

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: P565261

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T2R**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565261  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-AMB-U-T2R  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T2R distribution lens  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

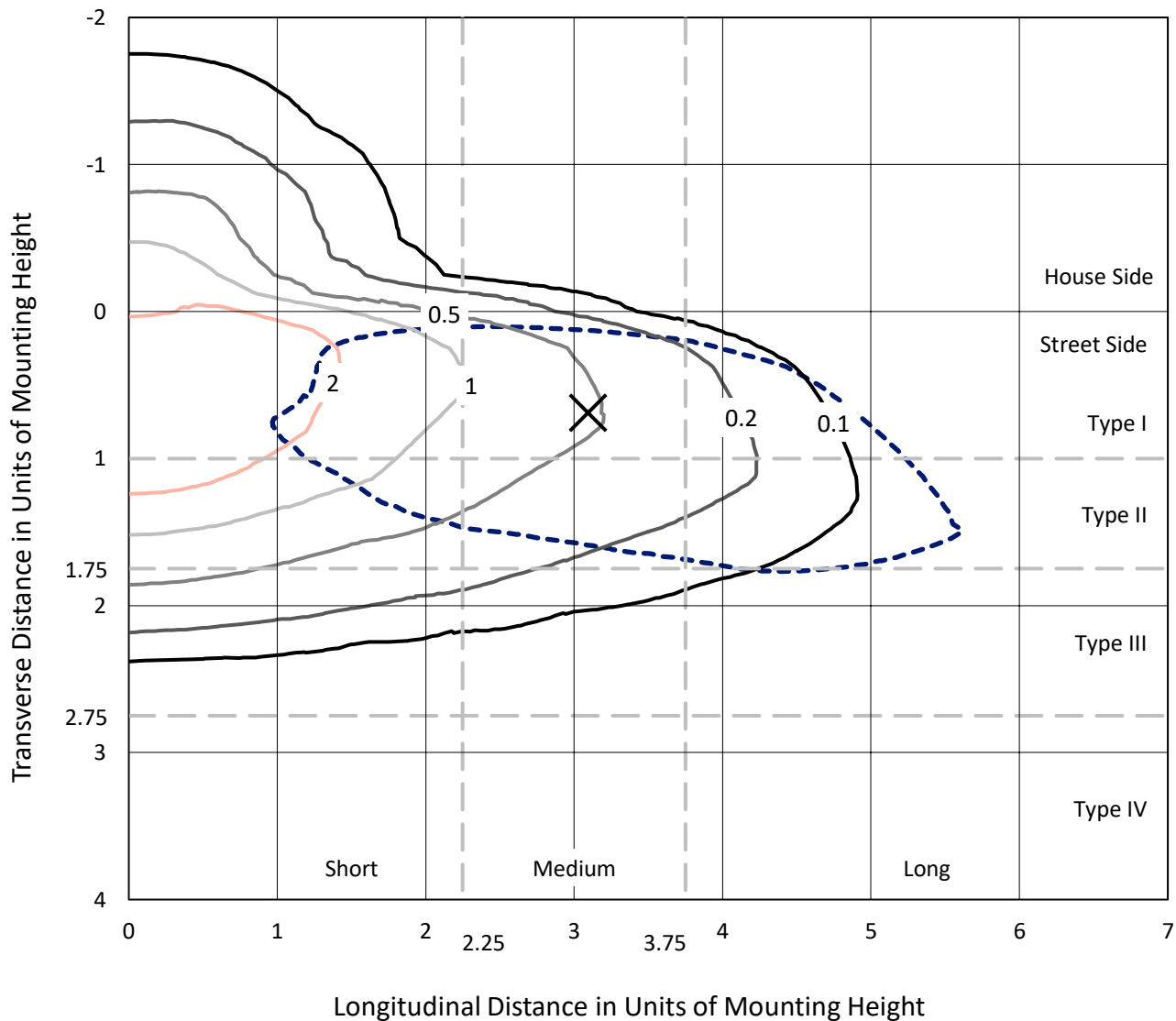
Lumens per Lamp: N/A  
Luminaire Lumens: 2207 lumens  
Efficiency: N/A  
Efficacy: 53.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 41.2  
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

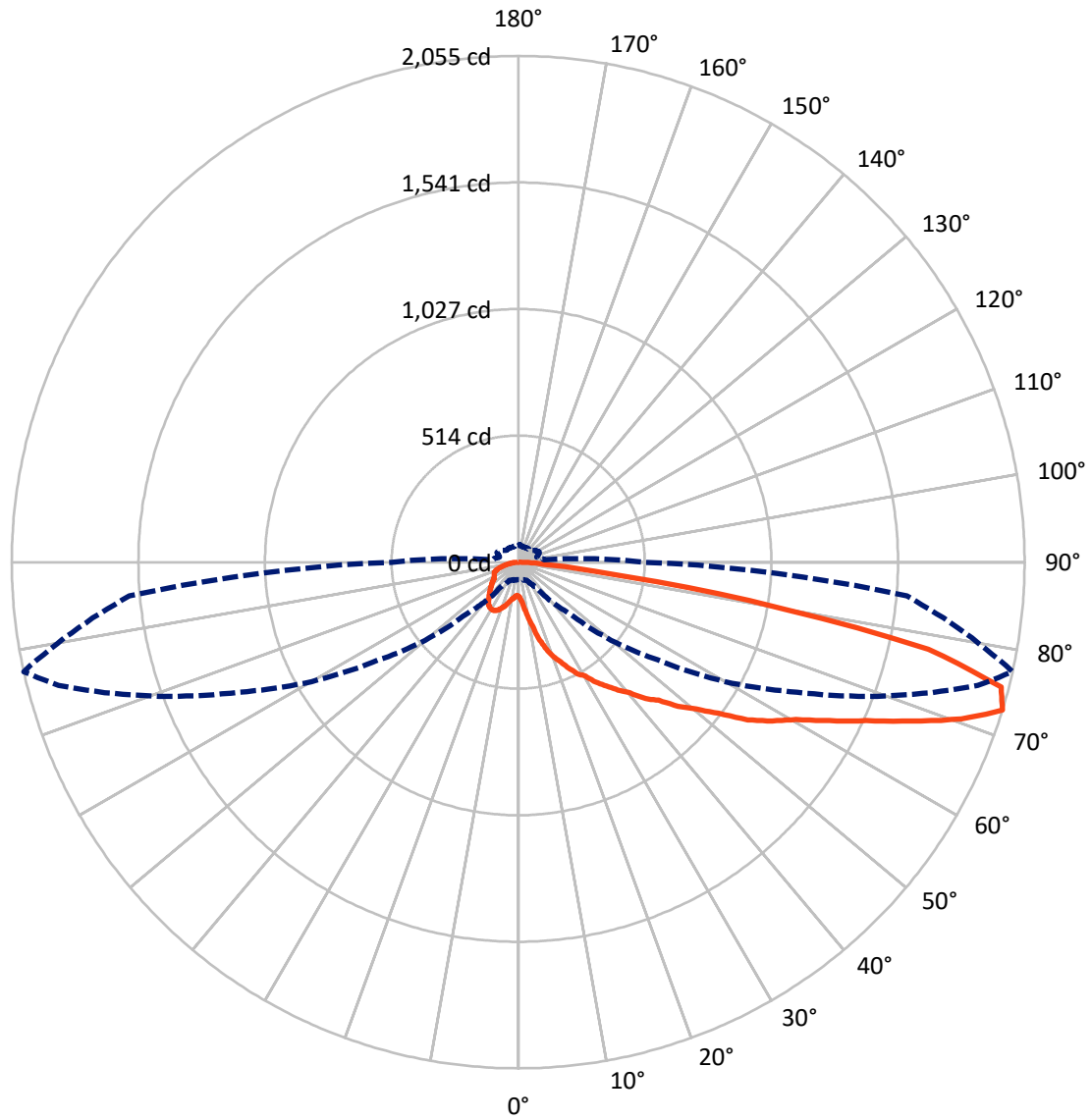
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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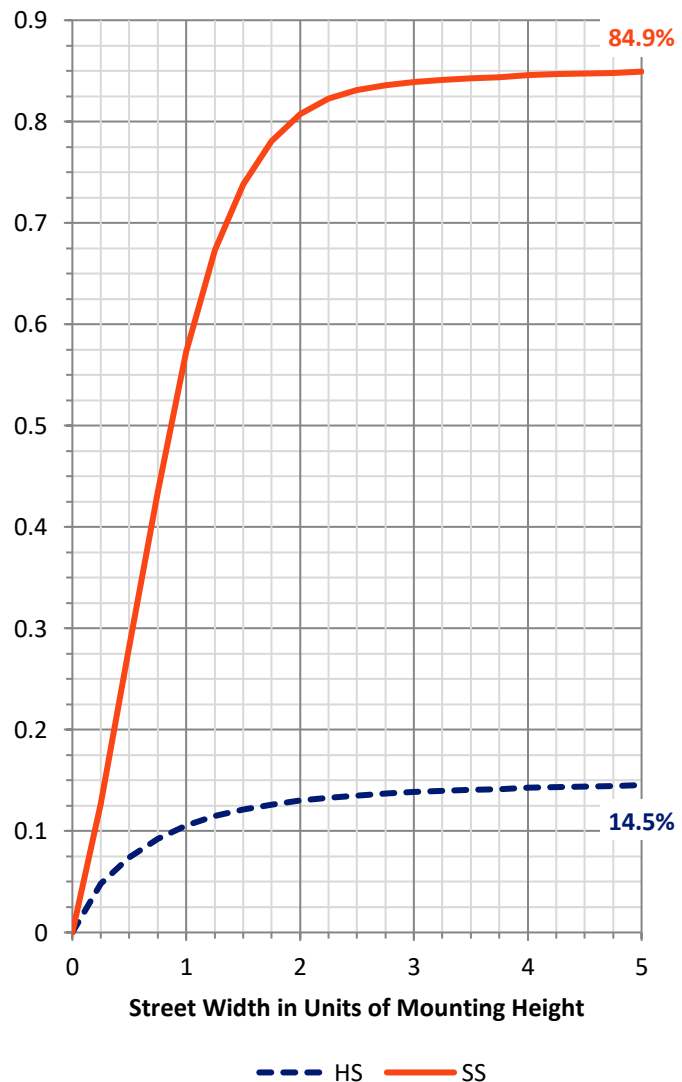
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	326.5	0.0	326.5
	% Fixture	14.8	0.0	14.8
<b>Street Side</b>	Lumens	1880.5	0.0	1880.5
	% Fixture	85.2	0.0	85.2
<b>Total</b>	Lumens	2207.0	0.0	2207.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.9	0.9
10°-20°	84.5	3.8
20°-30°	160.4	7.3
30°-40°	271.5	12.3
40°-50°	391.1	17.7
50°-60°	449.6	20.4
60°-70°	452.2	20.5
70°-80°	325.4	14.7
80°-90°	52.4	2.4
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°	2207.0	100.0
0°-180°	2207.0	100.0

**Coefficient of Utilization**

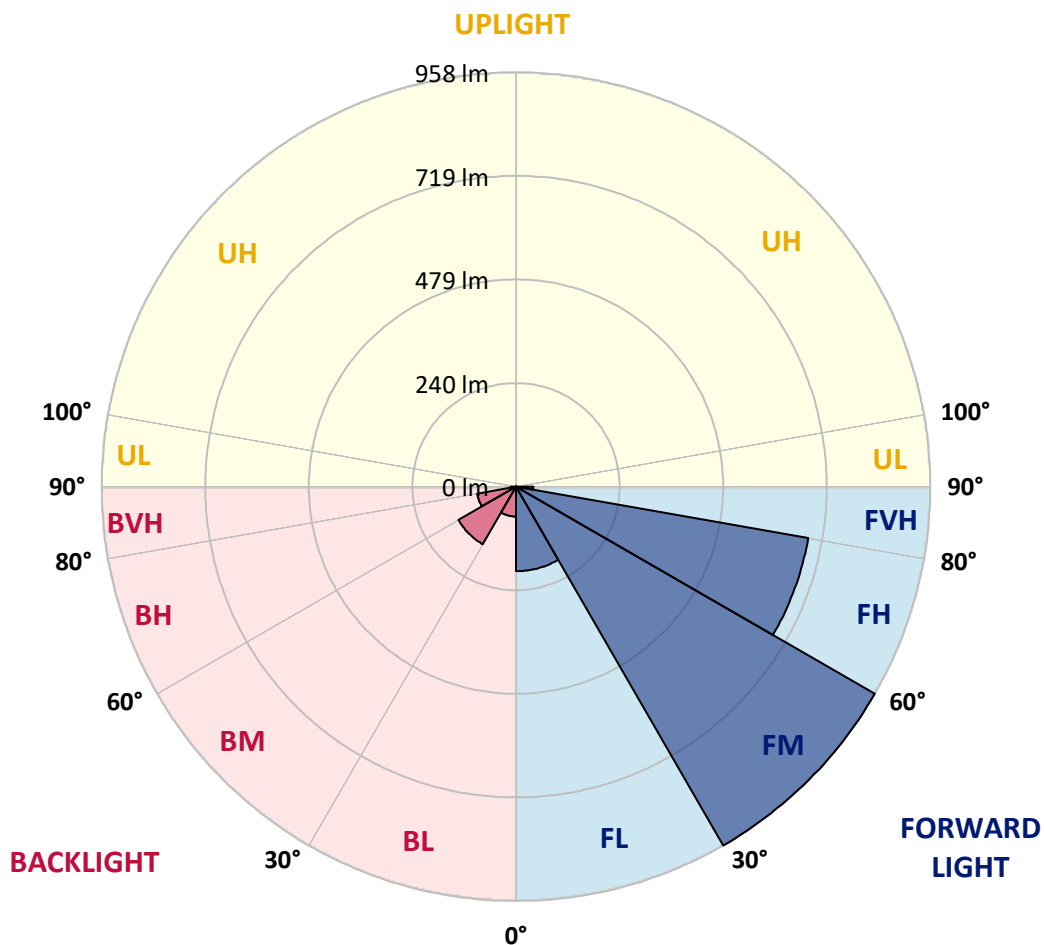


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.5	8.9			
FM (30°-60°)	958.5	43.4			
FH (60°-80°)	686.4	31.1			G1/1800
FVH (80°-90°)	40.1	1.8			G1/100
BL (0°-30°)	69.2	3.1	B0/110		
BM (30°-60°)	153.8	7.0	B0/220		
BH (60°-80°)	91.2	4.1	B0/110		G0/110
BVH (80°-90°)	12.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	199.7	193.3	188.9	184.6	177.1	172.7	164.1	151.2	145.8	145.8	141.4
5°	316.3	305.5	303.4	293.7	280.7	259.1	223.5	192.2	169.5	161.9	150.1
7.5°	362.8	368.2	364.9	360.6	350.9	333.6	312.0	257.0	204.1	193.3	167.3
10°	407.0	416.7	412.4	404.9	408.1	387.6	364.9	326.1	251.6	230.0	190.0
12.5°	442.7	444.8	452.4	454.5	461.0	445.9	423.2	377.9	306.6	274.2	214.8
15°	472.9	467.5	482.6	495.6	501.0	496.6	467.5	418.9	357.4	329.3	245.1
17.5°	468.6	465.3	476.1	506.4	524.7	536.6	517.2	465.3	398.4	372.5	280.7
20°	441.6	450.2	464.2	494.5	525.8	560.3	562.5	505.3	431.9	409.2	318.5
22.5°	448.1	445.9	458.9	486.9	527.9	561.4	587.3	553.9	464.2	440.5	349.8
25°	465.3	466.4	481.5	502.0	533.3	572.2	605.7	587.3	496.6	476.1	383.3
27.5°	525.8	521.5	519.3	524.7	549.5	591.6	621.9	617.6	531.2	512.8	421.1
30°	658.6	638.1	604.6	574.4	572.2	610.0	630.5	639.2	569.0	536.6	445.9
32.5°	800.0	802.2	755.8	678.0	602.4	638.1	658.6	648.9	611.1	580.9	474.0
35°	874.5	874.5	865.9	806.5	701.8	668.3	672.6	661.8	645.6	617.6	508.5
37.5°	946.9	942.5	911.2	875.6	807.6	721.2	716.9	676.9	675.9	658.6	536.6
40°	1004.1	989.0	972.8	929.6	885.3	807.6	748.2	713.6	713.6	698.5	563.6
42.5°	1021.3	1015.9	992.2	960.9	928.5	883.2	808.7	749.3	764.4	757.9	606.8
45°	1008.4	994.4	974.9	965.2	952.2	925.3	884.2	789.2	811.9	800.0	649.9
47.5°	951.2	953.3	936.1	965.2	967.4	947.9	970.6	843.2	861.6	873.4	695.3
50°	870.2	869.1	882.1	937.1	951.2	973.8	1014.9	912.3	925.3	938.2	754.7
52.5°	737.4	739.6	784.9	842.1	922.0	971.7	1072.1	989.0	1006.2	1018.1	832.4
55°	628.4	629.4	660.7	742.8	858.3	956.6	1073.2	1067.8	1109.9	1129.3	912.3
57.5°	587.3	590.6	598.1	653.2	756.8	929.6	1100.2	1123.9	1175.7	1215.7	981.4
60°	534.4	529.0	551.7	599.2	681.3	875.6	1099.1	1162.8	1253.5	1295.6	1073.2
62.5°	437.3	432.9	462.1	534.4	638.1	789.2	1109.9	1229.7	1344.2	1417.6	1163.9
65°	294.7	288.3	326.1	410.3	544.1	734.2	1103.4	1276.1	1470.5	1550.4	1295.6
67.5°	155.5	154.4	185.7	266.7	413.5	642.4	1033.2	1350.6	1627.0	1721.0	1442.4
70°	85.3	85.3	98.2	136.0	242.9	483.7	923.1	1352.8	1779.3	1906.7	1540.7
72.5°	71.3	72.3	74.5	79.9	120.9	294.7	691.0	1247.0	1930.4	2054.6	1583.8
75°	62.6	62.6	63.7	64.8	74.5	146.8	440.5	1080.7	1998.4	2023.3	1461.8
77.5°	52.9	51.8	52.9	54.0	59.4	93.9	211.6	821.6	1772.8	1701.5	1010.6
80°	43.2	44.3	44.3	44.3	49.7	72.3	85.3	510.7	1086.1	952.2	452.4
82.5°	31.3	32.4	34.5	35.6	44.3	49.7	45.3	234.3	401.6	313.1	130.6
85°	14.0	15.1	22.7	22.7	32.4	23.8	24.8	84.2	126.3	108.0	38.9
87.5°	1.1	1.1	8.6	8.6	13.0	7.6	9.7	24.8	43.2	41.0	10.8
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°	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1
2.5°	139.3	138.2	135.0	135.0	132.8	132.8	131.7	131.7	131.7	129.6	128.5
5°	145.8	142.5	139.3	136.0	135.0	133.9	135.0	136.0	135.0	132.8	132.8
7.5°	156.5	150.1	144.7	140.4	140.4	139.3	139.3	139.3	139.3	140.4	139.3
10°	169.5	160.9	150.1	146.8	144.7	146.8	145.8	144.7	144.7	144.7	144.7
12.5°	185.7	173.8	157.6	154.4	154.4	152.2	151.2	152.2	150.1	146.8	149.0
15°	206.2	188.9	169.5	165.2	161.9	158.7	155.5	153.3	153.3	150.1	152.2
17.5°	232.1	203.0	181.4	172.7	170.6	164.1	158.7	155.5	152.2	151.2	151.2
20°	255.9	219.2	188.9	180.3	171.7	165.2	159.8	153.3	149.0	146.8	147.9
22.5°	279.6	234.3	199.7	183.5	170.6	161.9	155.5	150.1	145.8	142.5	142.5
25°	303.4	247.2	204.1	183.5	169.5	157.6	150.1	145.8	140.4	136.0	136.0
27.5°	326.1	261.3	206.2	180.3	163.0	152.2	143.6	139.3	133.9	129.6	129.6
30°	352.0	269.9	203.0	173.8	155.5	144.7	138.2	131.7	128.5	123.1	123.1
32.5°	367.1	274.2	198.7	164.1	147.9	138.2	131.7	127.4	124.2	120.9	118.8
35°	383.3	274.2	190.0	153.3	139.3	130.6	128.5	126.3	124.2	116.6	114.4
37.5°	397.3	268.8	176.0	143.6	131.7	127.4	128.5	126.3	120.9	112.3	110.1
40°	413.5	262.4	160.9	132.8	123.1	127.4	131.7	123.1	108.0	102.6	100.4
42.5°	432.9	257.0	146.8	124.2	119.8	127.4	130.6	112.3	104.7	97.2	97.2
45°	448.1	246.2	135.0	116.6	116.6	123.1	125.2	108.0	102.6	96.1	96.1
47.5°	470.7	232.1	125.2	110.1	113.4	117.7	111.2	106.9	99.3	95.0	93.9
50°	506.4	217.0	116.6	104.7	110.1	114.4	104.7	102.6	96.1	90.7	90.7
52.5°	536.6	201.9	111.2	103.6	108.0	108.0	100.4	96.1	92.8	87.5	85.3
55°	561.4	181.4	102.6	100.4	108.0	96.1	93.9	92.8	91.8	84.2	83.1
57.5°	578.7	163.0	99.3	101.5	105.8	91.8	91.8	90.7	87.5	83.1	82.1
60°	579.8	152.2	98.2	101.5	103.6	87.5	89.6	88.5	85.3	83.1	82.1
62.5°	585.2	144.7	97.2	100.4	99.3	82.1	85.3	86.4	82.1	81.0	81.0
65°	603.5	138.2	97.2	102.6	90.7	79.9	81.0	81.0	78.8	79.9	79.9
67.5°	617.6	131.7	95.0	105.8	85.3	76.7	77.7	76.7	75.6	77.7	77.7
70°	585.2	119.8	88.5	102.6	84.2	72.3	72.3	72.3	70.2	75.6	74.5
72.5°	513.9	108.0	77.7	95.0	83.1	68.0	68.0	65.9	64.8	71.3	66.9
75°	385.4	89.6	63.7	76.7	78.8	65.9	62.6	59.4	55.1	56.1	54.0
77.5°	228.9	68.0	49.7	58.3	65.9	63.7	58.3	51.8	45.3	45.3	44.3
80°	114.4	45.3	38.9	44.3	48.6	61.5	50.7	43.2	35.6	35.6	33.5
82.5°	56.1	29.2	27.0	33.5	30.2	55.1	43.2	33.5	25.9	34.5	36.7
85°	24.8	18.4	17.3	20.5	17.3	37.8	32.4	20.5	22.7	23.8	17.3
87.5°	7.6	7.6	6.5	5.4	5.4	9.7	16.2	5.4	15.1	3.2	2.2
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)