

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: P484076

Luminaire Tested: **IFLD-L-SA8B-750-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484076
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-750-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (128) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

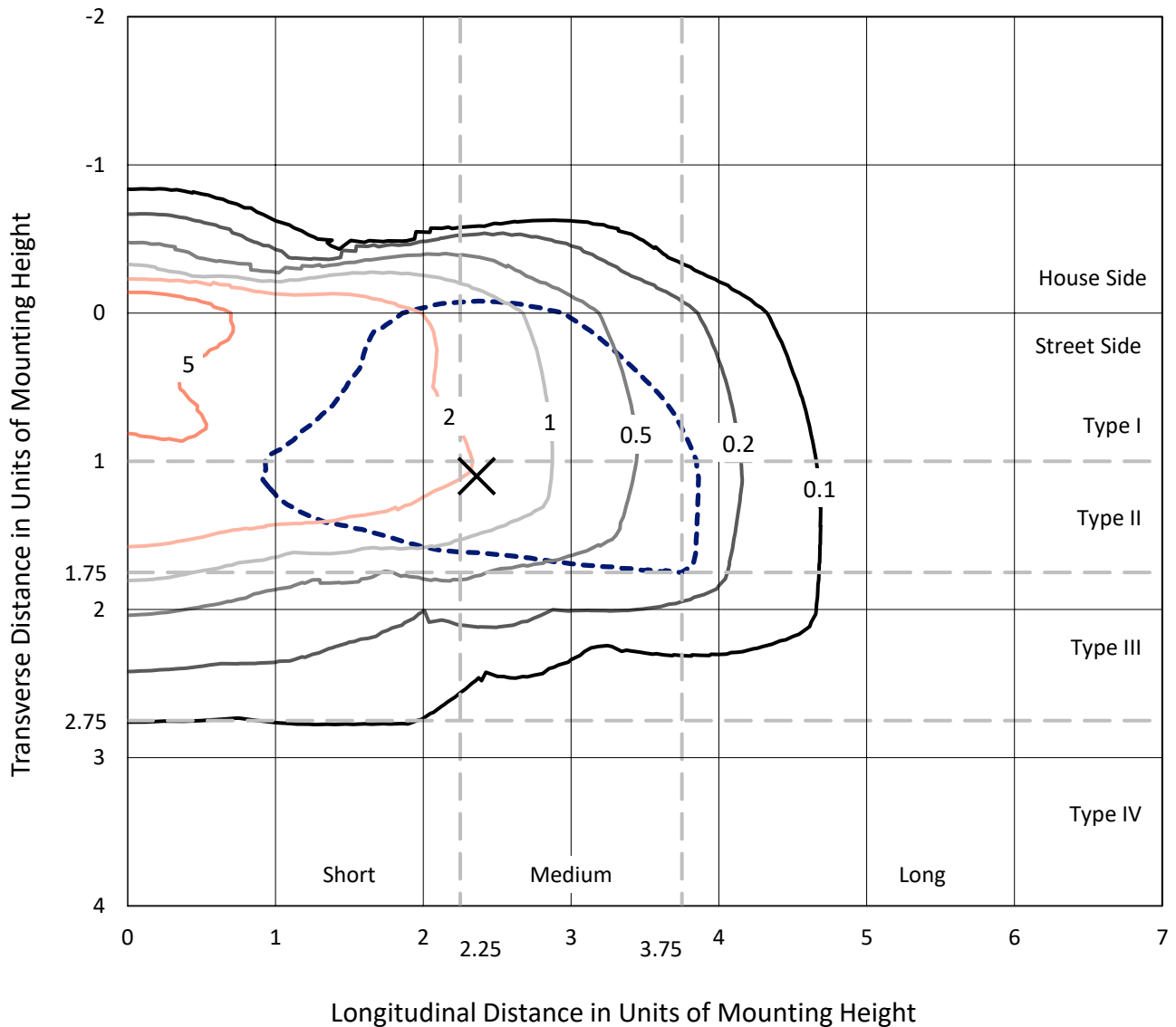
Lumens per Lamp: N/A
Luminaire Lumens: 34264.2 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 320
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

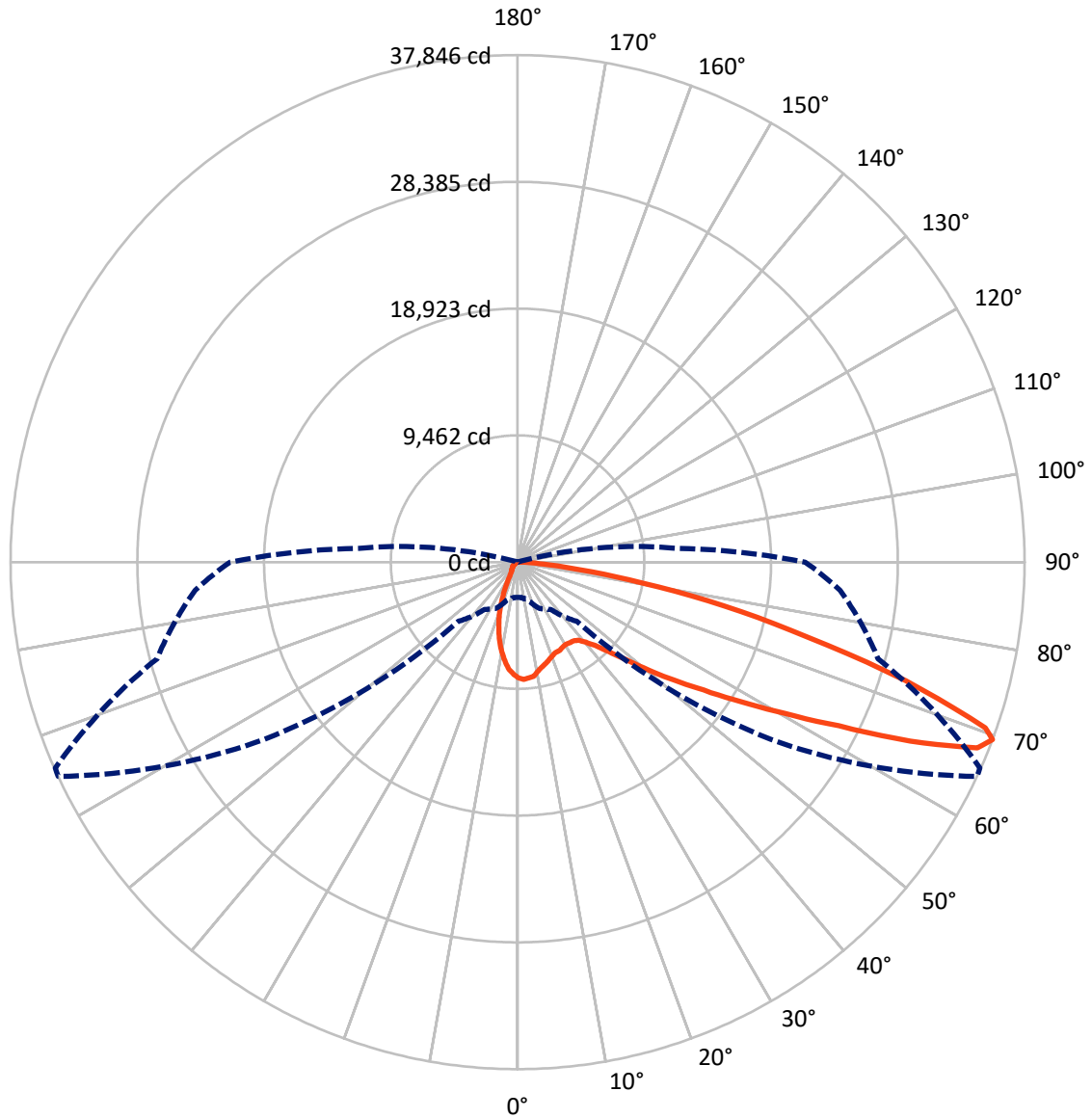
× Max cd
 - - - 1/2 Max cd



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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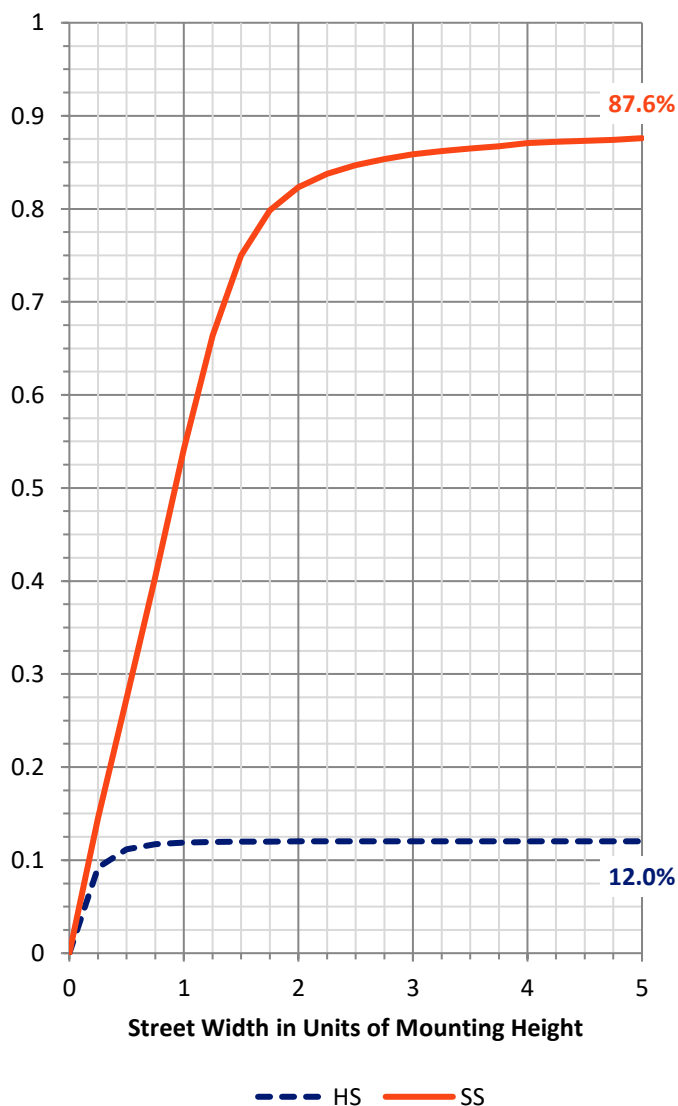
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4156.5	0.0	4156.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	30107.8	0.0	30107.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	34264.2	0.0	34264.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.9	2.1
10°-20°	1546.8	4.5
20°-30°	2153.4	6.3
30°-40°	3051.6	8.9
40°-50°	4809.3	14.0
50°-60°	7803.8	22.8
60°-70°	8715.3	25.4
70°-80°	4907.7	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°	34264.2	100.0
0°-180°	34264.2	100.0

Coefficient of Utilization



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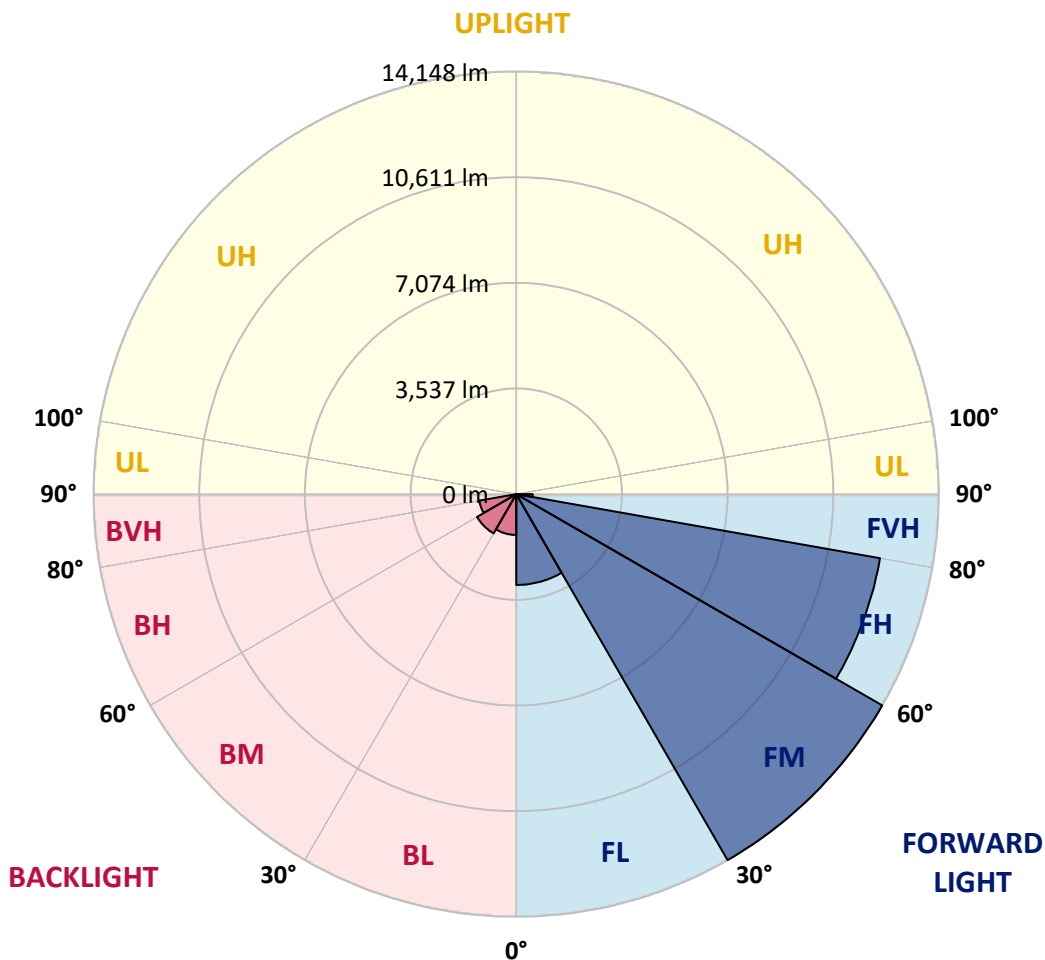
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3040.6	8.9			
FM (30°-60°)	14148.0	41.3			
FH (60°-80°)	12365.4	36.1			G5
FVH (80°-90°)	553.8	1.6			G4/750
BL (0°-30°)	1366.5	4.0	B3/2500		
BM (30°-60°)	1516.7	4.4	B2/2500		
BH (60°-80°)	1257.6	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°	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8
2.5°	8319.9	8384.6	8403.1	8467.8	8500.1	8638.8	8717.4	8763.6	8740.5	8791.3	8796.0
5°	7728.2	7691.3	7788.3	7857.7	8005.6	8245.9	8490.9	8680.4	8768.2	8851.4	8837.6
7.5°	7095.0	7076.5	7173.6	7330.7	7464.8	7756.0	8148.9	8615.7	8597.2	8800.6	8860.7
10°	6660.5	6679.0	6711.4	6868.5	7067.3	7363.1	7853.0	8287.5	8384.6	8814.5	8934.6
12.5°	6263.0	6295.4	6355.5	6517.2	6748.3	7053.4	7529.5	8037.9	8185.8	8735.9	8976.2
15°	6133.6	6059.6	6179.8	6300.0	6540.4	6813.1	7215.2	7848.4	7913.1	8643.4	9045.6
17.5°	6027.3	5981.1	6036.5	6133.6	6387.8	6609.7	6988.7	7645.0	7765.2	8606.5	9036.3
20°	6059.6	6018.0	6041.2	6115.1	6230.7	6438.7	6789.9	7450.9	7580.3	8435.4	9022.4
22.5°	6152.1	6184.4	6142.8	6161.3	6198.3	6304.6	6683.6	7312.3	7423.2	8403.1	9101.0
25°	6568.1	6512.6	6457.2	6434.0	6216.8	6263.0	6651.3	7303.0	7381.6	8287.5	9036.3
27.5°	7002.6	6956.3	6933.2	6799.2	6503.4	6364.7	6655.9	7173.6	7279.9	8241.3	8957.7
30°	7529.5	7589.6	7497.1	7335.4	6924.0	6581.9	6706.7	7108.9	7256.8	8065.7	8906.9
32.5°	8084.2	8116.5	8162.7	8042.6	7511.0	6910.1	6859.3	7169.0	7178.2	8065.7	8791.3
35°	8712.8	8666.5	8786.7	8796.0	8329.1	7492.5	7150.5	7210.6	7307.6	8028.7	8749.7
37.5°	9253.6	9332.1	9470.8	9692.7	9212.0	8315.3	7603.4	7404.7	7446.3	8199.7	8782.1
40°	9845.2	9923.8	10238.1	10459.9	10187.2	9239.7	8292.1	7857.7	7890.0	8453.9	8948.5
42.5°	10496.9	10649.4	11023.8	11412.1	11338.1	10413.7	9179.6	8523.3	8509.4	9087.2	9290.5
45°	11379.7	11583.1	11989.9	12438.2	12502.9	11758.8	10362.9	9517.0	9563.2	9914.5	9997.7
47.5°	12609.2	12600.0	12997.5	13496.7	13871.1	13154.7	11777.3	10852.8	10848.2	11222.6	11047.0
50°	13797.1	13801.8	13908.1	14485.8	15456.5	15091.3	13529.0	12627.7	12576.9	12761.8	12479.8
52.5°	14347.2	14282.5	14203.9	14901.8	16676.7	17531.8	15747.7	14638.4	14596.8	14485.8	14411.9
55°	13769.4	13792.5	13787.9	14513.6	17319.2	20106.4	18594.9	16852.4	16783.0	16436.4	16538.1
57.5°	11915.9	11842.0	12003.7	13136.2	16584.3	21862.8	22667.1	19644.2	19463.9	18313.0	18081.9
60°	8869.9	8893.0	9027.1	10362.9	14758.5	22232.6	26563.5	22921.3	22144.7	19634.9	19316.0
62.5°	6193.7	6147.5	6198.3	6947.1	10552.4	20753.5	29198.2	26905.6	26156.8	21137.1	20952.2
65°	4432.6	4372.6	4575.9	5033.5	6337.0	15867.9	29572.6	32211.8	31541.6	23536.0	23092.3
67.5°	3189.3	3180.0	3415.8	4247.8	4502.0	9138.0	26799.3	37018.8	36612.1	26383.3	24395.7
69°	2639.3	2643.9	2870.4	3804.0	4298.6	6239.9	23059.9	37846.2	37772.3	27853.1	24150.8
70°	2301.8	2320.3	2583.8	3540.6	4215.4	5130.6	19879.9	37032.7	36958.8	28139.7	23341.9
72.5°	1419.0	1432.9	1779.5	2838.0	4007.4	4187.7	11888.2	30298.2	30552.4	26827.0	20111.0
75°	679.5	684.1	933.7	2052.2	3864.1	3970.4	6369.3	22357.4	22893.5	21659.4	15715.3
77.5°	360.5	360.5	448.3	1090.8	3129.2	3734.7	3780.9	15770.8	16214.5	13695.4	8934.6
80°	180.3	184.9	272.7	568.5	1941.3	3660.7	2953.6	9406.1	9646.4	5588.2	2782.5
82.5°	69.3	74.0	129.4	342.0	1007.6	3092.2	2593.0	4626.8	4566.7	1308.1	679.5
85°	9.2	9.2	46.2	203.4	429.9	1363.5	2140.1	1932.1	1867.4	286.6	328.2
87.5°	0.0	0.0	9.2	60.1	129.4	397.5	827.4	531.5	591.6	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°	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8	8638.8
2.5°	8772.9	8675.8	8527.9	8384.6	8232.1	8047.2	7843.8	7769.8	7640.4	7631.2	7705.1
5°	8763.6	8606.5	8347.6	8042.6	7608.1	7279.9	6924.0	6665.1	6466.4	6337.0	6369.3
7.5°	8809.8	8620.3	8172.0	7515.6	6956.3	6304.6	5754.6	5375.6	5028.9	4857.9	4839.4
10°	8735.9	8481.7	7825.3	6905.5	6082.8	5172.2	4367.9	3859.5	3341.8	3152.3	3161.6
12.5°	8777.5	8421.6	7450.9	6276.9	5144.5	3961.2	2999.8	2306.5	1821.1	1664.0	1645.5
15°	8805.2	8292.1	7090.4	5523.5	4104.5	2699.3	1737.9	1308.1	1155.5	1127.8	1123.2
17.5°	8698.9	8135.0	6581.9	4779.3	3041.4	1640.9	1155.5	1067.7	1040.0	1021.5	1012.3
20°	8694.3	8042.6	6142.8	4016.7	2029.1	1118.6	998.4	966.0	924.4	910.6	910.6
22.5°	8615.7	7848.4	5615.9	3180.0	1294.2	961.4	896.7	845.9	799.6	781.1	776.5
25°	8592.6	7621.9	5121.3	2389.7	984.5	859.7	795.0	721.1	665.6	637.9	624.0
27.5°	8527.9	7427.8	4622.2	1682.5	859.7	767.3	684.1	605.5	540.8	499.2	494.6
30°	8296.8	7224.4	4067.5	1164.8	781.1	679.5	587.0	494.6	429.9	402.1	392.9
32.5°	8199.7	7034.9	3462.0	896.7	711.8	600.9	494.6	411.4	360.5	332.8	328.2
35°	8084.2	6757.6	2875.0	781.1	647.1	522.3	416.0	346.7	305.1	282.0	282.0
37.5°	8098.0	6535.7	2324.9	707.2	577.8	448.3	355.9	295.8	258.8	235.7	235.7
40°	8056.4	6360.1	1807.3	642.5	513.1	383.6	300.4	249.6	217.2	194.1	189.5
42.5°	8245.9	6313.9	1363.5	587.0	448.3	328.2	258.8	212.6	180.3	152.5	152.5
45°	8564.9	6387.8	1063.1	536.2	383.6	282.0	221.9	175.6	143.3	124.8	120.2
47.5°	9415.3	6679.0	832.0	494.6	328.2	245.0	184.9	143.3	115.6	97.1	92.4
50°	10649.4	7330.7	707.2	434.5	277.3	208.0	152.5	110.9	92.4	74.0	69.3
52.5°	12405.9	8426.2	642.5	383.6	231.1	171.0	120.2	87.8	69.3	55.5	50.8
55°	14319.4	9794.3	582.4	323.6	194.1	138.7	97.1	69.3	50.8	37.0	32.4
57.5°	15812.4	10977.6	531.5	268.1	157.2	110.9	74.0	50.8	37.0	23.1	18.5
60°	17444.0	11809.6	466.8	212.6	129.4	83.2	55.5	37.0	27.7	13.9	13.9
62.5°	19126.5	12784.9	383.6	166.4	101.7	64.7	41.6	27.7	18.5	4.6	4.6
65°	21465.3	13547.5	295.8	129.4	78.6	46.2	32.4	23.1	9.2	0.0	0.0
67.5°	22126.3	13173.1	217.2	101.7	55.5	32.4	23.1	13.9	4.6	0.0	0.0
69°	21465.3	11865.1	189.5	87.8	46.2	27.7	18.5	9.2	4.6	0.0	0.0
70°	20258.9	10848.2	166.4	74.0	41.6	27.7	13.9	9.2	4.6	0.0	0.0
72.5°	16944.8	8319.9	129.4	55.5	32.4	23.1	13.9	9.2	0.0	0.0	0.0
75°	12429.0	5139.8	97.1	41.6	27.7	18.5	13.9	9.2	0.0	0.0	0.0
77.5°	6660.5	1876.6	69.3	27.7	18.5	13.9	13.9	9.2	0.0	0.0	0.0
80°	1825.8	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)