

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: P483946

Luminaire Tested: **IFLD-S-SA6D-730-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483946
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-730-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

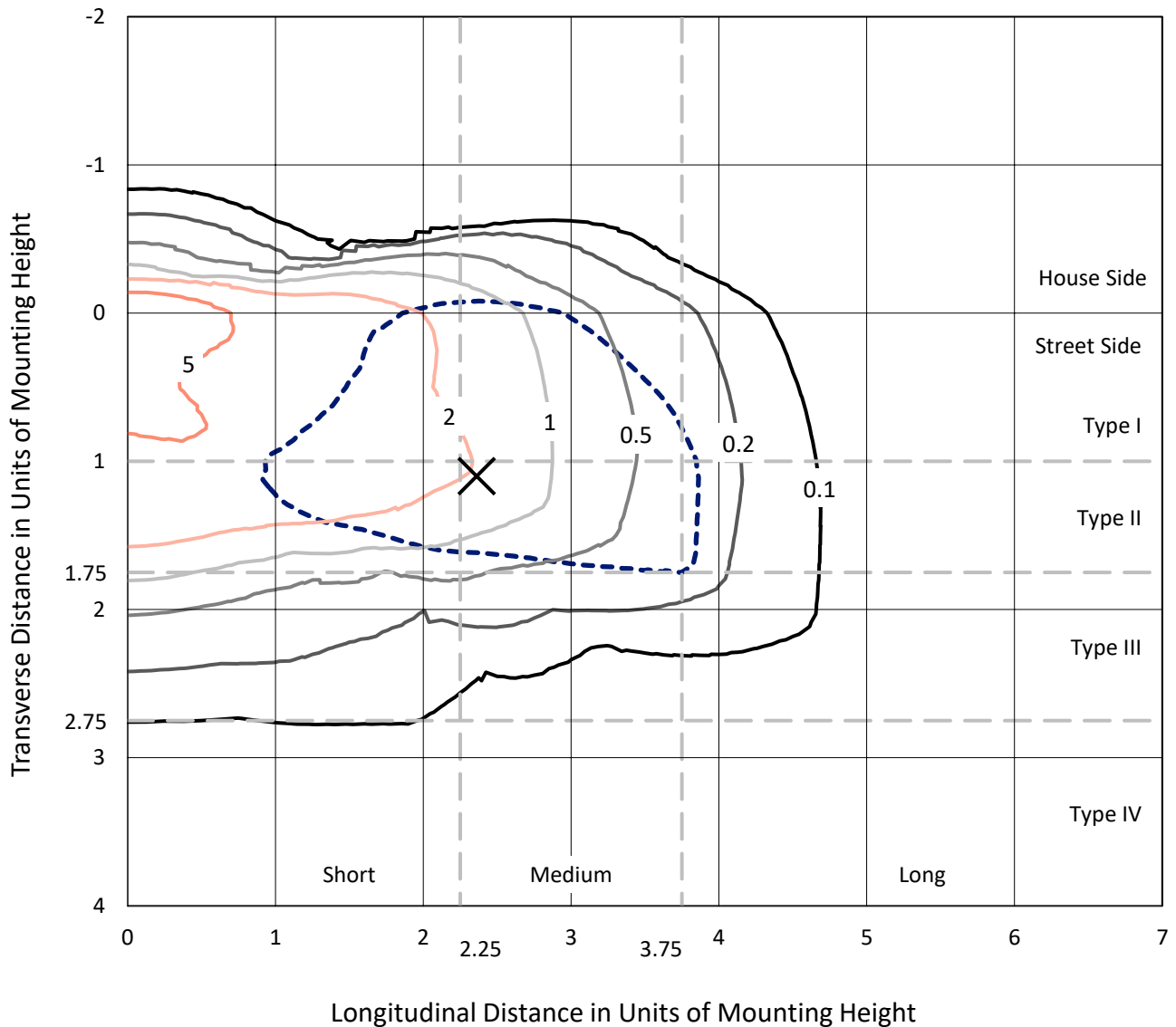
Lumens per Lamp: N/A
Luminaire Lumens: 34267.2 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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

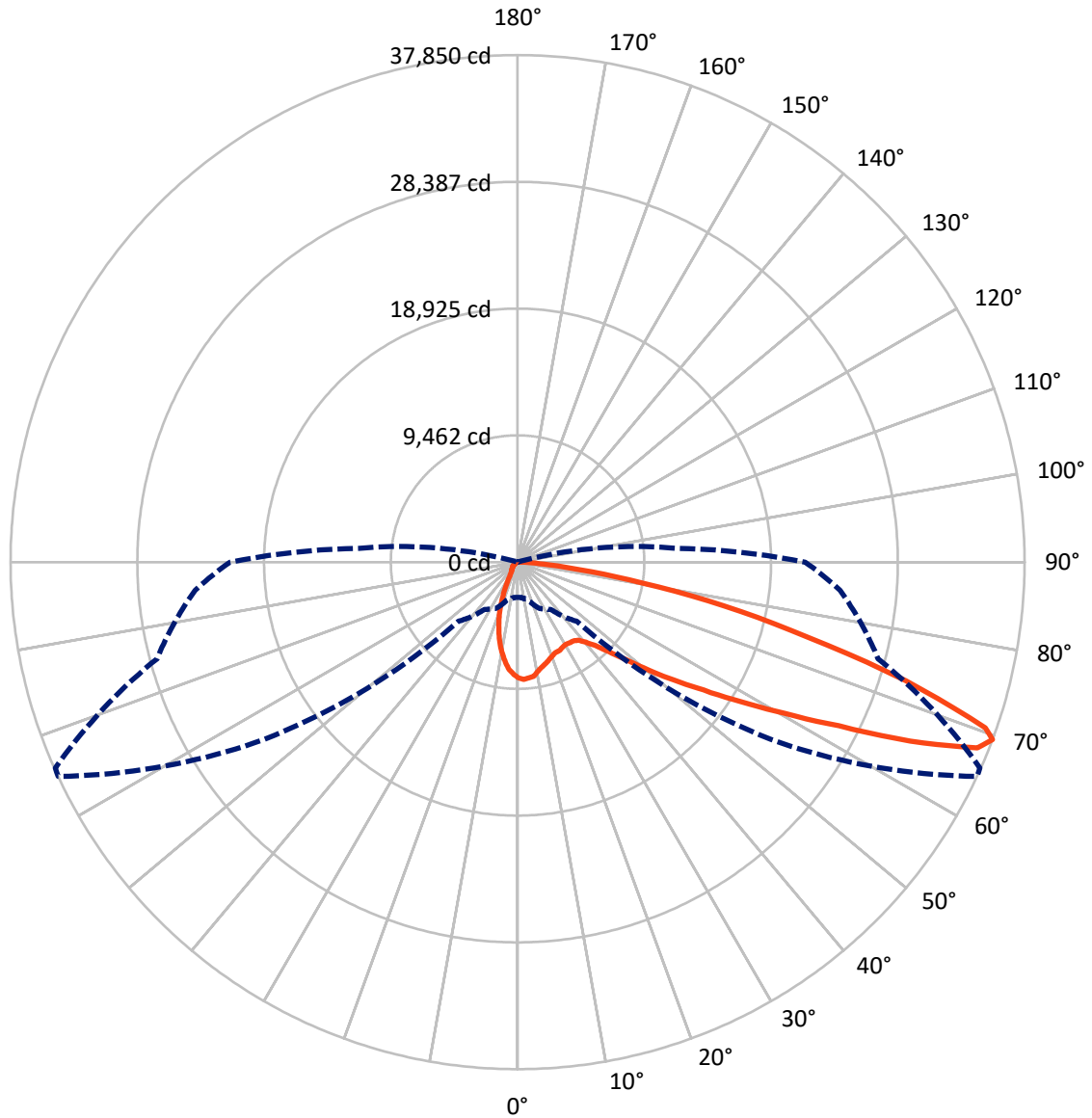
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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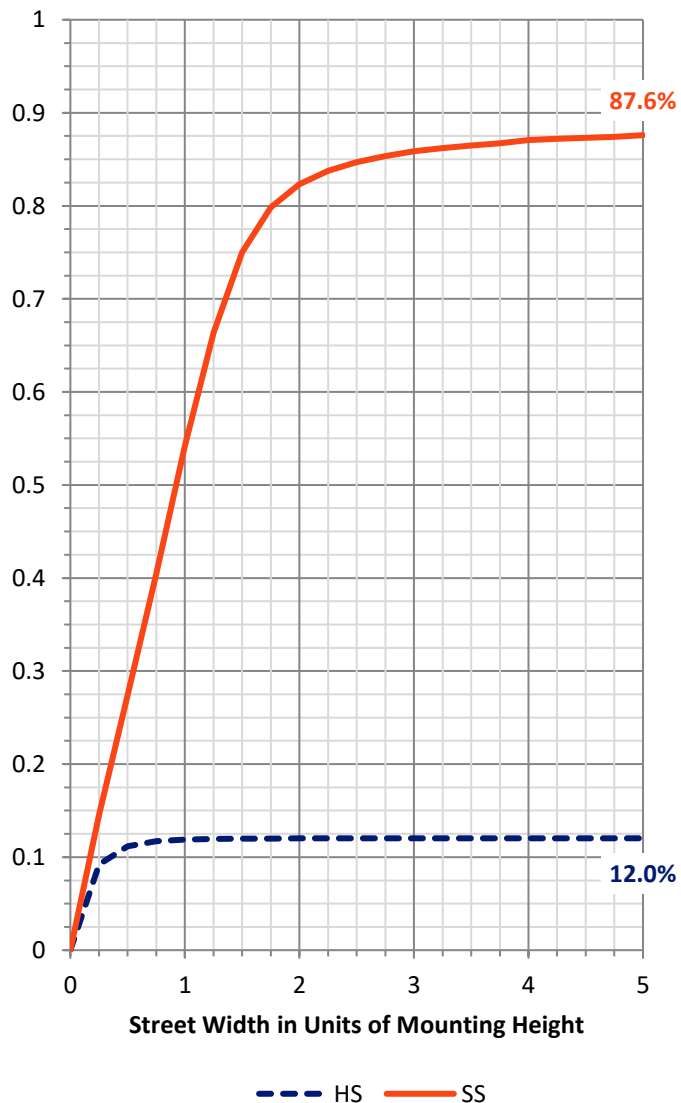
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4156.8	0.0	4156.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	30110.4	0.0	30110.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	34267.2	0.0	34267.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.0	2.1
10°-20°	1546.9	4.5
20°-30°	2153.6	6.3
30°-40°	3051.9	8.9
40°-50°	4809.7	14.0
50°-60°	7804.5	22.8
60°-70°	8716.0	25.4
70°-80°	4908.1	14.3
80°-90°	569.5	1.7
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°	34267.2	100.0
0°-180°	34267.2	100.0

Coefficient of Utilization



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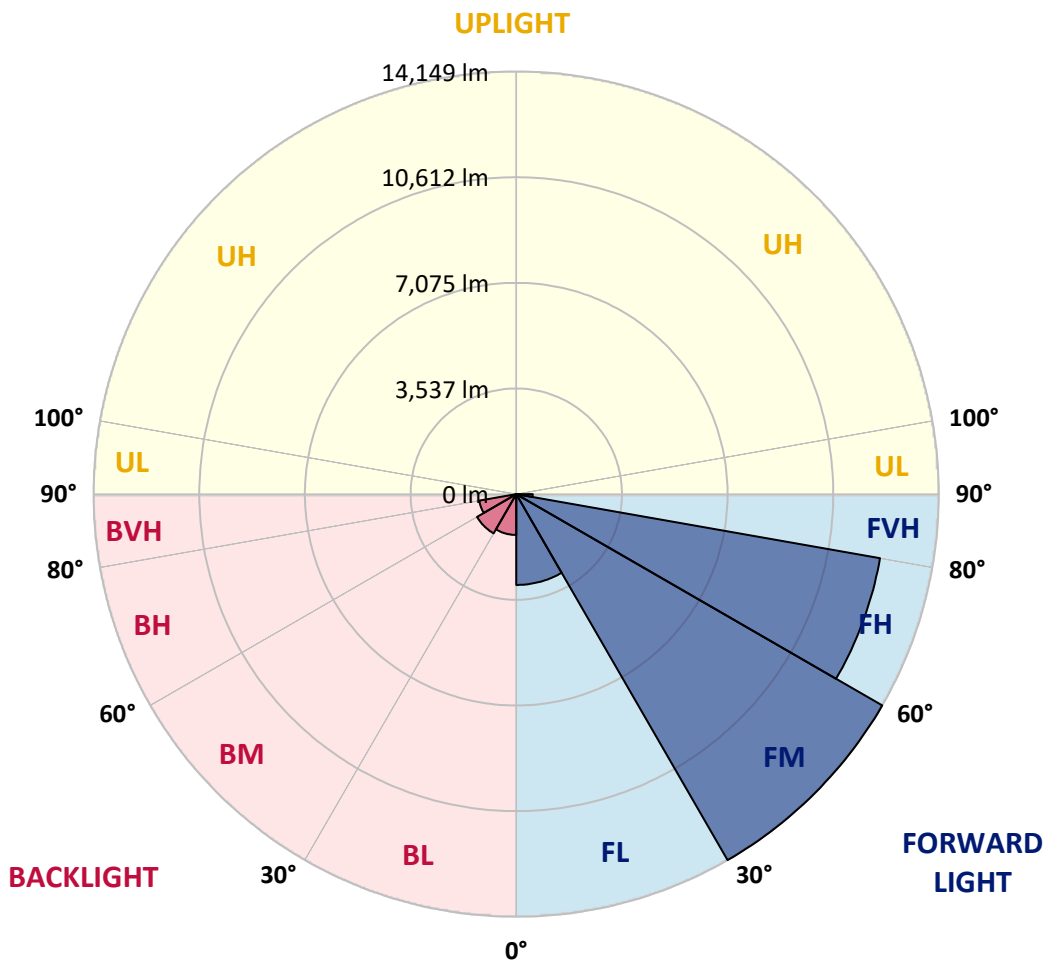
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3040.9	8.9			
FM (30°-60°)	14149.3	41.3			
FH (60°-80°)	12366.4	36.1			G5
FVH (80°-90°)	553.8	1.6			G4/750
BL (0°-30°)	1366.6	4.0	B3/2500		
BM (30°-60°)	1516.8	4.4	B2/2500		
BH (60°-80°)	1257.7	3.7	B3/2500		G3/2500
BVH (80°-90°)	15.7	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6
2.5°	8320.6	8385.3	8403.8	8468.5	8500.9	8639.6	8718.1	8764.4	8741.3	8792.1	8796.7
5°	7728.9	7691.9	7789.0	7858.3	8006.3	8246.6	8491.6	8681.2	8769.0	8852.2	8838.3
7.5°	7095.6	7077.1	7174.2	7331.4	7465.4	7756.7	8149.6	8616.4	8598.0	8801.4	8861.4
10°	6661.1	6679.6	6712.0	6869.1	7067.9	7363.7	7853.7	8288.2	8385.3	8815.2	8935.4
12.5°	6263.6	6295.9	6356.0	6517.8	6748.9	7054.0	7530.1	8038.6	8186.6	8736.6	8977.0
15°	6134.1	6060.2	6180.4	6300.5	6540.9	6813.7	7215.8	7849.1	7913.8	8644.2	9046.3
17.5°	6027.8	5981.6	6037.1	6134.1	6388.4	6610.3	6989.3	7645.7	7765.9	8607.2	9037.1
20°	6060.2	6018.6	6041.7	6115.6	6231.2	6439.2	6790.5	7451.6	7581.0	8436.2	9023.2
22.5°	6152.6	6185.0	6143.4	6161.9	6198.9	6305.2	6684.2	7312.9	7423.8	8403.8	9101.8
25°	6568.7	6513.2	6457.7	6434.6	6217.3	6263.6	6651.9	7303.6	7382.2	8288.2	9037.1
27.5°	7003.2	6956.9	6933.8	6799.8	6503.9	6365.3	6656.5	7174.2	7280.5	8242.0	8958.5
30°	7530.1	7590.2	7497.8	7336.0	6924.6	6582.5	6707.3	7109.5	7257.4	8066.4	8907.7
32.5°	8084.9	8117.2	8163.4	8043.3	7511.7	6910.7	6859.9	7169.6	7178.8	8066.4	8792.1
35°	8713.5	8667.3	8787.5	8796.7	8329.8	7493.2	7151.1	7211.2	7308.3	8029.4	8750.5
37.5°	9254.4	9332.9	9471.6	9693.5	9212.8	8316.0	7604.1	7405.3	7446.9	8200.4	8782.9
40°	9846.0	9924.6	10239.0	10460.8	10188.1	9240.5	8292.9	7858.3	7890.7	8454.7	8949.3
42.5°	10497.8	10650.4	11024.8	11413.1	11339.1	10414.6	9180.4	8524.0	8510.1	9087.9	9291.3
45°	11380.7	11584.1	11990.9	12439.3	12504.0	11759.8	10363.8	9517.8	9564.1	9915.4	9998.6
47.5°	12610.3	12601.1	12998.6	13497.9	13872.3	13155.8	11778.3	10853.8	10849.1	11223.6	11047.9
50°	13798.3	13803.0	13909.3	14487.1	15457.8	15092.7	13530.2	12628.8	12578.0	12762.9	12480.9
52.5°	14348.4	14283.7	14205.1	14903.1	16678.2	17533.4	15749.1	14639.6	14598.0	14487.1	14413.1
55°	13770.6	13793.7	13789.1	14514.8	17320.7	20108.1	18596.6	16853.8	16784.5	16437.8	16539.5
57.5°	11917.0	11843.0	12004.8	13137.3	16585.7	21864.7	22669.0	19645.9	19465.6	18314.6	18083.4
60°	8870.7	8893.8	9027.9	10363.8	14759.8	22234.5	26565.8	22923.3	22146.7	19636.6	19317.7
62.5°	6194.2	6148.0	6198.9	6947.7	10553.3	20755.3	29200.7	26907.9	26159.1	21139.0	20954.1
65°	4433.0	4372.9	4576.3	5034.0	6337.5	15869.2	29575.1	32214.6	31544.3	23538.1	23094.3
67.5°	3189.6	3180.3	3416.1	4248.1	4502.4	9138.8	26801.6	37022.1	36615.3	26385.6	24397.9
69°	2639.5	2644.1	2870.6	3804.4	4299.0	6240.5	23061.9	37849.5	37775.5	27855.5	24152.9
70°	2302.0	2320.5	2584.0	3540.9	4215.8	5131.0	19881.6	37035.9	36962.0	28142.1	23343.9
72.5°	1419.1	1433.0	1779.7	2838.3	4007.8	4188.0	11889.2	30300.9	30555.1	26829.3	20112.7
75°	679.5	684.1	933.8	2052.4	3864.5	3970.8	6369.9	22359.3	22895.5	21661.3	15716.7
77.5°	360.6	360.6	448.4	1090.9	3129.5	3735.0	3781.3	15772.2	16215.9	13696.6	8935.4
80°	180.3	184.9	272.7	568.6	1941.5	3661.1	2953.8	9406.9	9647.3	5588.7	2782.8
82.5°	69.3	74.0	129.4	342.1	1007.7	3092.5	2593.3	4627.2	4567.1	1308.2	679.5
85°	9.2	9.2	46.2	203.4	429.9	1363.7	2140.2	1932.2	1867.5	286.6	328.2
87.5°	0.0	0.0	9.2	60.1	129.4	397.5	827.4	531.6	591.7	78.6	161.8
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°	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6
2.5°	8773.6	8676.5	8528.6	8385.3	8232.8	8047.9	7844.5	7770.5	7641.1	7631.8	7705.8
5°	8764.4	8607.2	8348.3	8043.3	7608.7	7280.5	6924.6	6665.7	6467.0	6337.5	6369.9
7.5°	8810.6	8621.1	8172.7	7516.3	6956.9	6305.2	5755.1	5376.0	5029.3	4858.3	4839.8
10°	8736.6	8482.4	7826.0	6906.1	6083.3	5172.6	4368.3	3859.8	3342.1	3152.6	3161.8
12.5°	8778.2	8422.3	7451.6	6277.4	5144.9	3961.5	3000.0	2306.7	1821.3	1664.1	1645.6
15°	8806.0	8292.9	7091.0	5524.0	4104.8	2699.6	1738.1	1308.2	1155.6	1127.9	1123.3
17.5°	8699.7	8135.7	6582.5	4779.7	3041.6	1641.0	1155.6	1067.8	1040.1	1021.6	1012.3
20°	8695.0	8043.3	6143.4	4017.0	2029.3	1118.7	998.5	966.1	924.5	910.6	910.6
22.5°	8616.4	7849.1	5616.4	3180.3	1294.3	961.5	896.8	845.9	799.7	781.2	776.6
25°	8593.3	7622.6	5121.8	2389.9	984.6	859.8	795.1	721.1	665.6	637.9	624.0
27.5°	8528.6	7428.5	4622.6	1682.6	859.8	767.3	684.1	605.6	540.8	499.2	494.6
30°	8297.5	7225.1	4067.9	1164.9	781.2	679.5	587.1	494.6	429.9	402.2	392.9
32.5°	8200.4	7035.5	3462.3	896.8	711.9	600.9	494.6	411.4	360.6	332.8	328.2
35°	8084.9	6758.2	2875.2	781.2	647.2	522.3	416.0	346.7	305.1	282.0	282.0
37.5°	8098.7	6536.3	2325.1	707.3	577.8	448.4	355.9	295.8	258.9	235.8	235.8
40°	8057.1	6360.6	1807.4	642.5	513.1	383.7	300.5	249.6	217.3	194.1	189.5
42.5°	8246.6	6314.4	1363.7	587.1	448.4	328.2	258.9	212.6	180.3	152.5	152.5
45°	8565.6	6388.4	1063.2	536.2	383.7	282.0	221.9	175.7	143.3	124.8	120.2
47.5°	9416.2	6679.6	832.1	494.6	328.2	245.0	184.9	143.3	115.6	97.1	92.5
50°	10650.4	7331.4	707.3	434.5	277.4	208.0	152.5	110.9	92.5	74.0	69.3
52.5°	12406.9	8426.9	642.5	383.7	231.1	171.0	120.2	87.8	69.3	55.5	50.8
55°	14320.7	9795.2	582.4	323.6	194.1	138.7	97.1	69.3	50.8	37.0	32.4
57.5°	15813.8	10978.6	531.6	268.1	157.2	110.9	74.0	50.8	37.0	23.1	18.5
60°	17445.5	11810.6	466.9	212.6	129.4	83.2	55.5	37.0	27.7	13.9	13.9
62.5°	19128.1	12786.0	383.7	166.4	101.7	64.7	41.6	27.7	18.5	4.6	4.6
65°	21467.2	13548.7	295.8	129.4	78.6	46.2	32.4	23.1	9.2	0.0	0.0
67.5°	22128.2	13174.3	217.3	101.7	55.5	32.4	23.1	13.9	4.6	0.0	0.0
69°	21467.2	11866.1	189.5	87.8	46.2	27.7	18.5	9.2	4.6	0.0	0.0
70°	20260.7	10849.1	166.4	74.0	41.6	27.7	13.9	9.2	4.6	0.0	0.0
72.5°	16946.3	8320.6	129.4	55.5	32.4	23.1	13.9	9.2	0.0	0.0	0.0
75°	12430.1	5140.3	97.1	41.6	27.7	18.5	13.9	9.2	0.0	0.0	0.0
77.5°	6661.1	1876.8	69.3	27.7	18.5	13.9	13.9	9.2	0.0	0.0	0.0
80°	1825.9	554.7	50.8	18.5	13.9	9.2	9.2	4.6	0.0	0.0	0.0
82.5°	499.2	143.3	32.4	18.5	13.9	9.2	4.6	0.0	0.0	0.0	0.0
85°	268.1	55.5	18.5	13.9	9.2	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	138.7	18.5	13.9	9.2	9.2	4.6	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)