

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: P481995

Luminaire Tested: **IFLD-S-SA6C-730-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481995
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

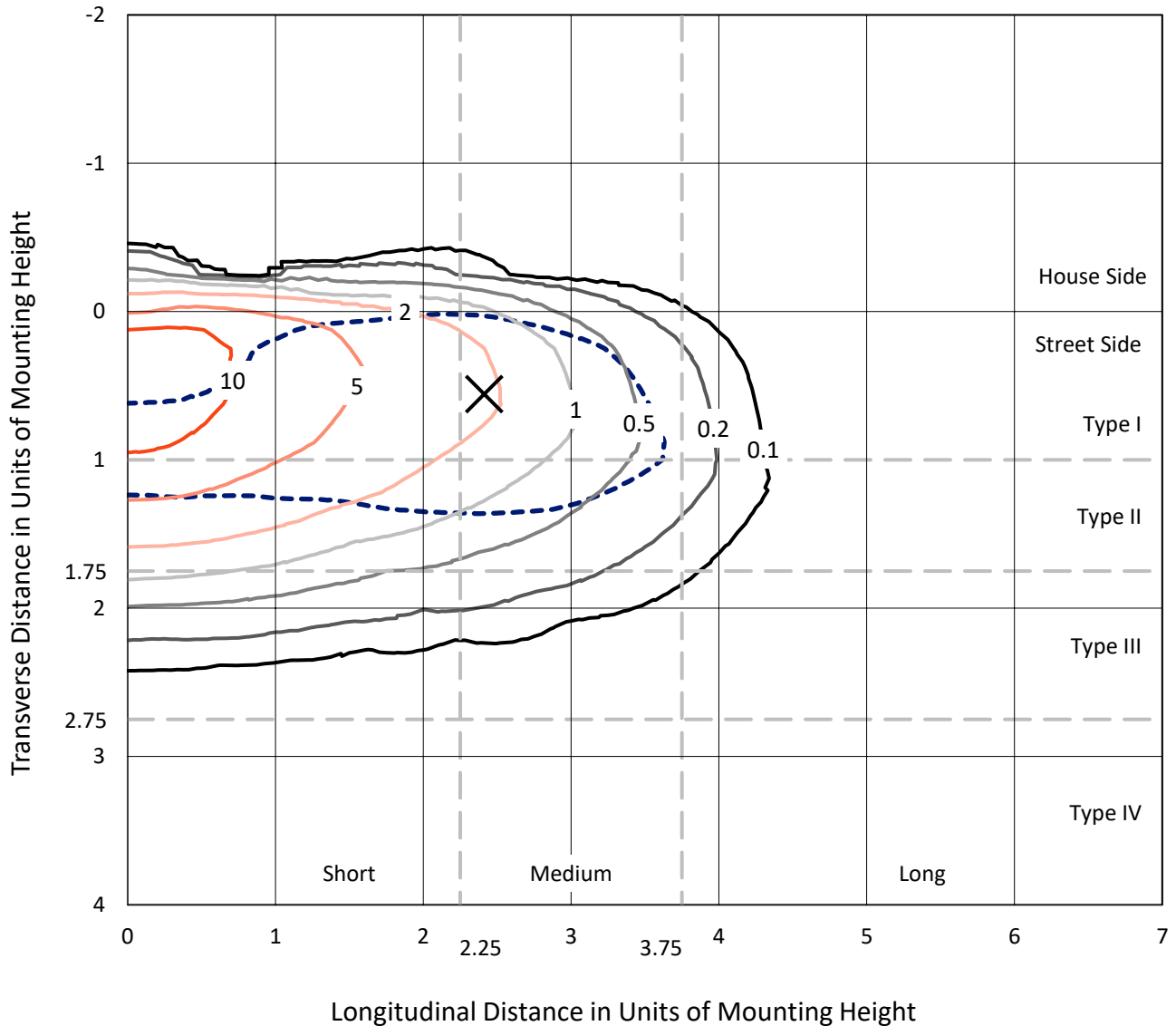
Lumens per Lamp: N/A
Luminaire Lumens: 29747.8 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G4

Input Watts (W): 321.5
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

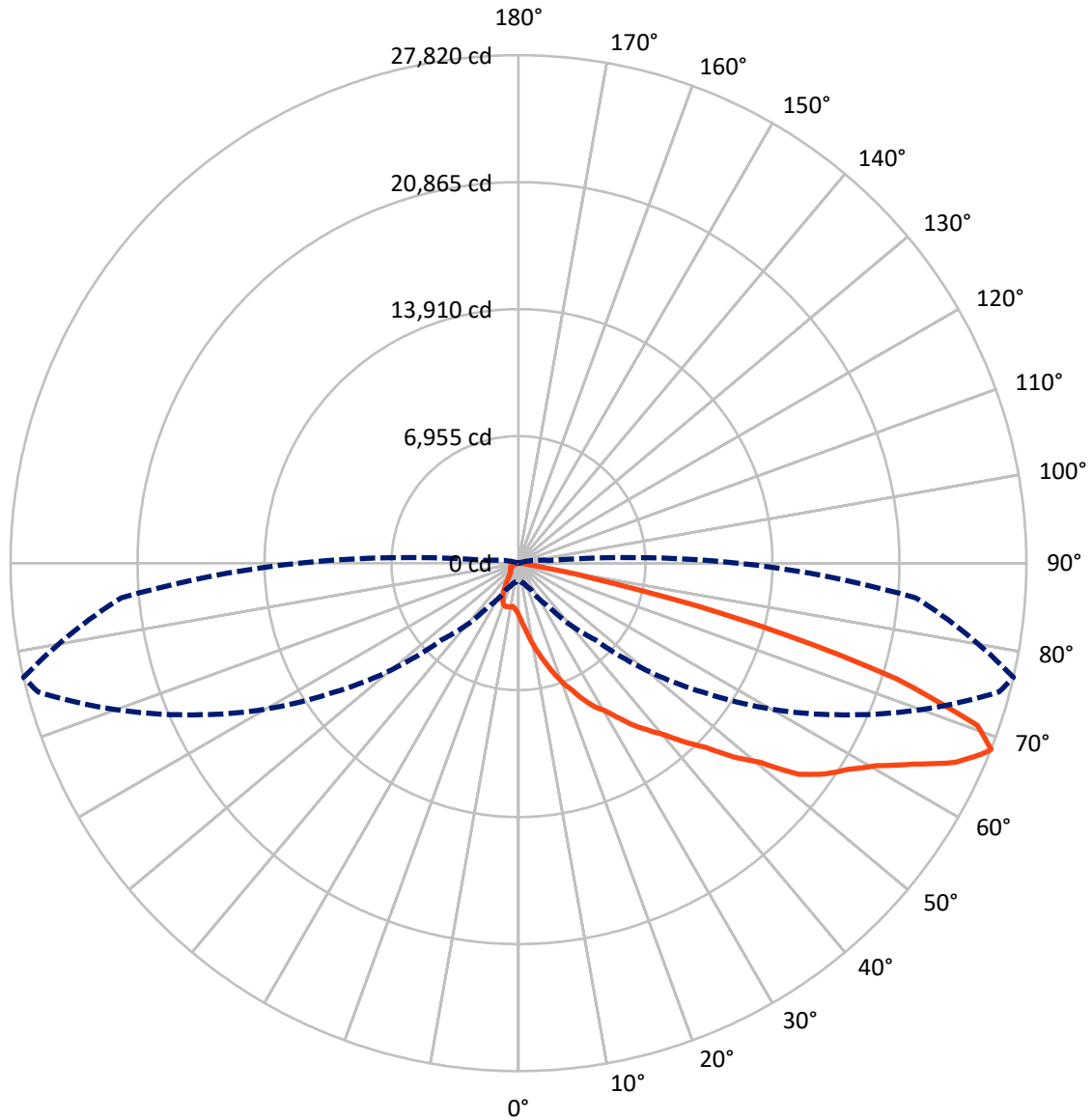
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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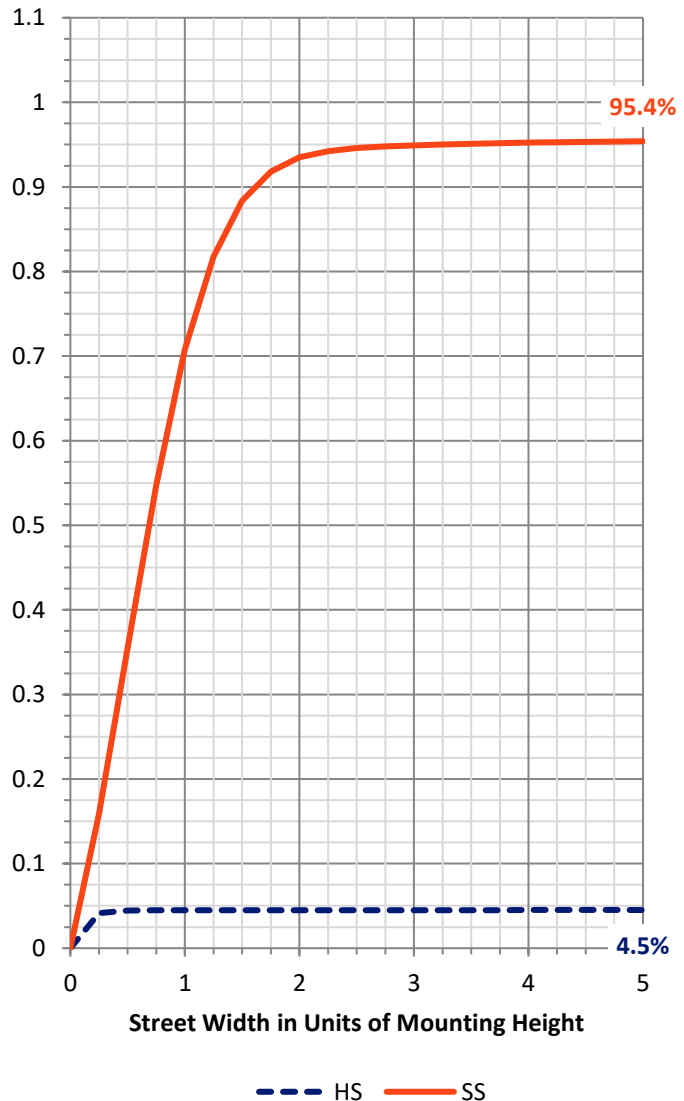
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1349.0	0.0	1349.0
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	28398.8	0.0	28398.8
	% Fixture	95.5	0.0	95.5
Total	Lumens	29747.8	0.0	29747.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.8	1.1
10°-20°	1227.3	4.1
20°-30°	2378.5	8.0
30°-40°	4146.5	13.9
40°-50°	6073.0	20.4
50°-60°	7134.8	24.0
60°-70°	6024.7	20.3
70°-80°	2335.3	7.9
80°-90°	95.0	0.3
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°	29747.8	100.0
0°-180°	29747.8	100.0

Coefficient of Utilization



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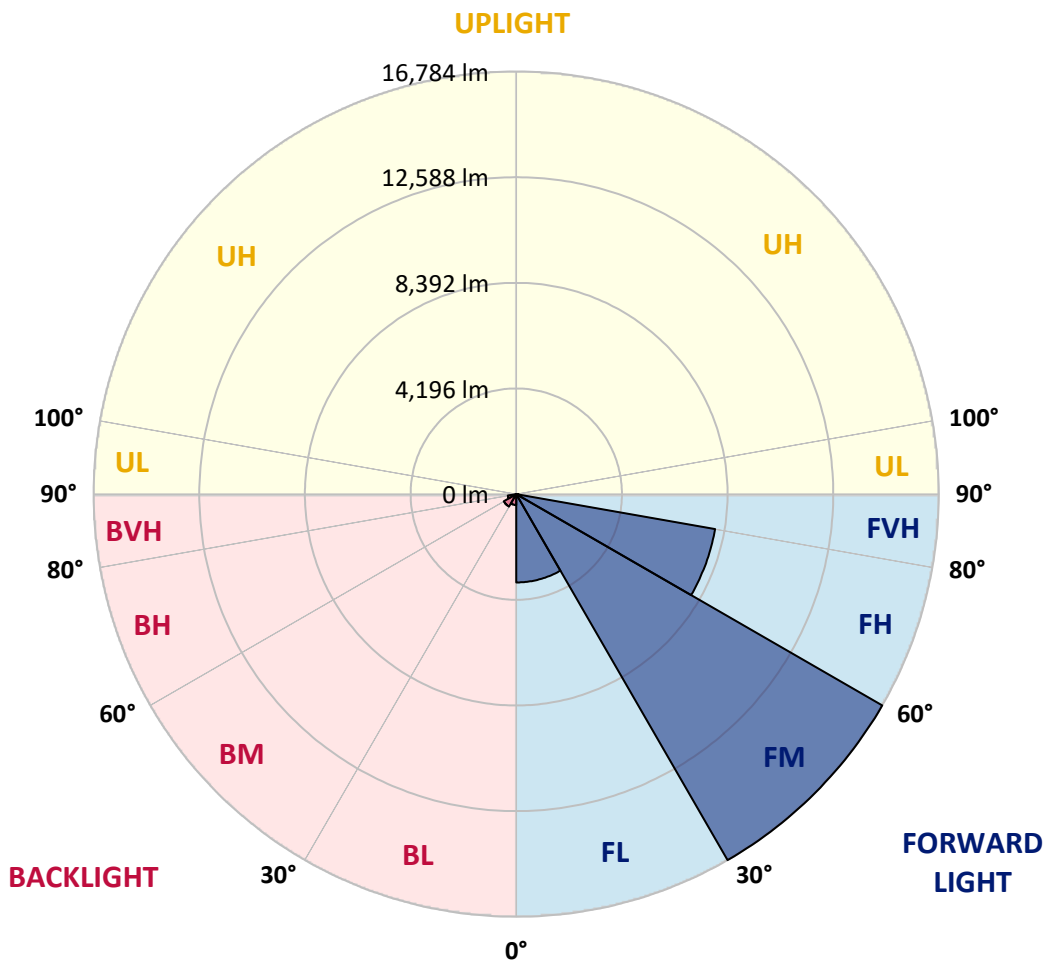
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3507.5	11.8			
FM (30°-60°)	16784.2	56.4			
FH (60°-80°)	8019.4	27.0			G4/12000
FVH (80°-90°)	87.6	0.3			G1/100
BL (0°-30°)	431.0	1.4	B1/500		
BM (30°-60°)	570.0	1.9	B1/1000		
BH (60°-80°)	340.6	1.1	B1/500		G1/500
BVH (80°-90°)	7.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4
2.5°	4327.9	4246.0	4159.9	4135.3	3975.5	3795.1	3627.1	3463.2	3188.6	3192.7	3004.1
5°	5577.9	5475.5	5405.8	5389.4	5139.4	4827.9	4573.8	4110.7	3655.8	3553.3	3209.1
7.5°	6606.6	6573.9	6471.4	6385.3	6200.9	5819.7	5520.6	4856.6	4164.0	4049.2	3459.1
10°	7229.6	7278.8	7323.9	7213.2	7069.8	6795.2	6385.3	5668.1	4741.9	4598.4	3782.8
12.5°	7893.5	7811.6	7840.3	7930.4	7741.9	7680.4	7172.2	6504.2	5418.1	5143.5	4192.7
15°	8065.7	8098.5	8168.1	8430.4	8557.5	8381.3	7942.7	7180.4	6118.9	5737.8	4573.8
17.5°	8180.4	8164.0	8250.1	8643.6	8836.2	9004.2	8729.6	7934.5	6729.6	6389.4	5049.2
20°	8323.9	8233.7	8422.2	8672.2	9119.0	9471.4	9459.1	8692.7	7368.9	7008.3	5520.6
22.5°	8856.7	8787.0	8938.6	8963.2	9274.7	9766.5	9885.4	9311.6	8024.7	7582.1	6028.8
25°	9840.3	9967.3	9787.0	9631.3	9725.5	10049.3	10135.4	9860.8	8684.5	8278.8	6537.0
27.5°	11278.8	11262.4	10905.9	10705.1	10479.6	10438.7	10500.1	10373.1	9205.0	8914.0	6955.0
30°	12823.9	12688.7	12360.8	11877.2	11381.3	11073.9	10987.8	10856.7	9815.7	9393.6	7368.9
32.5°	14053.5	14127.2	13762.5	13131.3	12307.5	11893.6	11479.7	11336.2	10487.8	10114.9	7844.4
35°	15184.6	15086.3	14795.3	14262.5	13524.8	12856.7	12209.2	11901.8	11295.2	10926.4	8369.0
37.5°	16020.7	16143.6	15590.4	15082.2	14348.5	13795.3	13160.0	12487.9	12127.2	11635.4	9008.3
40°	16811.7	16619.1	16246.1	15778.9	15098.6	14676.4	14258.4	13209.2	13012.5	12377.2	9729.6
42.5°	16672.3	16684.6	16479.7	16102.7	15610.9	15369.0	15225.6	14086.2	13815.8	13410.0	10434.6
45°	16102.7	16151.8	16221.5	16037.1	16078.1	15836.3	16221.5	15094.5	14828.1	14397.7	11246.0
47.5°	15475.6	15557.6	15541.2	15877.3	16258.4	16340.4	17303.5	16213.3	16098.6	15860.9	12369.0
50°	14434.6	14467.4	14783.0	15393.6	15914.1	16770.7	18115.0	17434.6	17610.9	17143.7	13705.1
52.5°	12655.9	12774.8	13586.2	14459.2	15508.4	16987.9	18664.2	19250.2	19697.0	19217.5	14987.9
55°	10405.9	10569.8	11369.0	13004.3	14541.2	16660.0	19164.2	20209.3	21115.0	20389.6	15766.6
57.5°	8373.1	8389.5	9106.7	10795.2	13168.2	16016.6	19418.3	20676.5	21893.7	21311.7	16717.4
60°	6381.2	6315.7	6959.1	8422.2	10856.7	14434.6	18783.0	20914.2	22865.0	22529.0	17860.9
62.5°	4106.6	4004.1	4705.0	6131.2	8479.6	11799.3	17512.5	20918.3	24381.5	24254.4	19774.8
65°	2032.8	1963.1	2565.6	3758.2	5868.9	9024.7	15701.0	20840.4	26233.9	26315.9	21639.6
67.5°	1073.8	1098.4	1291.0	1905.8	3385.3	6377.1	12971.5	19926.5	27180.7	27639.7	22090.4
68°	987.7	995.9	1147.6	1586.1	2938.6	5914.0	12323.9	19660.1	27254.4	27820.0	21840.4
70°	803.3	815.6	868.9	995.9	1590.2	3848.4	9508.3	17397.8	26143.8	26660.2	19770.7
72.5°	639.4	676.2	709.0	762.3	934.4	2020.5	5914.0	13557.6	21598.6	21656.0	15389.5
75°	487.7	516.4	582.0	627.1	729.5	1110.7	2815.6	8266.5	14172.3	13475.6	9065.7
77.5°	377.1	401.6	430.3	491.8	610.7	750.0	860.7	3508.2	6020.6	4955.0	2561.5
80°	225.4	241.8	336.1	385.3	532.8	508.2	340.2	975.4	1221.3	963.1	467.2
82.5°	131.1	143.4	192.6	295.1	373.0	274.6	200.8	303.3	299.2	262.3	155.7
85°	4.1	8.2	106.6	176.2	131.1	73.8	123.0	127.1	106.6	98.4	69.7
87.5°	0.0	4.1	28.7	24.6	28.7	16.4	24.6	32.8	41.0	36.9	28.7
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°	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4	2848.4
2.5°	2877.1	2786.9	2586.1	2434.5	2270.5	2172.2	2073.8	2012.3	1979.5	1959.0	1975.4
5°	2950.9	2762.3	2438.6	2151.7	1963.1	1836.1	1709.0	1643.5	1582.0	1549.2	1569.7
7.5°	3114.8	2832.0	2295.1	1983.6	1762.3	1565.6	1405.8	1278.7	1204.9	1139.4	1151.7
10°	3315.6	2873.0	2299.2	1885.3	1565.6	1254.1	1028.7	868.9	778.7	721.3	717.2
12.5°	3520.5	3032.8	2315.6	1786.9	1323.8	942.6	676.2	557.4	504.1	475.4	475.4
15°	3832.0	3176.3	2274.6	1606.6	1004.1	614.8	463.1	422.1	401.6	377.1	381.2
17.5°	4102.5	3405.8	2254.1	1336.1	688.5	442.6	385.3	340.2	319.7	295.1	295.1
20°	4467.3	3549.2	2143.5	1032.8	475.4	368.9	311.5	270.5	237.7	217.2	221.3
22.5°	4799.2	3659.9	1946.7	704.9	364.8	291.0	229.5	188.5	159.8	135.2	139.3
25°	5159.9	3770.5	1659.9	434.4	258.2	180.3	123.0	90.2	61.5	45.1	45.1
27.5°	5418.1	3803.3	1286.9	258.2	155.7	82.0	28.7	4.1	0.0	0.0	0.0
30°	5680.4	3815.6	889.4	139.3	61.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5979.6	3811.5	557.4	73.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0
35°	6209.1	3741.9	266.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6557.5	3639.4	82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6955.0	3455.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7311.6	3266.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	7717.3	3032.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8430.4	2934.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	9360.8	2856.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9934.6	2627.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10233.7	2389.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	10676.4	2274.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	11332.1	2282.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	12356.7	2397.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	12922.3	2282.8	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	12442.8	1827.9	77.9	20.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0
68°	12028.8	1680.3	77.9	20.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	9942.7	1094.3	73.8	20.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	7241.9	606.6	61.5	16.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	4213.2	303.3	45.1	16.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1098.4	151.6	36.9	20.5	12.3	4.1	0.0	0.0	0.0	0.0	0.0
80°	217.2	98.4	32.8	24.6	16.4	8.2	0.0	0.0	0.0	0.0	0.0
82.5°	102.5	69.7	32.8	24.6	20.5	12.3	4.1	0.0	0.0	0.0	0.0
85°	53.3	32.8	32.8	24.6	24.6	16.4	8.2	0.0	0.0	0.0	0.0
87.5°	24.6	12.3	12.3	12.3	12.3	8.2	4.1	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)