

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: P565333

Luminaire Tested: **IFLD-S-SA2A-AMB-U-SL3**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565333  
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-SL3  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL3 distribution lens  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

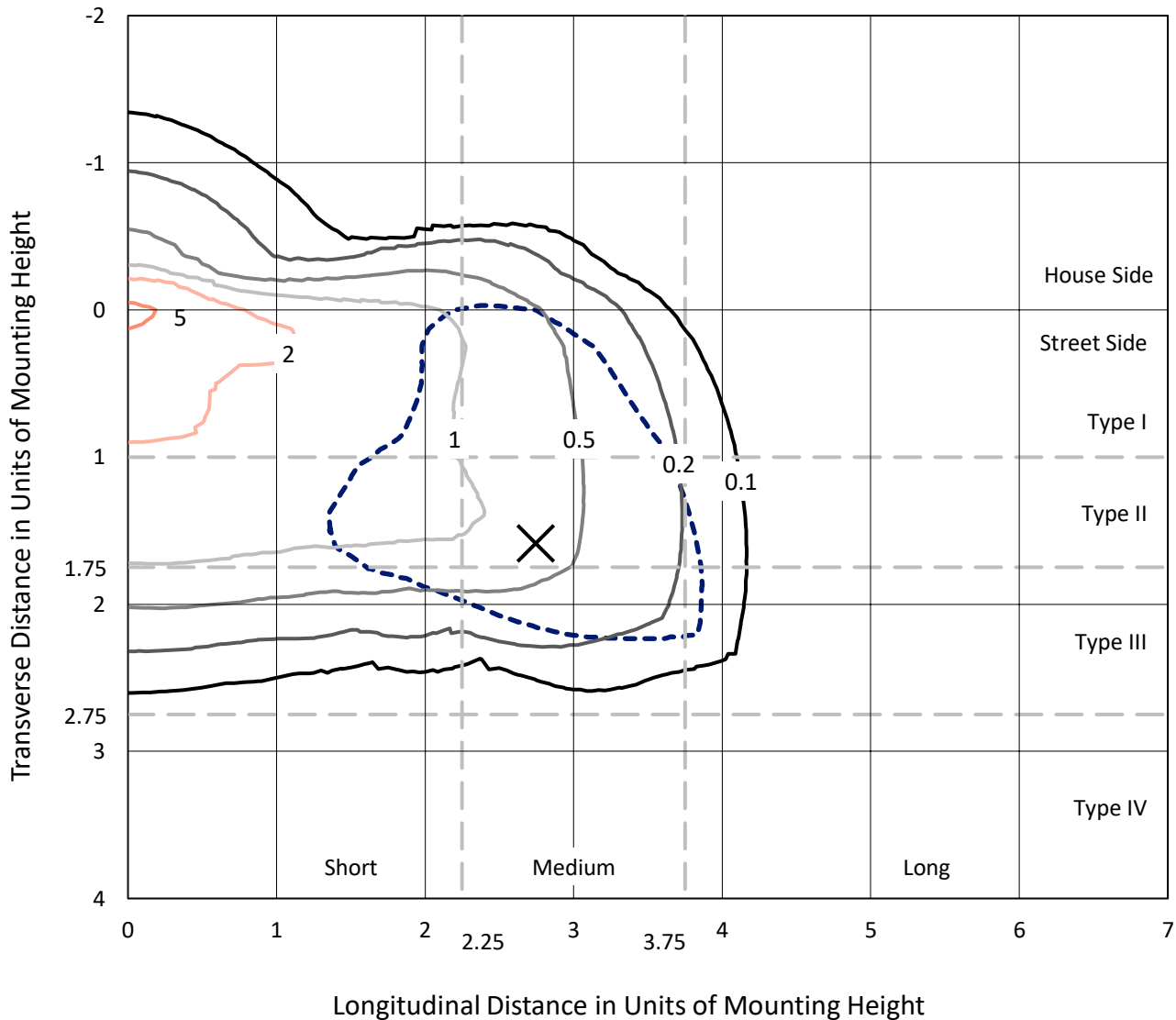
Lumens per Lamp: N/A  
Luminaire Lumens: 2165.2 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

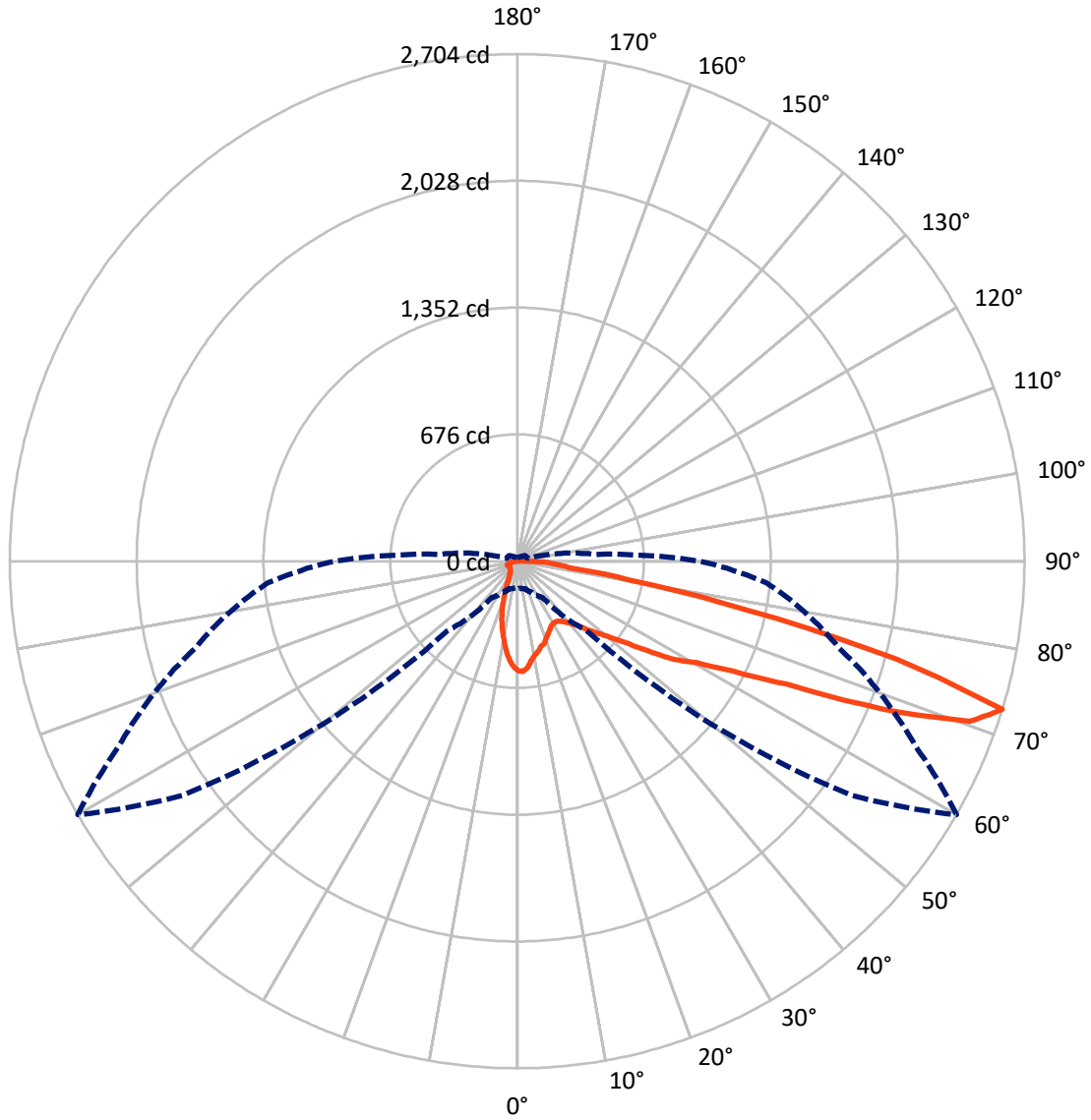
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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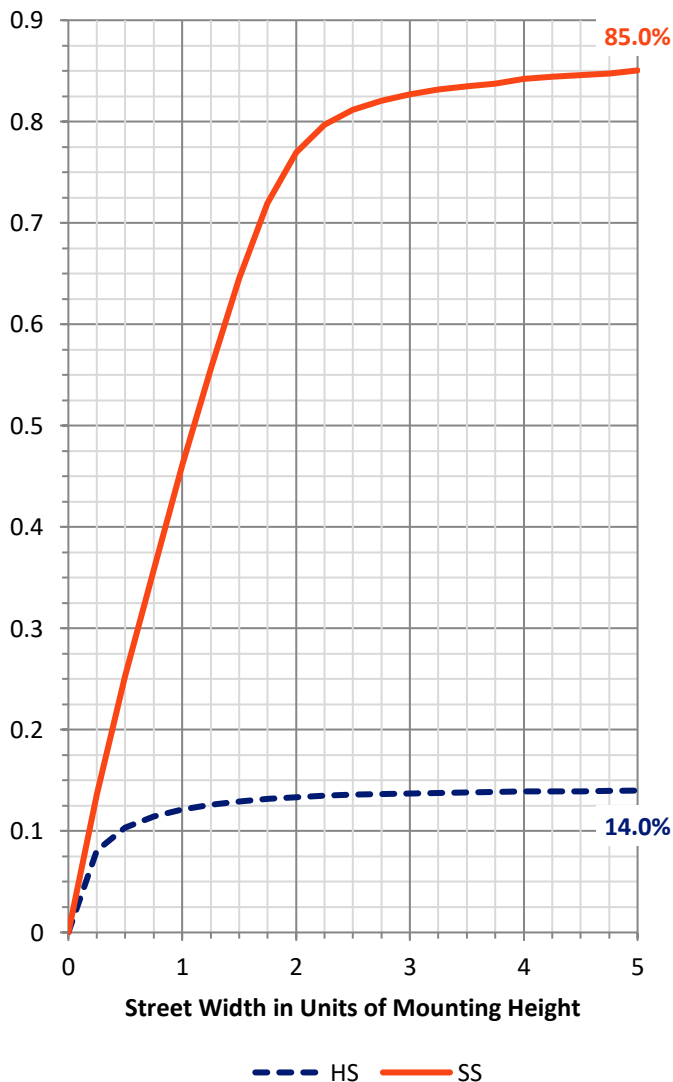
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	306.0	0.0	306.0
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	1859.2	0.0	1859.2
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	2165.2	0.0	2165.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.0	2.2
10°-20°	100.2	4.6
20°-30°	125.9	5.8
30°-40°	164.6	7.6
40°-50°	246.1	11.4
50°-60°	408.7	18.9
60°-70°	619.7	28.6
70°-80°	399.0	18.4
80°-90°	52.9	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°	2165.2	100.0
0°-180°	2165.2	100.0

**Coefficient of Utilization**

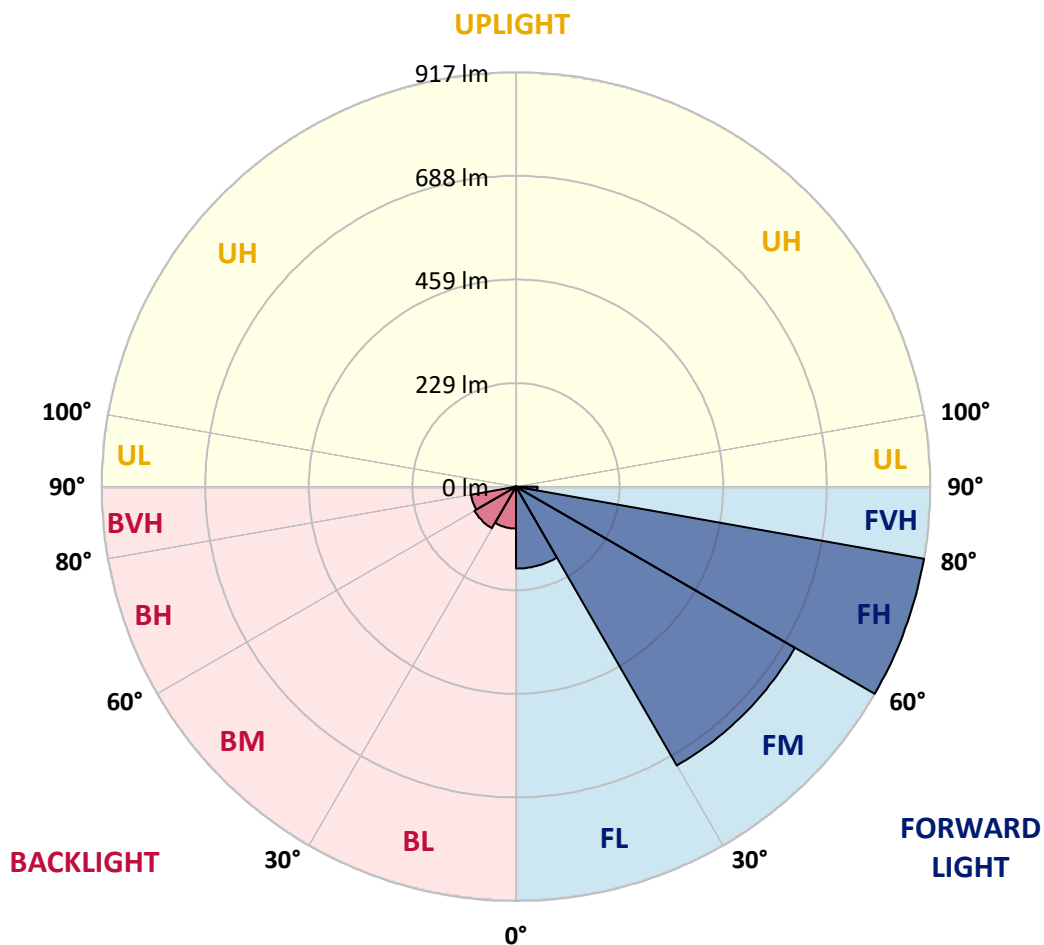


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.4	8.4			
FM (30°-60°)	713.0	32.9			
FH (60°-80°)	917.4	42.4			G1/1800
FVH (80°-90°)	47.4	2.2			G1/100
BL (0°-30°)	92.7	4.3	B0/110		
BM (30°-60°)	106.4	4.9	B0/220		
BH (60°-80°)	101.3	4.7	B0/110		G0/110
BVH (80°-90°)	5.5	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7
2.5°	569.4	574.9	576.0	581.5	579.3	580.4	588.1	589.2	582.6	588.1	582.6
5°	543.0	546.3	541.9	547.4	555.1	554.0	568.3	570.5	567.2	576.0	574.9
7.5°	508.9	504.5	508.9	513.3	519.9	532.0	534.2	536.4	547.4	558.4	554.0
10°	448.5	458.4	459.5	474.9	485.8	497.9	506.7	510.0	521.0	543.0	544.1
12.5°	427.6	421.0	430.9	436.4	449.6	469.4	481.5	494.6	502.3	522.1	523.2
15°	393.5	394.6	396.8	411.1	422.1	444.1	467.2	472.7	492.4	514.4	521.0
17.5°	368.2	369.3	377.0	379.2	399.0	418.8	448.5	463.9	476.0	505.6	507.8
20°	355.0	359.4	361.6	360.5	369.3	394.6	427.6	440.8	456.2	496.8	503.4
22.5°	355.0	355.0	359.4	355.0	359.4	371.5	404.5	421.0	447.4	492.4	488.0
25°	357.2	359.4	353.9	353.9	355.0	362.7	382.5	405.6	436.4	494.6	481.5
27.5°	369.3	366.0	363.8	358.3	351.7	353.9	369.3	388.0	417.7	497.9	469.4
30°	381.4	378.1	371.5	368.2	356.1	355.0	364.9	384.7	411.1	501.2	466.1
32.5°	391.3	395.7	393.5	390.2	374.8	357.2	367.1	383.6	413.3	513.3	461.7
35°	411.1	410.0	418.8	410.0	400.1	375.9	380.3	393.5	415.5	525.4	473.8
37.5°	445.2	439.7	443.0	438.6	424.3	401.2	403.4	411.1	432.0	547.4	483.7
40°	470.5	468.3	467.2	478.2	459.5	432.0	428.7	435.3	449.6	569.4	499.0
42.5°	489.1	492.4	496.8	502.3	496.8	472.7	463.9	468.3	483.7	602.4	532.0
45°	519.9	513.3	529.8	551.8	546.3	523.2	508.9	516.6	530.9	641.9	578.2
47.5°	540.8	540.8	565.0	582.6	596.9	582.6	562.8	570.5	571.6	689.2	639.7
50°	563.9	565.0	603.5	629.8	655.1	658.4	629.8	634.2	641.9	751.9	721.1
52.5°	626.5	629.8	651.8	687.0	715.6	742.0	734.3	715.6	709.0	816.7	793.6
55°	724.4	713.4	734.3	753.0	784.8	826.6	882.7	843.1	813.4	886.0	870.6
57.5°	781.5	793.6	825.5	849.7	890.4	927.7	1003.6	988.2	945.3	969.5	979.4
60°	796.9	811.2	866.2	920.0	1020.1	1082.7	1138.8	1100.3	1036.6	1058.5	1100.3
62.5°	672.7	694.7	779.3	907.9	1106.9	1316.8	1372.9	1290.5	1190.4	1195.9	1258.6
65°	447.4	468.3	533.1	693.6	1024.5	1526.8	1732.3	1581.8	1436.7	1418.0	1471.8
67.5°	252.8	251.7	269.3	388.0	705.7	1500.4	2219.3	2107.2	1800.5	1641.1	1627.9
70°	191.3	191.3	191.3	228.6	330.9	1082.7	2474.3	2558.9	2167.6	1835.7	1668.6
72.5°	149.5	145.1	150.6	184.7	237.4	523.2	2176.4	2704.0	2345.7	1771.9	1334.4
75°	107.7	107.7	115.4	150.6	219.8	257.2	1481.7	2086.3	1928.0	1339.9	778.2
77.5°	78.0	76.9	87.9	120.9	202.3	229.7	743.1	1253.1	1086.0	639.7	203.4
80°	49.5	50.6	59.4	89.0	181.4	220.9	335.3	600.2	404.5	155.0	73.6
82.5°	29.7	30.8	39.6	57.2	137.4	205.6	267.1	278.1	162.7	74.7	42.9
85°	16.5	16.5	24.2	35.2	81.3	203.4	240.7	215.4	115.4	46.2	22.0
87.5°	5.5	5.5	9.9	14.3	35.2	109.9	155.0	141.8	69.2	22.0	7.7
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°	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7
2.5°	579.3	581.5	571.6	562.8	561.7	548.5	549.6	545.2	537.5	533.1	524.3
5°	569.4	562.8	548.5	533.1	518.8	503.4	490.2	481.5	474.9	469.4	470.5
7.5°	544.1	537.5	517.7	492.4	470.5	447.4	425.4	401.2	389.1	381.4	374.8
10°	527.6	513.3	488.0	443.0	410.0	373.7	339.7	308.9	274.8	260.5	258.3
12.5°	517.7	497.9	455.1	397.9	350.6	301.2	248.4	204.5	174.8	158.3	155.0
15°	503.4	483.7	415.5	360.5	293.5	228.6	169.3	135.2	119.8	115.4	116.5
17.5°	485.8	459.5	386.9	314.4	227.5	158.3	123.1	112.1	103.3	100.0	100.0
20°	474.9	430.9	345.2	257.2	166.0	118.7	102.2	95.6	92.3	91.2	92.3
22.5°	459.5	407.8	308.9	199.0	118.7	97.8	89.0	85.7	85.7	85.7	85.7
25°	440.8	388.0	264.9	142.9	94.5	82.4	80.2	79.1	79.1	81.3	81.3
27.5°	429.8	362.7	218.7	105.5	80.2	72.5	71.4	72.5	75.8	76.9	76.9
30°	411.1	339.7	174.8	87.9	70.3	67.1	67.1	67.1	69.2	70.3	70.3
32.5°	400.1	325.4	133.0	74.7	63.8	62.7	62.7	62.7	63.8	64.9	64.9
35°	400.1	311.1	103.3	68.2	60.5	58.3	58.3	58.3	59.4	59.4	59.4
37.5°	407.8	300.1	85.7	62.7	57.2	56.1	56.1	56.1	55.0	55.0	56.1
40°	414.4	290.2	78.0	59.4	56.1	53.9	53.9	52.8	52.8	52.8	53.9
42.5°	433.1	290.2	71.4	57.2	55.0	51.7	51.7	50.6	50.6	51.7	51.7
45°	470.5	289.1	67.1	56.1	52.8	50.6	48.4	48.4	49.5	50.6	50.6
47.5°	521.0	291.3	64.9	55.0	50.6	48.4	46.2	46.2	47.3	50.6	50.6
50°	571.6	305.6	63.8	52.8	49.5	46.2	45.1	45.1	47.3	49.5	49.5
52.5°	644.1	334.2	64.9	52.8	49.5	45.1	44.0	44.0	45.1	47.3	47.3
55°	713.4	377.0	67.1	52.8	48.4	45.1	42.9	41.8	42.9	44.0	45.1
57.5°	812.3	440.8	68.2	51.7	47.3	45.1	41.8	39.6	40.7	41.8	41.8
60°	936.5	536.4	73.6	52.8	47.3	42.9	39.6	36.3	37.4	37.4	36.3
62.5°	1108.0	693.6	82.4	55.0	47.3	40.7	36.3	34.1	33.0	33.0	33.0
65°	1292.7	807.9	85.7	58.3	50.6	39.6	33.0	29.7	29.7	29.7	29.7
67.5°	1418.0	857.4	78.0	59.4	56.1	38.5	30.8	27.5	26.4	25.3	25.3
70°	1319.0	709.0	68.2	56.1	57.2	37.4	28.6	25.3	23.1	23.1	22.0
72.5°	977.2	415.5	59.4	52.8	51.7	35.2	27.5	24.2	22.0	19.8	19.8
75°	474.9	153.9	52.8	47.3	42.9	29.7	25.3	22.0	19.8	17.6	17.6
77.5°	120.9	67.1	40.7	39.6	33.0	24.2	22.0	19.8	17.6	15.4	14.3
80°	61.6	47.3	30.8	29.7	23.1	19.8	17.6	15.4	13.2	12.1	12.1
82.5°	38.5	30.8	24.2	20.9	15.4	14.3	13.2	11.0	9.9	7.7	7.7
85°	19.8	17.6	15.4	12.1	8.8	7.7	6.6	5.5	5.5	3.3	3.3
87.5°	8.8	7.7	6.6	4.4	2.2	2.2	1.1	1.1	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)