

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: P484452

Luminaire Tested: **IFLD-S-SA6C-750-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484452
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-750-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

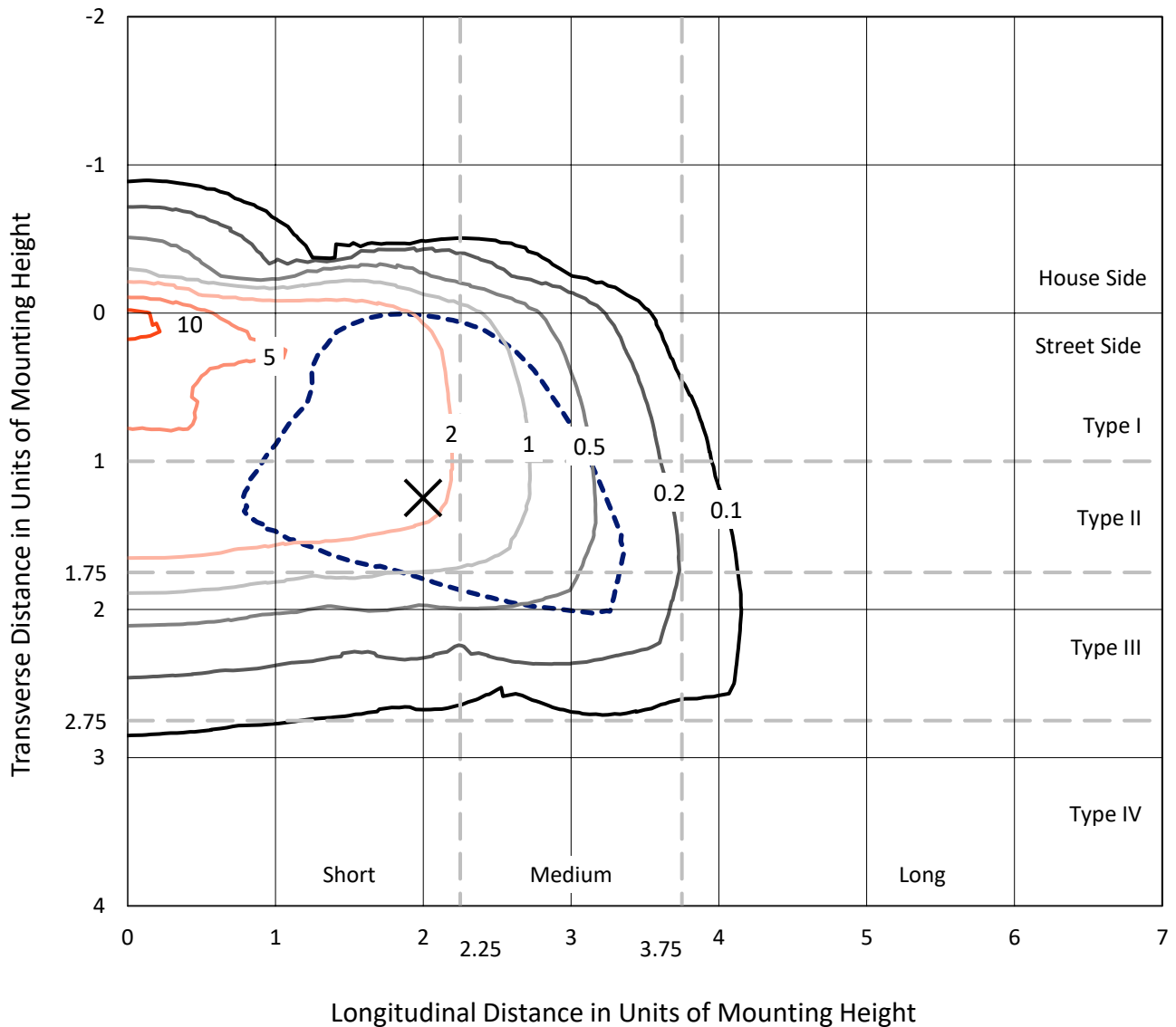
Lumens per Lamp: N/A
Luminaire Lumens: 35545.4 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

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: P484452
 CATALOG NUMBER: IFLD-S-SA6C-750-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

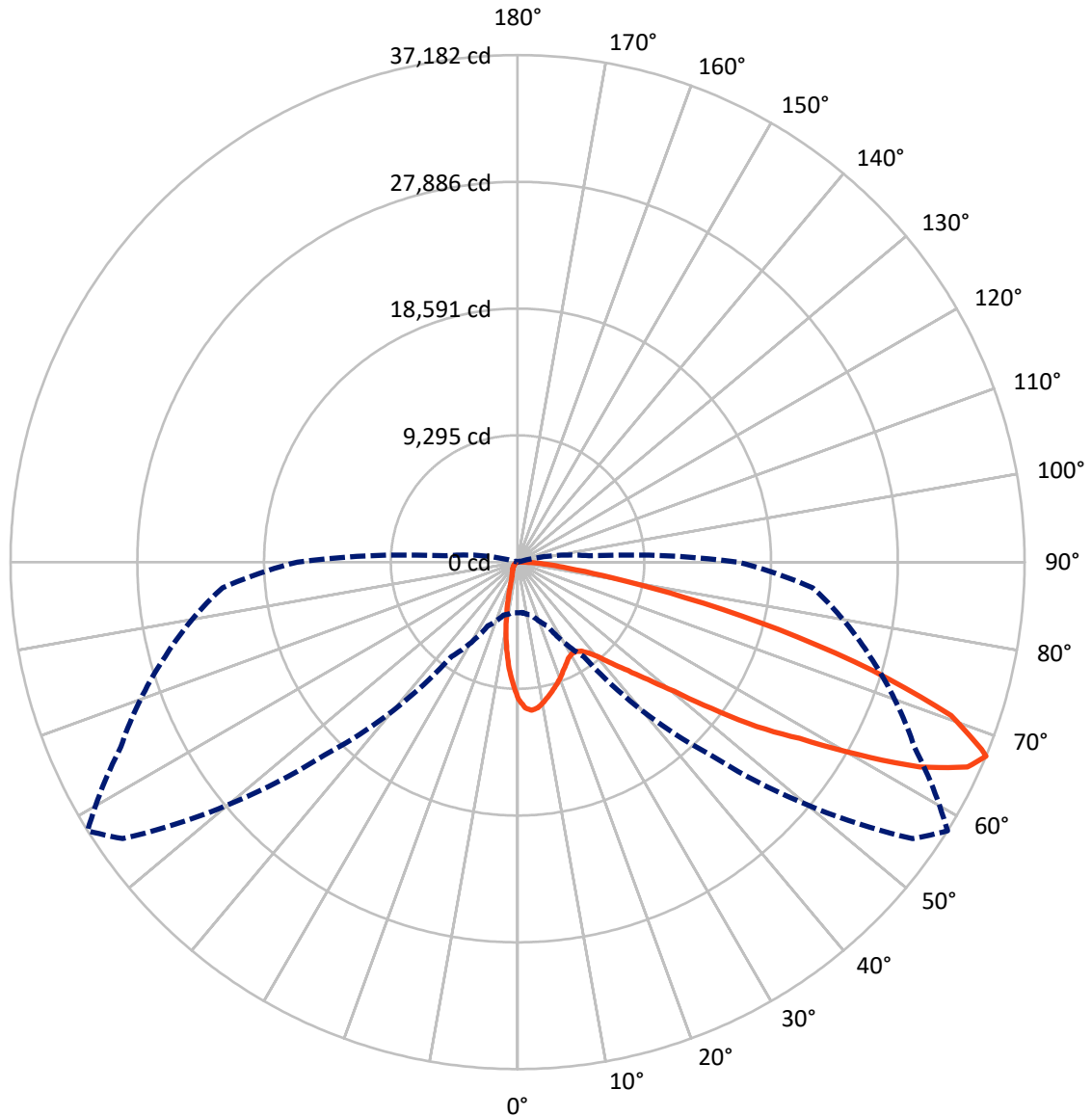
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Short - N/A

REPORT NUMBER: P484452
CATALOG NUMBER: IFLD-S-SA6C-750-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P484452
 CATALOG NUMBER: IFLD-S-SA6C-750-U-SL3-HSS

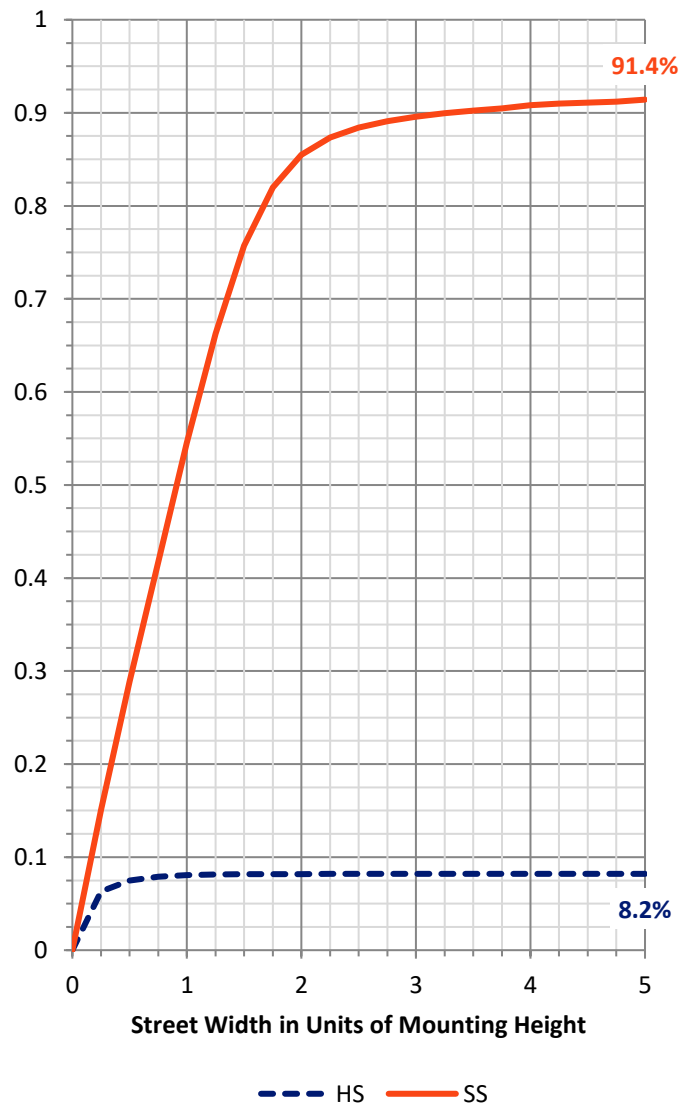
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2938.1	0.0	2938.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	32607.3	0.0	32607.3
	% Fixture	91.7	0.0	91.7
Total	Lumens	35545.4	0.0	35545.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	799.0	2.2
10°-20°	1657.4	4.7
20°-30°	2199.0	6.2
30°-40°	3047.1	8.6
40°-50°	4971.9	14.0
50°-60°	8739.1	24.6
60°-70°	9679.2	27.2
70°-80°	4011.1	11.3
80°-90°	441.5	1.2
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°	35545.4	100.0
0°-180°	35545.4	100.0

Coefficient of Utilization

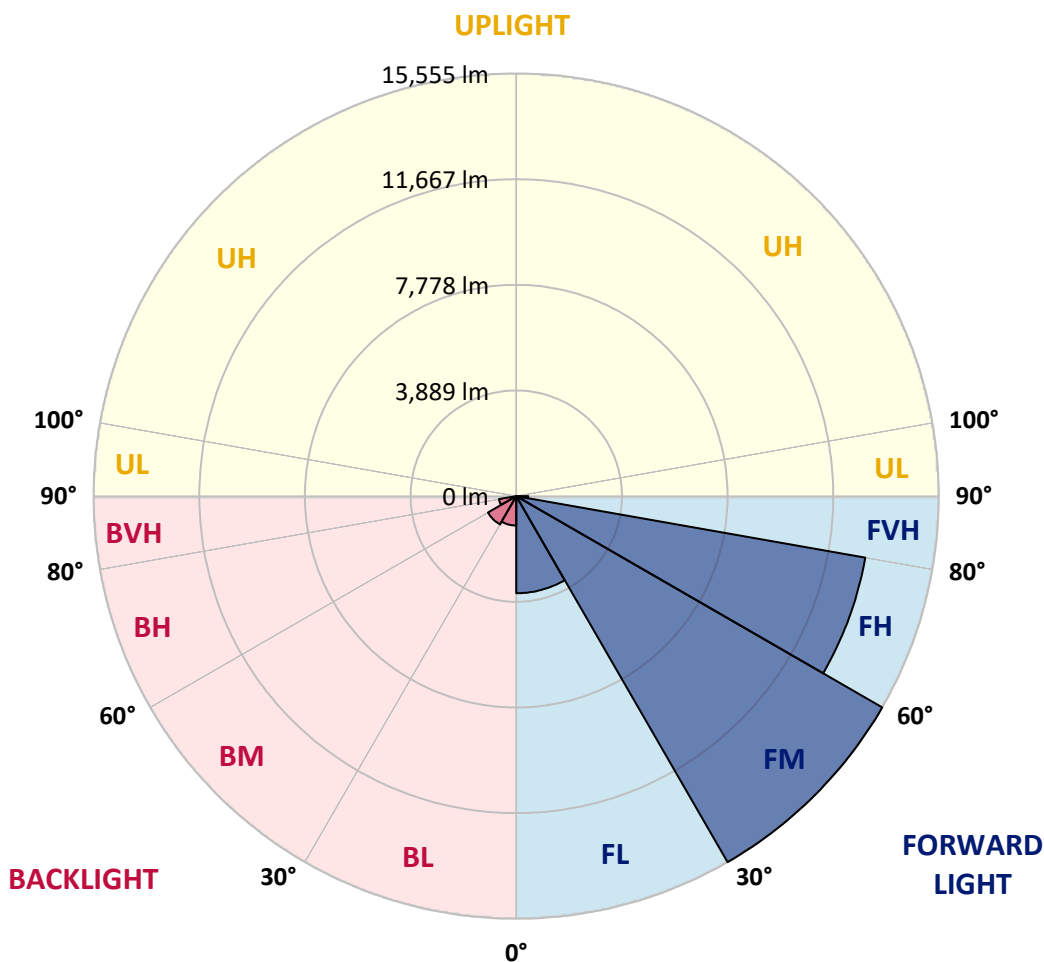


REPORT NUMBER: P484452
 CATALOG NUMBER: IFLD-S-SA6C-750-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3573.3	10.1			
FM (30°-60°)	15555.4	43.8			
FH (60°-80°)	13044.3	36.7			G5
FVH (80°-90°)	434.3	1.2			G3/500
BL (0°-30°)	1082.1	3.0	B3/2500		
BM (30°-60°)	1202.7	3.4	B2/2500		
BH (60°-80°)	646.0	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





REPORT NUMBER: P484452

CATALOG NUMBER: IFLD-S-SA6C-750-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5
2.5°	10957.7	10995.4	11028.5	10967.1	11019.0	10943.5	10750.0	10707.6	10674.5	10386.7	10221.5
5°	10952.9	10910.5	10943.5	10971.8	10901.0	10957.7	10910.5	10915.2	10787.8	10528.2	10065.8
7.5°	10221.5	10202.6	10221.5	10358.3	10514.1	10636.8	10707.6	10778.3	10693.4	10306.4	9858.1
10°	9235.2	9329.6	9381.5	9626.9	9867.6	10094.1	10315.9	10448.0	10424.4	10268.7	9631.6
12.5°	8546.2	8517.9	8706.7	8867.1	9107.8	9565.5	9952.5	10075.2	10216.8	9999.7	9334.3
15°	7909.2	7833.6	7946.9	8225.3	8635.9	8999.3	9541.9	9726.0	9905.3	9961.9	9173.9
17.5°	7300.4	7338.1	7456.1	7706.2	8093.2	8602.9	9112.5	9376.8	9806.2	9730.7	8933.2
20°	7007.8	7088.0	7130.5	7257.9	7526.9	8036.6	8796.3	9008.7	9466.4	9726.0	8697.2
22.5°	7022.0	7022.0	6922.9	6998.4	7243.8	7640.2	8366.9	8602.9	9329.6	9480.6	8484.9
25°	7173.0	7078.6	7083.3	6993.7	7097.5	7314.5	7979.9	8267.8	9051.2	9504.2	8371.6
27.5°	7286.2	7267.4	7239.0	7215.4	7083.3	7116.3	7725.1	7961.1	8942.6	9475.9	8197.0
30°	7696.8	7611.9	7583.5	7531.6	7357.0	7196.6	7522.2	7819.5	8857.7	9541.9	8097.9
32.5°	8041.3	8055.4	8079.0	7928.0	7777.0	7380.6	7578.8	7814.8	8796.3	9693.0	8197.0
35°	8475.4	8536.8	8546.2	8499.0	8338.6	7946.9	7814.8	8017.7	8900.2	9961.9	8206.5
37.5°	9136.1	9070.0	9249.4	9268.2	9155.0	8635.9	8362.2	8442.4	9206.9	10391.4	8565.1
40°	9565.5	9645.8	9980.8	10188.5	9995.0	9523.1	9155.0	9140.8	9650.5	11066.2	9008.7
42.5°	10042.2	10221.5	10589.6	11037.9	11014.3	10575.4	10202.6	10141.3	10438.6	12043.1	9711.8
45°	10693.4	10853.8	11368.2	12043.1	12411.1	12038.3	11476.8	11354.1	11396.5	13373.8	10910.5
47.5°	11774.1	11731.6	12472.5	13137.9	13741.9	13454.1	13213.4	12854.7	12821.7	14940.6	12566.9
50°	12996.3	12986.9	13647.5	14402.6	15101.0	15662.6	15261.5	14869.8	14879.2	17068.9	14515.8
52.5°	14157.2	14341.2	15053.8	15804.1	17002.8	17606.8	17993.8	17838.1	17087.7	18970.6	16601.7
55°	14770.7	14931.1	15639.0	16932.0	18824.3	20376.9	21424.6	21292.4	19843.7	21113.1	18659.2
57.5°	14190.2	14298.8	15256.7	16950.9	20098.5	23562.3	24567.4	24402.3	22694.0	22750.6	21146.1
60°	11759.9	11929.8	13355.0	15341.7	19603.0	26016.2	28894.8	28644.7	25289.5	24822.3	22745.9
62.5°	8145.1	8258.4	9428.7	11901.5	17252.9	26870.4	32981.5	33118.4	28026.5	26436.2	23222.5
65°	5275.9	5266.5	5936.6	7611.9	12227.1	24284.3	35397.7	36247.1	30669.2	26681.6	23076.2
67°	3728.1	3713.9	4030.1	5162.7	8466.0	20008.8	35355.2	37181.5	32103.8	26752.4	21721.9
67.5°	3440.2	3426.0	3728.1	4747.4	7640.2	18607.3	34826.7	36700.2	32608.7	26653.3	21127.3
70°	2671.0	2633.2	2746.5	3270.3	4450.1	12033.6	29805.6	33713.0	31561.1	24180.5	16870.7
72.5°	1930.1	1972.6	2151.9	2685.1	3492.1	6474.6	22717.6	27262.0	26360.7	18225.0	10721.7
75°	1344.9	1382.7	1670.5	2189.6	3204.2	3926.3	15360.6	19772.9	18361.9	10061.0	4568.1
77.5°	703.1	750.3	1066.5	1750.8	2911.7	3039.1	9178.6	12538.6	9730.7	3581.8	1260.0
80°	325.6	349.2	533.3	1241.1	2435.0	2671.0	5351.4	6974.8	3893.2	802.2	434.2
82.5°	141.6	155.7	245.4	712.6	1727.2	2335.9	3312.8	3657.3	1411.0	259.5	269.0
85°	28.3	33.0	94.4	377.5	835.3	1415.7	2326.5	2170.8	707.9	127.4	212.4
87.5°	0.0	0.0	23.6	108.5	226.5	420.0	986.3	986.3	217.1	66.1	80.2
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: P484452

CATALOG NUMBER: IFLD-S-SA6C-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5	10070.5
2.5°	10075.2	9905.3	9532.5	9188.0	8942.6	8664.2	8296.1	8130.9	8069.6	7984.7	7857.2
5°	9810.9	9603.3	8966.2	8324.4	7621.3	7088.0	6521.7	6191.4	5941.3	5785.6	5733.7
7.5°	9438.1	9013.4	8154.5	7125.8	6215.0	5422.2	4563.3	3982.9	3610.1	3459.1	3317.5
10°	9140.8	8588.7	7281.5	6002.6	4789.9	3629.0	2661.6	2151.9	1764.9	1618.6	1599.8
12.5°	8753.9	8093.2	6465.1	4855.9	3331.7	2161.3	1472.3	1278.9	1170.3	1151.5	1137.3
15°	8433.0	7644.9	5691.2	3761.1	2156.6	1349.7	1146.7	1099.5	1071.2	1061.8	1066.5
17.5°	8215.9	7163.5	4898.4	2737.1	1420.4	1104.3	1057.1	1028.8	1014.6	1009.9	995.7
20°	7786.5	6757.7	4115.0	1915.9	1109.0	1019.3	981.6	958.0	943.8	939.1	934.4
22.5°	7541.1	6243.3	3331.7	1335.5	986.3	924.9	896.6	877.7	854.2	840.0	835.3
25°	7295.7	5865.8	2633.2	1038.2	896.6	854.2	811.7	788.1	750.3	731.5	726.7
27.5°	7007.8	5493.0	2029.2	901.3	807.0	764.5	722.0	684.3	637.1	618.2	608.8
30°	6842.6	5129.6	1529.0	807.0	740.9	684.3	632.4	585.2	533.3	500.2	490.8
32.5°	6757.7	4799.3	1146.7	736.2	670.1	608.8	542.7	486.1	438.9	410.6	405.8
35°	6653.9	4478.4	901.3	670.1	604.0	538.0	471.9	415.3	368.1	344.5	335.1
37.5°	6762.4	4289.6	750.3	618.2	552.1	476.6	405.8	349.2	311.5	287.9	283.1
40°	7059.7	4133.9	651.2	571.0	500.2	420.0	353.9	297.3	264.3	245.4	236.0
42.5°	7517.5	4133.9	589.9	523.8	453.0	368.1	302.0	259.5	226.5	207.6	202.9
45°	8348.0	4261.3	538.0	476.6	396.4	316.2	259.5	217.1	184.0	165.2	160.4
47.5°	9513.6	4553.9	495.5	434.2	353.9	278.4	226.5	184.0	151.0	132.1	127.4
50°	11080.4	5219.3	453.0	382.2	316.2	240.7	188.8	146.3	118.0	99.1	94.4
52.5°	13034.1	6163.1	410.6	353.9	269.0	202.9	151.0	118.0	89.7	75.5	70.8
55°	15101.0	7319.3	358.6	316.2	231.2	169.9	122.7	89.7	66.1	56.6	51.9
57.5°	17182.1	8211.2	316.2	273.7	188.8	136.9	99.1	70.8	47.2	37.8	33.0
60°	18286.4	8296.1	273.7	226.5	151.0	108.5	75.5	51.9	33.0	23.6	18.9
62.5°	18456.3	7541.1	236.0	184.0	122.7	84.9	51.9	37.8	18.9	9.4	9.4
65°	17583.2	6285.8	202.9	146.3	94.4	61.3	37.8	23.6	9.4	4.7	0.0
67°	16167.5	5266.5	174.6	122.7	75.5	47.2	28.3	14.2	4.7	0.0	0.0
67.5°	15620.1	4983.3	165.2	113.3	70.8	42.5	23.6	14.2	4.7	0.0	0.0
70°	12123.3	3558.2	122.7	80.2	51.9	33.0	18.9	9.4	0.0	0.0	0.0
72.5°	7427.8	2081.1	94.4	56.6	37.8	23.6	14.2	4.7	0.0	0.0	0.0
75°	3114.6	717.3	80.2	42.5	28.3	14.2	9.4	4.7	0.0	0.0	0.0
77.5°	811.7	269.0	56.6	28.3	18.9	14.2	9.4	4.7	0.0	0.0	0.0
80°	330.3	122.7	37.8	18.9	18.9	14.2	9.4	4.7	0.0	0.0	0.0
82.5°	217.1	56.6	23.6	18.9	14.2	9.4	4.7	0.0	0.0	0.0	0.0
85°	165.2	33.0	14.2	14.2	9.4	4.7	0.0	0.0	0.0	0.0	0.0
87.5°	70.8	18.9	14.2	9.4	9.4	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)