9	10428.2
47.5°	11436.6	11664.0	11645.0	11391.1	10883.1	10773.2	9821.7	10587.4	13510.1	13748.9	11595.8
50°	11811.8	12065.8	12141.6	12274.3	12251.6	12482.8	11114.3	11993.8	14844.4	15432.0	13096.9
52.5°	11709.5	11728.4	12194.7	12717.8	13551.8	14200.0	12672.3	13589.7	16406.2	16986.1	14256.8
55°	10871.7	10799.7	11758.8	12357.7	14082.5	15250.0	14829.2	15579.8	17623.0	18506.2	15454.7
57.5°	9033.2	9052.2	9939.2	11156.0	13688.2	15667.0	17134.0	18180.2	19328.8	20219.6	17137.8
60°	6235.7	6213.0	7206.1	8612.5	11372.1	14889.9	18460.7	21550.2	21610.8	22873.1	20159.0
62.5°	3506.4	3514.0	4268.3	5470.0	7956.7	12168.2	18396.3	25128.6	24870.8	25977.7	23593.3
65°	1986.3	2035.6	2554.9	3241.1	4764.9	8169.0	15822.4	26553.9	27384.0	28369.6	25678.2
66°	1679.3	1713.4	2156.9	2676.2	3802.1	6626.2	14241.7	26277.2	28172.5	28923.1	25636.5
67.5°	1300.2	1345.7	1717.2	2122.8	2790.0	4586.8	11463.1	24901.1	28316.6	28756.3	24912.5
70°	890.8	921.1	1205.4	1611.0	1906.7	2346.4	6853.6	20587.3	25693.4	26064.9	21652.5
72.5°	625.5	640.6	845.3	1220.6	1467.0	1341.9	3400.3	14647.3	19662.4	20386.4	16842.1
75°	451.1	466.3	580.0	875.7	1144.8	879.4	1558.0	9355.5	12058.2	12626.8	10143.9
77.5°	326.0	345.0	394.2	564.8	830.2	617.9	765.7	4886.2	5686.1	5587.5	4363.1
80°	197.1	216.1	291.9	363.9	606.5	435.9	420.8	2039.4	2016.7	1914.3	1372.2
82.5°	91.0	106.1	155.4	246.4	424.6	303.3	200.9	727.8	636.8	583.8	386.7
85°	26.5	34.1	91.0	185.7	216.1	147.8	121.3	250.2	261.6	223.7	128.9
87.5°	0.0	3.8	41.7	45.5	64.4	49.3	45.5	64.4	121.3	98.6	41.7
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°	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1	3059.1
2.5°	3089.4	3062.9	2998.4	2899.9	2812.7	2767.2	2702.8	2645.9	2615.6	2611.8	2608.0
5°	3165.2	3093.2	2937.8	2759.6	2627.0	2482.9	2384.4	2312.3	2244.1	2179.7	2217.6
7.5°	3267.6	3153.9	2899.9	2668.7	2380.6	2194.8	2020.4	1918.1	1857.4	1800.6	1793.0
10°	3426.8	3282.7	2873.4	2456.4	2126.6	1853.7	1675.5	1527.7	1444.3	1345.7	1383.6
12.5°	3642.9	3385.1	2774.8	2263.1	1838.5	1550.4	1296.4	1057.6	924.9	822.6	826.4
15°	3858.9	3521.6	2683.8	2028.0	1576.9	1197.9	826.4	663.4	625.5	602.7	610.3
17.5°	4071.2	3631.5	2543.6	1789.2	1277.5	761.9	602.7	568.6	549.7	526.9	526.9
20°	4329.0	3703.5	2369.2	1569.4	879.4	564.8	515.5	492.8	462.5	432.1	435.9
22.5°	4579.2	3764.2	2168.3	1288.8	591.3	489.0	432.1	401.8	375.3	345.0	345.0
25°	4829.4	3783.1	1906.7	924.9	477.6	390.4	337.4	295.7	269.1	242.6	246.4
27.5°	4999.9	3665.6	1660.3	591.3	382.9	295.7	235.0	200.9	178.2	151.6	151.6
30°	5098.5	3449.5	1395.0	417.0	288.1	200.9	140.3	106.1	83.4	64.4	60.7
32.5°	5197.1	3275.2	1095.5	318.4	189.5	106.1	53.1	19.0	0.0	0.0	0.0
35°	5394.2	3078.1	735.4	178.2	64.4	3.8	0.0	0.0	0.0	0.0	0.0
37.5°	5519.3	2805.1	337.4	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5833.9	2668.7	83.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6345.6	2573.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6906.7	2536.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7653.4	2638.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8441.9	2915.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9306.2	3176.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10060.5	3491.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	11447.9	4234.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13938.4	5693.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	16743.5	6777.8	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	17770.8	6751.2	72.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	17588.9	6379.8	72.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	16645.0	5667.1	64.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	14294.7	4681.5	64.4	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	10898.3	3646.7	60.7	15.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	6576.9	1940.8	49.3	19.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2619.4	682.3	37.9	15.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	708.9	204.7	22.7	15.2	11.4	3.8	0.0	0.0	0.0	0.0	0.0
82.5°	185.7	75.8	19.0	15.2	7.6	3.8	0.0	0.0	0.0	0.0	0.0
85°	72.0	30.3	15.2	11.4	11.4	7.6	3.8	0.0	0.0	0.0	0.0
87.5°	22.7	11.4	11.4	7.6	7.6	3.8	3.8	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)