

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: P484734

Luminaire Tested: **IFLD-L-SA7B-730-U-SL4-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484734
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-730-U-SL4-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

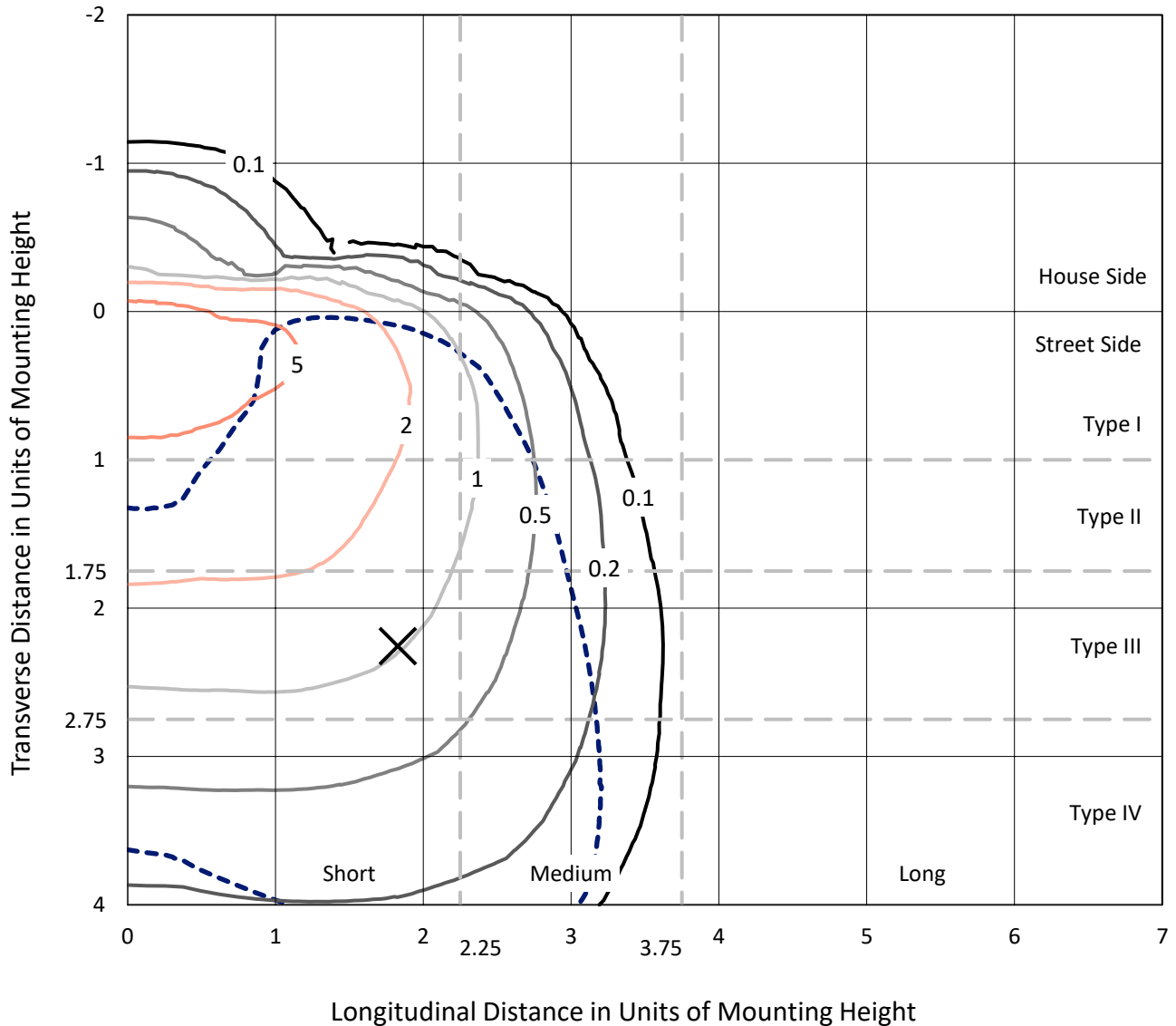
Lumens per Lamp: N/A
Luminaire Lumens: 26789.6 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 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

REPORT NUMBER: P484734
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

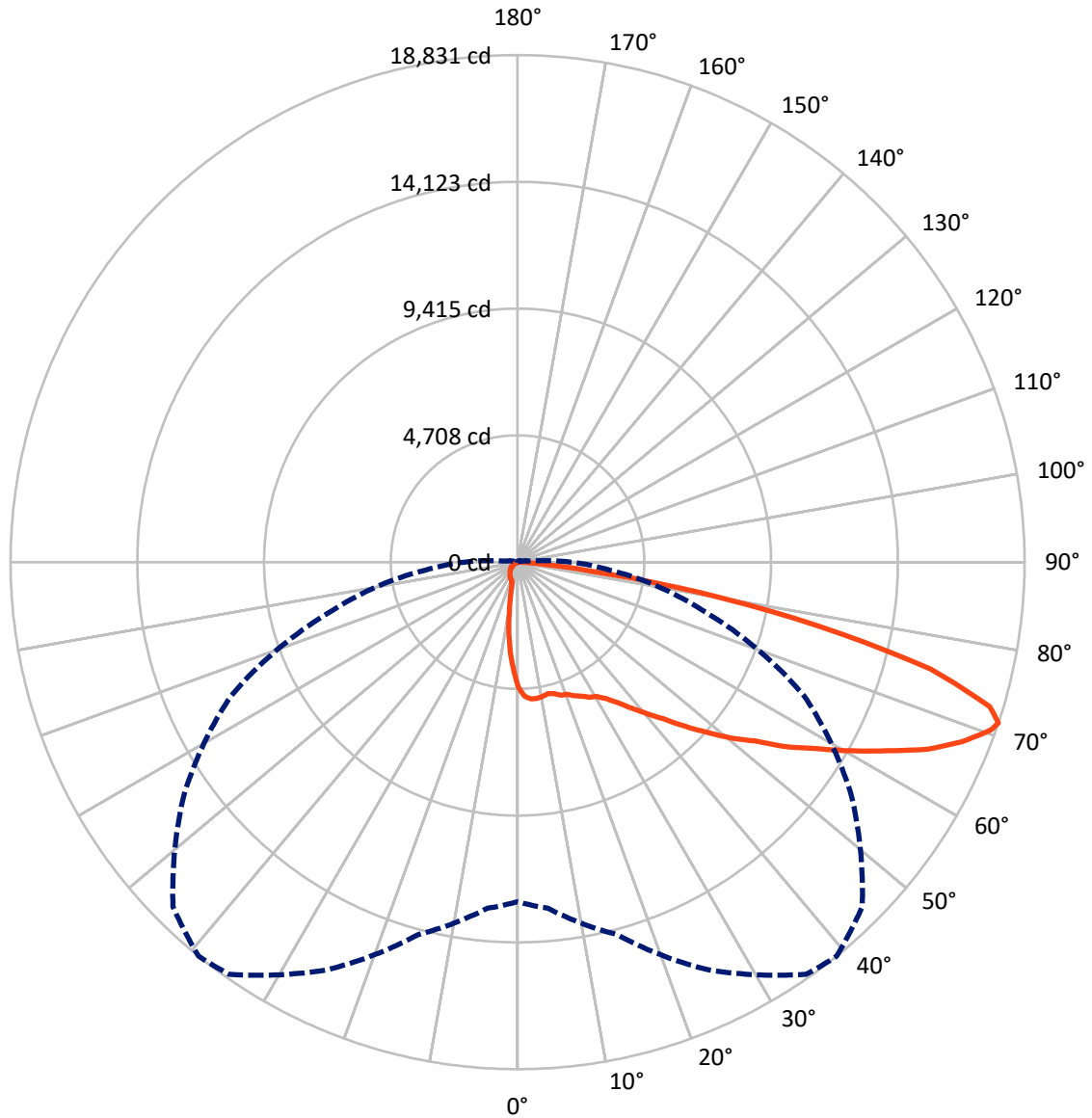
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P484734
CATALOG NUMBER: IFLD-L-SA7B-730-U-SL4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P484734
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SL4-HSS

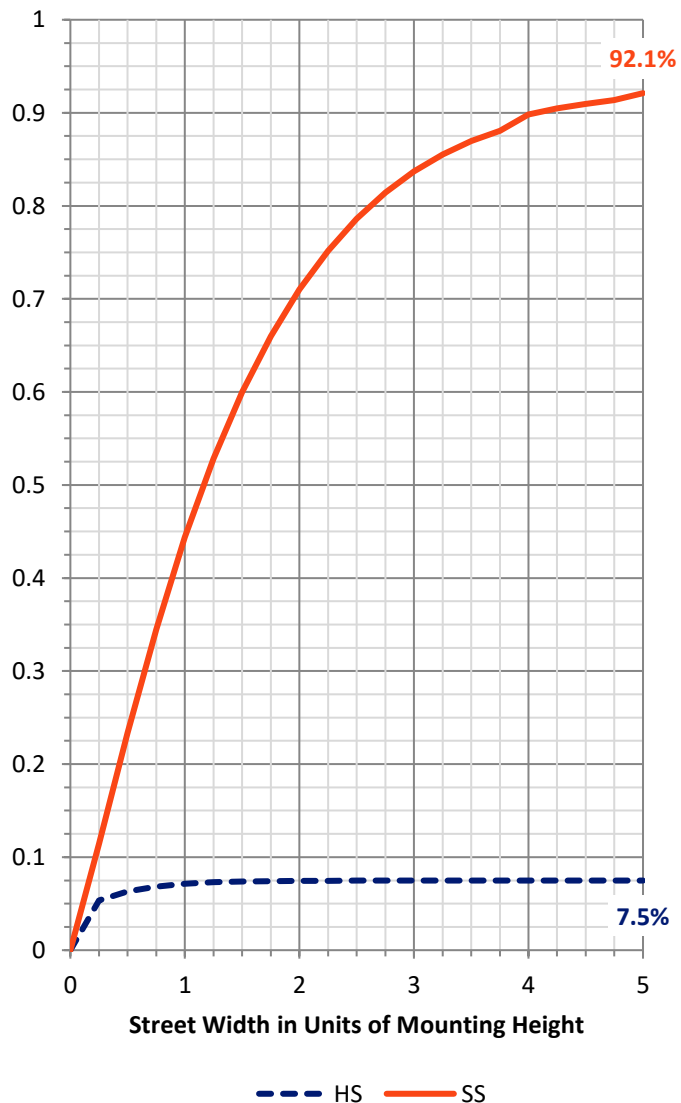
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2016.8	0.0	2016.8
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	24772.8	0.0	24772.8
	% Fixture	92.5	0.0	92.5
Total	Lumens	26789.6	0.0	26789.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.9	1.5
10°-20°	959.6	3.6
20°-30°	1540.4	5.8
30°-40°	2358.0	8.8
40°-50°	3785.0	14.1
50°-60°	5559.6	20.8
60°-70°	7002.0	26.1
70°-80°	4673.0	17.4
80°-90°	522.2	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°	26789.6	100.0
0°-180°	26789.6	100.0

Coefficient of Utilization



REPORT NUMBER: P484734

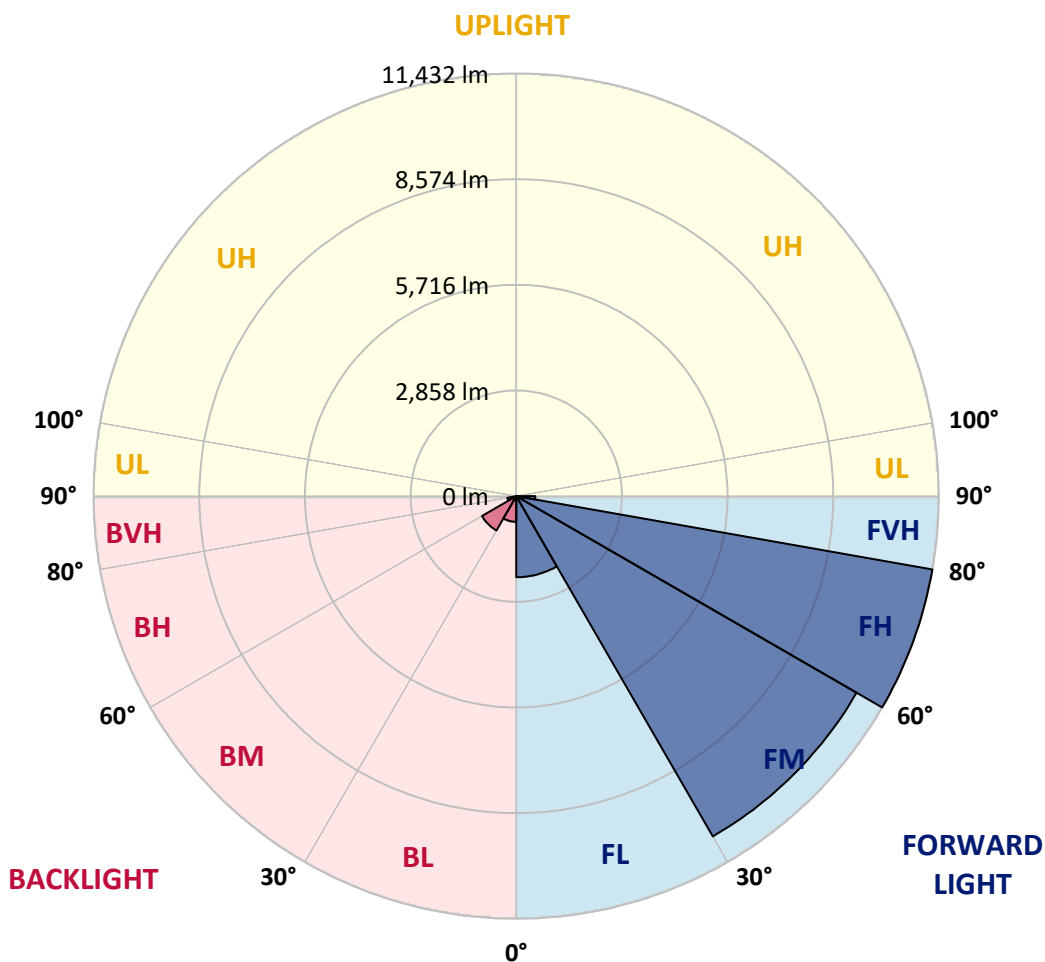
CATALOG NUMBER: IFLD-L-SA7B-730-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2193.5	8.2			
FM (30°-60°)	10630.5	39.7			
FH (60°-80°)	11432.3	42.7			G4/12000
FVH (80°-90°)	516.5	1.9			G4/750
BL (0°-30°)	696.3	2.6	B2/1000		
BM (30°-60°)	1072.0	4.0	B2/2500		
BH (60°-80°)	242.7	0.9	B1/500		G1/500
BVH (80°-90°)	5.7	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: P484734

CATALOG NUMBER: IFLD-L-SA7B-730-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9
2.5°	5024.8	5074.0	5024.8	5003.8	4982.7	4986.2	4930.0	4940.5	4873.7	4785.9	4715.6
5°	5183.0	5249.7	5197.0	5172.4	5168.9	5102.1	5074.0	5007.3	4926.4	4789.4	4705.1
7.5°	5168.9	5154.8	5179.4	5158.4	5112.7	5112.7	5081.1	4986.2	4905.4	4750.8	4606.7
10°	5063.5	5105.7	5084.6	5060.0	5070.5	5074.0	5014.3	4947.5	4922.9	4768.3	4532.9
12.5°	5052.9	4982.7	5060.0	5063.5	5017.8	5014.3	5007.3	4989.7	4912.4	4771.8	4550.5
15°	5017.8	4989.7	5067.0	5070.5	5081.1	5070.5	5081.1	5067.0	4989.7	4908.9	4627.8
17.5°	5045.9	5014.3	5123.2	5175.9	5151.3	5200.5	5183.0	5119.7	5052.9	4958.1	4701.6
20°	5052.9	5098.6	5218.1	5239.2	5316.5	5235.7	5232.2	5165.4	5123.2	5021.3	4747.2
22.5°	5183.0	5204.0	5351.6	5397.3	5400.8	5390.3	5302.4	5225.1	5207.6	5081.1	4757.8
25°	5379.7	5453.5	5520.3	5548.4	5558.9	5509.7	5418.4	5320.0	5277.8	5197.0	4866.7
27.5°	5727.6	5681.9	5741.7	5783.8	5664.4	5681.9	5566.0	5481.6	5421.9	5351.6	4993.2
30°	6036.8	5994.7	5998.2	5991.2	5889.2	5794.4	5762.7	5615.2	5541.4	5569.5	5190.0
32.5°	6314.4	6223.1	6300.4	6265.2	6075.5	6047.4	6022.8	5836.5	5850.6	5980.6	5485.2
35°	6570.9	6539.3	6602.6	6539.3	6412.8	6405.8	6381.2	6219.6	6296.9	6483.1	5991.2
37.5°	6806.4	6816.9	6894.2	6862.6	6873.1	6880.2	6866.1	6693.9	6915.3	7333.4	6581.5
40°	7024.2	7010.2	7199.9	7298.3	7319.4	7396.7	7396.7	7354.5	7695.4	8166.2	7400.2
42.5°	7256.1	7291.3	7537.3	7702.4	7902.7	7969.5	8060.8	8081.9	8609.0	9146.6	8236.5
45°	7635.6	7575.9	7888.6	8278.7	8454.4	8689.8	8830.4	8949.8	9585.8	10323.8	9072.8
47.5°	8117.0	7997.6	8271.7	8837.4	9245.0	9438.3	9691.3	9849.4	10471.3	11233.8	9863.4
50°	8651.2	8528.2	8661.7	9441.8	9916.1	10267.5	10590.8	10791.1	11543.1	12252.9	10439.7
52.5°	9255.5	9143.1	9164.2	10070.8	10770.0	11026.5	11451.7	11750.4	12498.8	12867.8	10643.5
55°	9898.6	9870.5	9803.7	10685.7	11518.5	12094.7	12351.3	12709.7	13479.2	13201.6	10864.9
57.5°	10545.1	10457.3	10552.2	11500.9	12720.2	13064.6	13419.5	13633.8	14023.9	13493.3	10780.6
60°	11153.0	11160.1	11293.6	12386.4	13742.7	14231.2	14550.9	14420.9	14582.6	13619.8	10587.3
62.5°	11666.1	11652.0	11989.3	13380.8	15095.6	15425.9	15664.8	15085.0	14842.6	13742.7	10250.0
65°	12126.4	12284.5	12815.1	14565.0	16367.6	16747.1	16603.0	15714.0	15095.6	13380.8	9301.2
67.5°	12474.2	12709.7	13630.3	15678.9	17534.2	17801.3	17601.0	16191.9	14796.9	11961.2	7575.9
70°	12678.0	12917.0	14213.6	16606.6	18465.4	18658.7	18187.8	15823.0	13054.0	8661.7	4726.2
71°	12614.8	12906.4	14326.1	16704.9	18686.8	18830.8	18099.9	15141.3	11739.8	7252.6	3447.1
72.5°	12042.0	12316.1	13858.7	16634.7	18419.7	18331.9	17414.7	13503.8	9241.5	4624.3	1781.5
75°	8847.9	9143.1	11894.5	14389.3	16441.4	15837.0	14094.1	9476.9	4821.0	1416.1	520.1
77.5°	4406.4	4455.6	7382.6	10446.7	12059.6	11458.7	9445.3	5284.9	1802.6	418.2	260.0
80°	2031.0	2045.1	2768.9	5411.4	7291.3	6862.6	5291.9	2607.3	815.2	221.4	203.8
82.5°	1384.5	1405.5	1669.1	2241.8	3166.0	2670.5	2143.5	1669.1	467.3	133.5	200.3
85°	253.0	231.9	934.7	1187.7	1222.8	829.3	741.4	1444.2	175.7	77.3	175.7
87.5°	0.0	3.5	130.0	484.9	435.7	193.3	253.0	351.4	17.6	24.6	31.6
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: P484734

CATALOG NUMBER: IFLD-L-SA7B-730-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9	4662.9
2.5°	4655.9	4617.2	4487.2	4343.1	4213.1	4111.2	3981.2	3921.5	3826.6	3773.9	3770.4
5°	4589.1	4483.7	4258.8	4016.4	3745.8	3520.9	3271.4	3130.9	2969.2	2920.0	2909.5
7.5°	4476.7	4325.6	3995.3	3654.4	3239.8	2842.7	2537.0	2210.2	2009.9	1925.6	1894.0
10°	4406.4	4223.7	3773.9	3264.4	2684.6	2125.9	1697.2	1349.3	1166.6	1078.8	1057.7
12.5°	4406.4	4209.6	3594.7	2891.9	2122.4	1454.7	1050.6	850.4	790.6	769.5	769.5
15°	4395.9	4181.5	3422.5	2508.9	1570.7	976.9	783.6	741.4	734.4	730.9	727.4
17.5°	4448.6	4132.3	3246.8	2097.8	1110.4	769.5	720.3	713.3	706.3	706.3	699.3
20°	4487.2	4104.2	3036.0	1662.1	829.3	713.3	692.2	681.7	678.2	674.7	681.7
22.5°	4455.6	4062.0	2776.0	1243.9	723.9	678.2	664.1	653.6	646.6	646.6	650.1
25°	4515.3	4023.4	2515.9	938.2	678.2	646.6	632.5	625.5	622.0	618.4	611.4
27.5°	4596.1	4041.0	2206.7	755.5	639.5	614.9	600.9	593.8	590.3	583.3	590.3
30°	4694.5	4037.4	1865.9	660.6	604.4	579.8	565.7	562.2	555.2	551.7	555.2
32.5°	4863.2	4128.8	1514.5	611.4	565.7	544.7	530.6	527.1	523.6	520.1	516.5
35°	5225.1	4241.2	1184.2	572.8	530.6	506.0	495.5	488.4	484.9	481.4	477.9
37.5°	5671.4	4490.7	903.1	537.6	495.5	470.9	460.3	456.8	442.7	439.2	435.7
40°	6230.1	4757.8	695.7	499.0	463.8	439.2	428.7	418.2	400.6	393.6	386.5
42.5°	6925.8	5017.8	572.8	463.8	428.7	411.1	393.6	376.0	361.9	347.9	340.8
45°	7621.6	5320.0	502.5	432.2	400.6	379.5	365.4	340.8	316.2	295.2	291.7
47.5°	8201.4	5428.9	460.3	397.1	372.5	354.9	333.8	302.2	267.1	246.0	242.5
50°	8633.6	5365.7	418.2	361.9	340.8	323.3	295.2	256.5	221.4	200.3	193.3
52.5°	8717.9	5088.1	379.5	333.8	309.2	288.1	256.5	214.3	175.7	154.6	151.1
55°	8658.2	4627.8	347.9	309.2	281.1	249.5	214.3	172.2	137.0	116.0	112.4
57.5°	8535.2	4083.1	312.7	277.6	246.0	214.3	175.7	140.6	101.9	80.8	80.8
60°	8117.0	3341.7	277.6	242.5	210.8	182.7	144.1	101.9	70.3	52.7	49.2
62.5°	7533.7	2568.6	242.5	207.3	182.7	151.1	112.4	73.8	42.2	28.1	28.1
65°	6469.0	1799.1	203.8	172.2	151.1	123.0	84.3	45.7	24.6	10.5	10.5
67.5°	4915.9	1113.9	168.7	144.1	130.0	98.4	59.7	28.1	10.5	3.5	0.0
70°	2821.6	579.8	133.5	116.0	101.9	73.8	42.2	14.1	7.0	0.0	0.0
71°	1971.3	428.7	119.5	101.9	91.4	66.8	35.1	10.5	3.5	0.0	0.0
72.5°	987.4	284.6	101.9	84.3	73.8	52.7	28.1	10.5	3.5	0.0	0.0
75°	351.4	182.7	70.3	56.2	52.7	38.7	17.6	7.0	3.5	0.0	0.0
77.5°	242.5	147.6	49.2	35.1	35.1	24.6	10.5	3.5	3.5	0.0	0.0
80°	221.4	80.8	31.6	21.1	17.6	14.1	7.0	3.5	0.0	0.0	0.0
82.5°	221.4	59.7	17.6	14.1	10.5	7.0	3.5	0.0	0.0	0.0	0.0
85°	154.6	31.6	10.5	10.5	7.0	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	24.6	10.5	7.0	3.5	3.5	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)