

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: P484647

Luminaire Tested: **IFLD-S-SA6C-722-U-SL4-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P484647
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-722-U-SL4-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

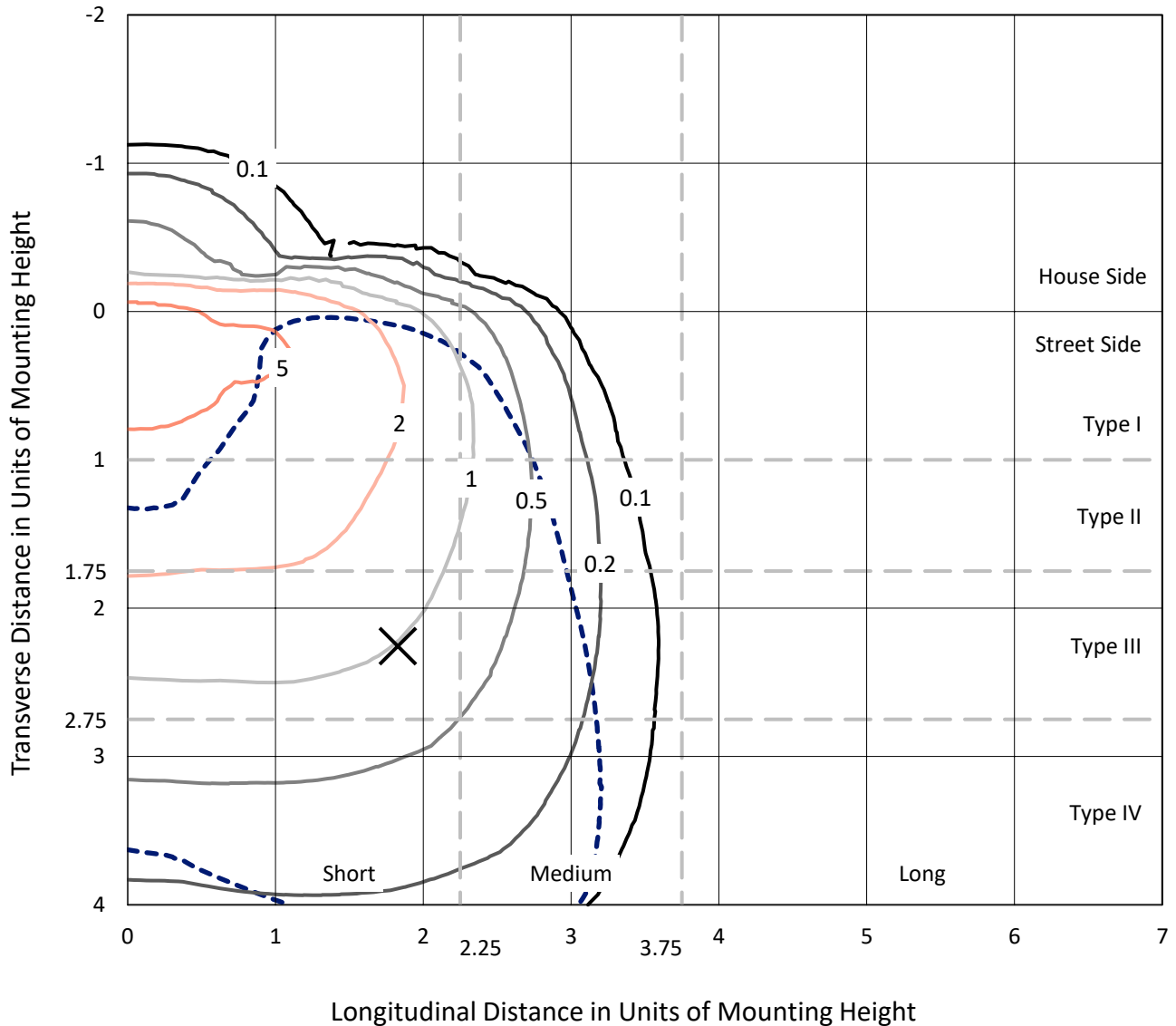
Lumens per Lamp: N/A
Luminaire Lumens: 25285 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

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

REPORT NUMBER: P484647
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

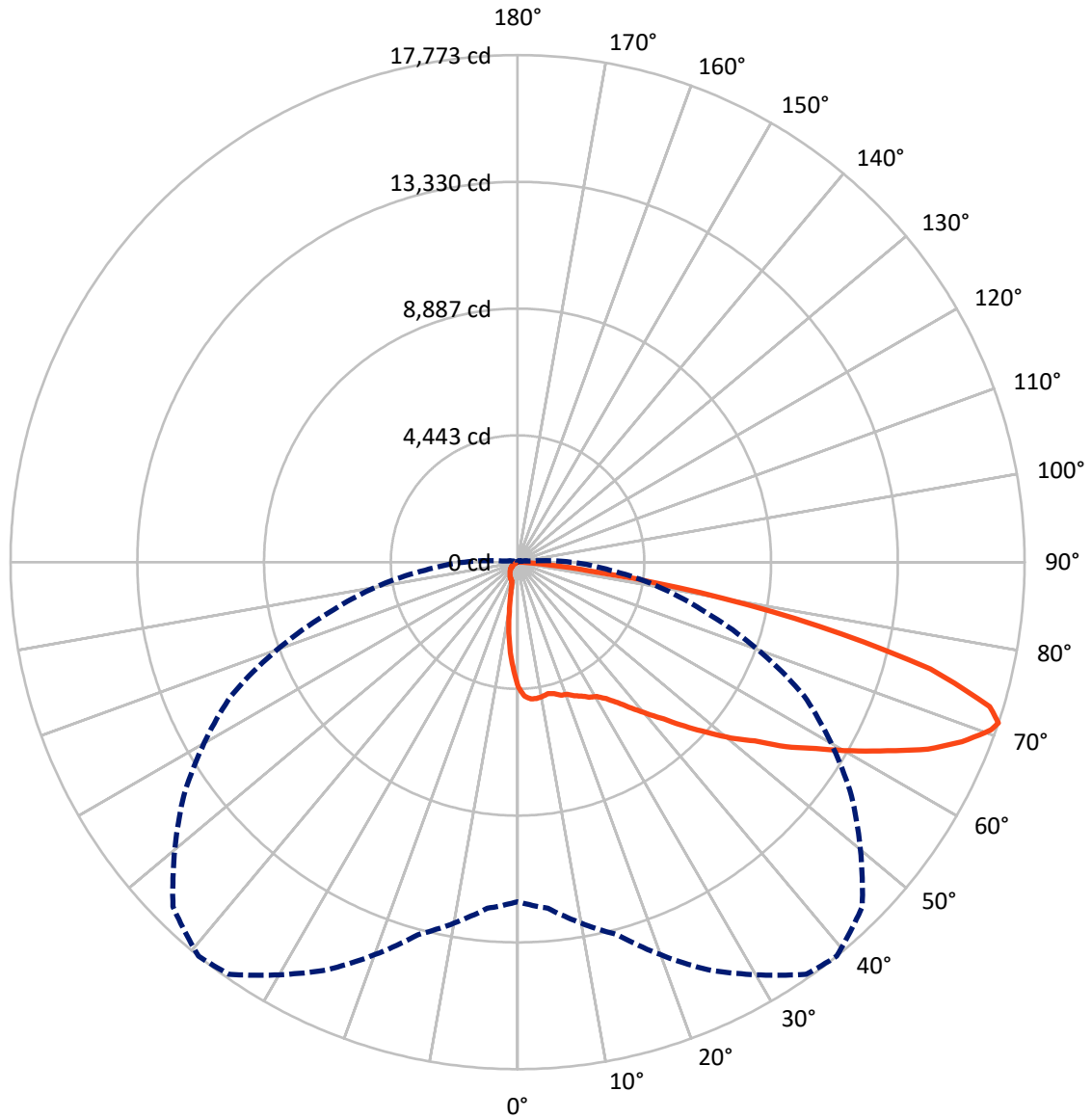
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P484647
CATALOG NUMBER: IFLD-S-SA6C-722-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P484647
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SL4-HSS

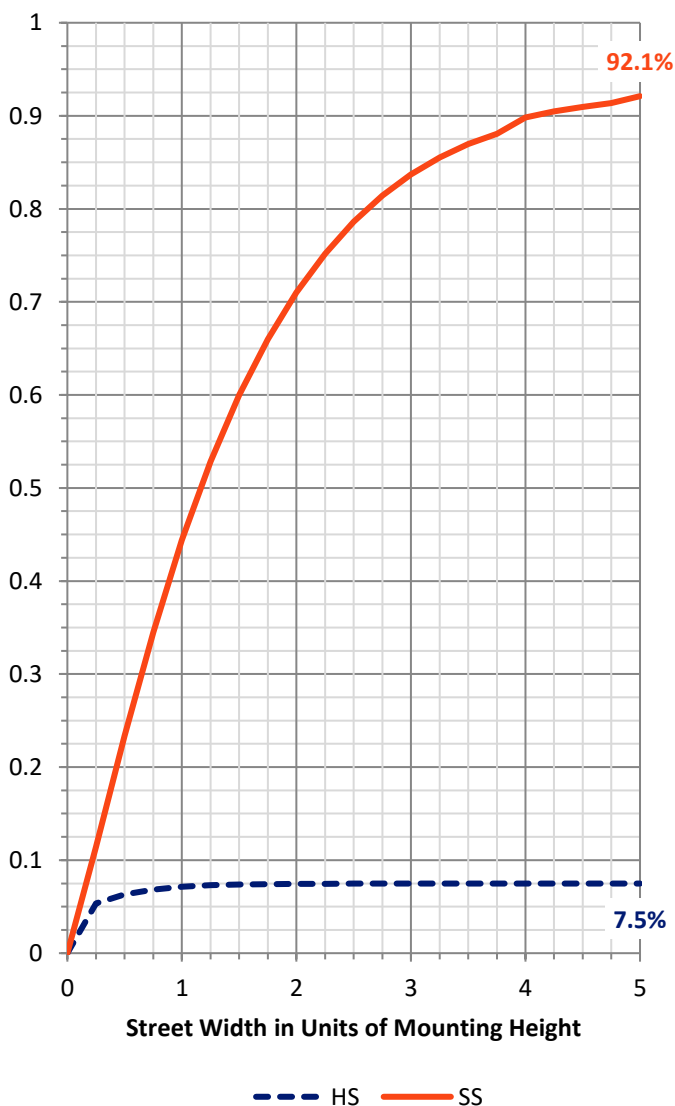
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1903.6	0.0	1903.6
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	23381.5	0.0	23381.5
	% Fixture	92.5	0.0	92.5
Total	Lumens	25285.0	0.0	25285.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.0	1.5
10°-20°	905.7	3.6
20°-30°	1453.9	5.8
30°-40°	2225.6	8.8
40°-50°	3572.4	14.1
50°-60°	5247.3	20.8
60°-70°	6608.8	26.1
70°-80°	4410.5	17.4
80°-90°	492.9	1.9
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°	25285.0	100.0
0°-180°	25285.0	100.0

Coefficient of Utilization



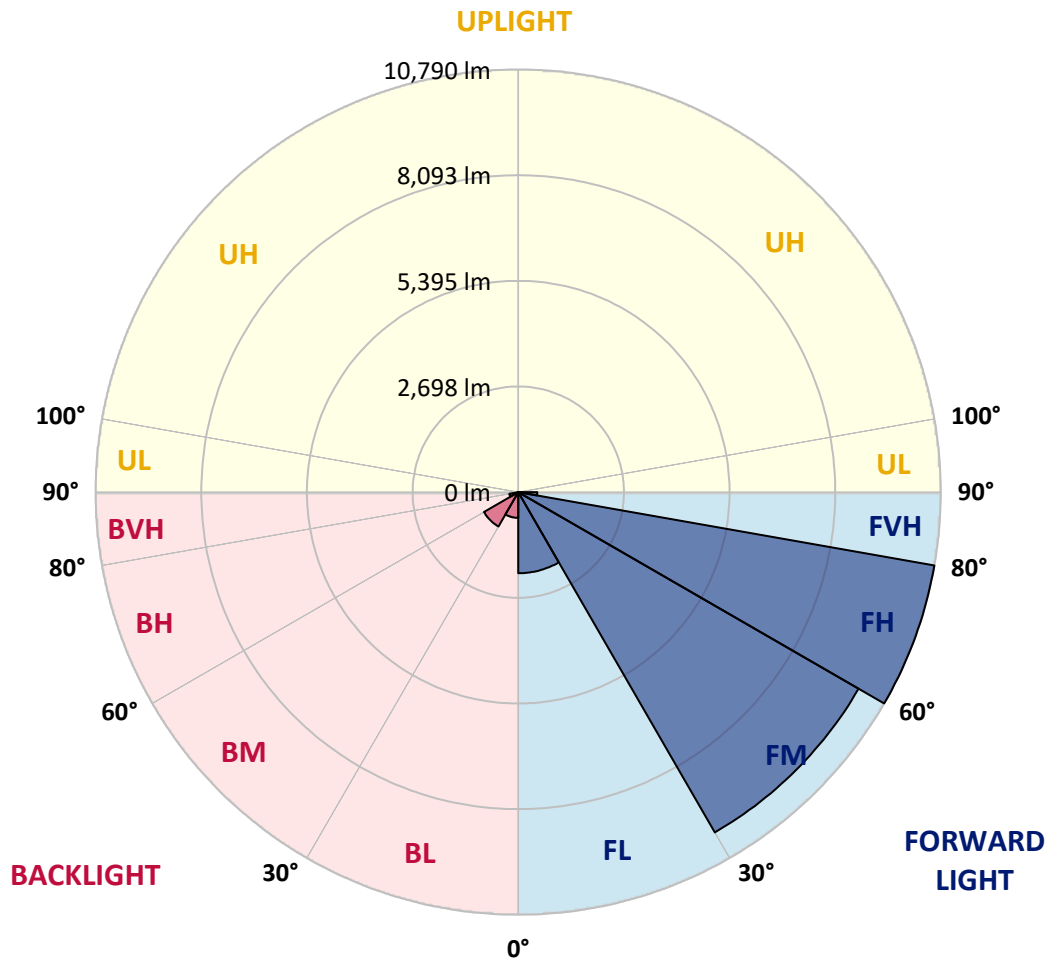
REPORT NUMBER: P484647
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2070.3	8.2			
FM (30°-60°)	10033.5	39.7			
FH (60°-80°)	10790.2	42.7			G4/12000
FVH (80°-90°)	487.5	1.9			G3/500
BL (0°-30°)	657.2	2.6	B2/1000		
BM (30°-60°)	1011.8	4.0	B2/2500		
BH (60°-80°)	229.1	0.9	B1/500		G1/500
BVH (80°-90°)	5.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





REPORT NUMBER: P484647

CATALOG NUMBER: IFLD-S-SA6C-722-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0
2.5°	4742.6	4789.1	4742.6	4722.7	4702.8	4706.1	4653.1	4663.0	4600.0	4517.1	4450.8
5°	4891.9	4954.9	4905.1	4881.9	4878.6	4815.6	4789.1	4726.0	4649.8	4520.4	4440.8
7.5°	4878.6	4865.3	4888.6	4868.7	4825.5	4825.5	4795.7	4706.1	4629.9	4483.9	4348.0
10°	4779.1	4818.9	4799.0	4775.8	4785.7	4789.1	4732.7	4669.7	4646.4	4500.5	4278.3
12.5°	4769.2	4702.8	4775.8	4779.1	4736.0	4732.7	4726.0	4709.5	4636.5	4503.8	4294.9
15°	4736.0	4709.5	4782.4	4785.7	4795.7	4785.7	4795.7	4782.4	4709.5	4633.2	4367.9
17.5°	4762.5	4732.7	4835.5	4885.2	4862.0	4908.4	4891.9	4832.2	4769.2	4679.6	4437.5
20°	4769.2	4812.3	4925.0	4944.9	5017.9	4941.6	4938.3	4875.3	4835.5	4739.3	4480.6
22.5°	4891.9	4911.8	5051.1	5094.2	5097.5	5087.5	5004.6	4931.7	4915.1	4795.7	4490.6
25°	5077.6	5147.2	5210.3	5236.8	5246.7	5200.3	5114.1	5021.2	4981.4	4905.1	4593.4
27.5°	5405.9	5362.8	5419.2	5459.0	5346.2	5362.8	5253.4	5173.8	5117.4	5051.1	4712.8
30°	5697.8	5658.0	5661.3	5654.7	5558.5	5468.9	5439.1	5299.8	5230.2	5256.7	4898.5
32.5°	5959.8	5873.6	5946.5	5913.4	5734.3	5707.7	5684.5	5508.7	5522.0	5644.7	5177.1
35°	6201.9	6172.0	6231.7	6172.0	6052.6	6046.0	6022.8	5870.2	5943.2	6119.0	5654.7
37.5°	6424.1	6434.0	6507.0	6477.2	6487.1	6493.7	6480.5	6318.0	6526.9	6921.6	6211.8
40°	6629.7	6616.5	6795.5	6888.4	6908.3	6981.3	6981.3	6941.5	7263.2	7707.6	6984.6
42.5°	6848.6	6881.8	7113.9	7269.8	7458.9	7521.9	7608.1	7628.0	8125.5	8632.9	7773.9
45°	7206.8	7150.4	7445.6	7813.7	7979.5	8201.8	8334.4	8447.2	9047.5	9743.9	8563.3
47.5°	7661.2	7548.4	7807.1	8341.0	8725.8	8908.2	9147.0	9296.2	9883.2	10602.9	9309.5
50°	8165.3	8049.2	8175.2	8911.5	9359.2	9690.9	9996.0	10185.0	10894.8	11564.7	9853.4
52.5°	8735.7	8629.6	8649.5	9505.1	10165.1	10407.2	10808.5	11090.4	11796.9	12145.1	10045.7
55°	9342.6	9316.1	9253.1	10085.5	10871.6	11415.5	11657.6	11995.9	12722.2	12460.2	10254.7
57.5°	9952.9	9870.0	9959.5	10855.0	12005.8	12330.8	12665.8	12868.1	13236.2	12735.4	10175.1
60°	10526.6	10533.3	10659.3	11690.7	12970.9	13431.9	13733.7	13611.0	13763.6	12854.8	9992.7
62.5°	11010.8	10997.6	11316.0	12629.3	14247.8	14559.5	14785.0	14237.8	14009.0	12970.9	9674.3
65°	11445.3	11594.6	12095.3	13747.0	15448.3	15806.5	15670.6	14831.5	14247.8	12629.3	8778.8
67.5°	11773.6	11995.9	12864.8	14798.3	16549.4	16801.5	16612.4	15282.5	13965.9	11289.4	7150.4
70°	11966.0	12191.5	13415.3	15673.9	17428.3	17610.7	17166.3	14934.3	12320.9	8175.2	4460.7
71°	11906.3	12181.6	13521.5	15766.7	17637.3	17773.2	17083.4	14290.9	11080.5	6845.3	3253.5
72.5°	11365.7	11624.4	13080.4	15700.4	17385.2	17302.3	16436.7	12745.4	8722.4	4364.5	1681.5
75°	8351.0	8629.6	11226.4	13581.1	15518.0	14947.6	13302.6	8944.7	4550.3	1336.6	490.8
77.5°	4158.9	4205.3	6968.0	9860.0	11382.3	10815.2	8914.8	4988.0	1701.4	394.7	245.4
80°	1916.9	1930.2	2613.4	5107.4	6881.8	6477.2	4994.7	2460.9	769.4	208.9	192.4
82.5°	1306.7	1326.6	1575.3	2115.9	2988.2	2520.6	2023.1	1575.3	441.1	126.0	189.0
85°	238.8	218.9	882.2	1121.0	1154.1	782.7	699.8	1363.1	165.8	73.0	165.8
87.5°	0.0	3.3	122.7	457.7	411.2	182.4	238.8	331.7	16.6	23.2	29.8
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: P484647

CATALOG NUMBER: IFLD-S-SA6C-722-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0	4401.0
2.5°	4394.4	4357.9	4235.2	4099.2	3976.5	3880.3	3757.6	3701.2	3611.7	3561.9	3558.6
5°	4331.4	4231.9	4019.6	3790.8	3535.4	3323.2	3087.7	2955.0	2802.5	2756.0	2746.1
7.5°	4225.2	4082.6	3770.9	3449.2	3057.8	2683.1	2394.5	2086.1	1897.0	1817.5	1787.6
10°	4158.9	3986.5	3561.9	3081.0	2533.8	2006.5	1601.9	1273.5	1101.1	1018.2	998.3
12.5°	4158.9	3973.2	3392.8	2729.5	2003.2	1373.0	991.6	802.6	746.2	726.3	726.3
15°	4149.0	3946.7	3230.3	2368.0	1482.5	922.0	739.6	699.8	693.2	689.8	686.5
17.5°	4198.7	3900.2	3064.5	1980.0	1048.0	726.3	679.9	673.3	666.6	666.6	660.0
20°	4235.2	3873.7	2865.5	1568.7	782.7	673.3	653.4	643.4	640.1	636.8	643.4
22.5°	4205.3	3833.9	2620.1	1174.0	683.2	640.1	626.8	616.9	610.2	610.2	613.6
25°	4261.7	3797.4	2374.6	885.5	640.1	610.2	597.0	590.3	587.0	583.7	577.1
27.5°	4338.0	3814.0	2082.8	713.1	603.6	580.4	567.1	560.5	557.2	550.5	557.2
30°	4430.9	3810.7	1761.1	623.5	570.4	547.2	534.0	530.6	524.0	520.7	524.0
32.5°	4590.1	3896.9	1429.4	577.1	534.0	514.1	500.8	497.5	494.2	490.8	487.5
35°	4931.7	4003.0	1117.7	540.6	500.8	477.6	467.6	461.0	457.7	454.4	451.0
37.5°	5352.9	4238.5	852.3	507.4	467.6	444.4	434.5	431.1	417.9	414.6	411.2
40°	5880.2	4490.6	656.7	470.9	437.8	414.6	404.6	394.7	378.1	371.5	364.8
42.5°	6536.9	4736.0	540.6	437.8	404.6	388.0	371.5	354.9	341.6	328.3	321.7
45°	7193.5	5021.2	474.3	407.9	378.1	358.2	344.9	321.7	298.5	278.6	275.3
47.5°	7740.8	5124.0	434.5	374.8	351.6	335.0	315.1	285.2	252.1	232.2	228.8
50°	8148.7	5064.3	394.7	341.6	321.7	305.1	278.6	242.1	208.9	189.0	182.4
52.5°	8228.3	4802.3	358.2	315.1	291.9	272.0	242.1	202.3	165.8	145.9	142.6
55°	8171.9	4367.9	328.3	291.9	265.3	235.5	202.3	162.5	129.3	109.4	106.1
57.5°	8055.8	3853.8	295.2	262.0	232.2	202.3	165.8	132.7	96.2	76.3	76.3
60°	7661.2	3154.0	262.0	228.8	199.0	172.5	136.0	96.2	66.3	49.7	46.4
62.5°	7110.6	2424.4	228.8	195.7	172.5	142.6	106.1	69.6	39.8	26.5	26.5
65°	6105.7	1698.1	192.4	162.5	142.6	116.1	79.6	43.1	23.2	9.9	9.9
67.5°	4639.8	1051.3	159.2	136.0	122.7	92.9	56.4	26.5	9.9	3.3	0.0
70°	2663.2	547.2	126.0	109.4	96.2	69.6	39.8	13.3	6.6	0.0	0.0
71°	1860.6	404.6	112.8	96.2	86.2	63.0	33.2	9.9	3.3	0.0	0.0
72.5°	931.9	268.6	96.2	79.6	69.6	49.7	26.5	9.9	3.3	0.0	0.0
75°	331.7	172.5	66.3	53.1	49.7	36.5	16.6	6.6	3.3	0.0	0.0
77.5°	228.8	139.3	46.4	33.2	33.2	23.2	9.9	3.3	3.3	0.0	0.0
80°	208.9	76.3	29.8	19.9	16.6	13.3	6.6	3.3	0.0	0.0	0.0
82.5°	208.9	56.4	16.6	13.3	9.9	6.6	3.3	0.0	0.0	0.0	0.0
85°	145.9	29.8	9.9	9.9	6.6	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	23.2	9.9	6.6	3.3	3.3	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)