

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: P565277

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T3R**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565277
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-T3R
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T3R distribution lens
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

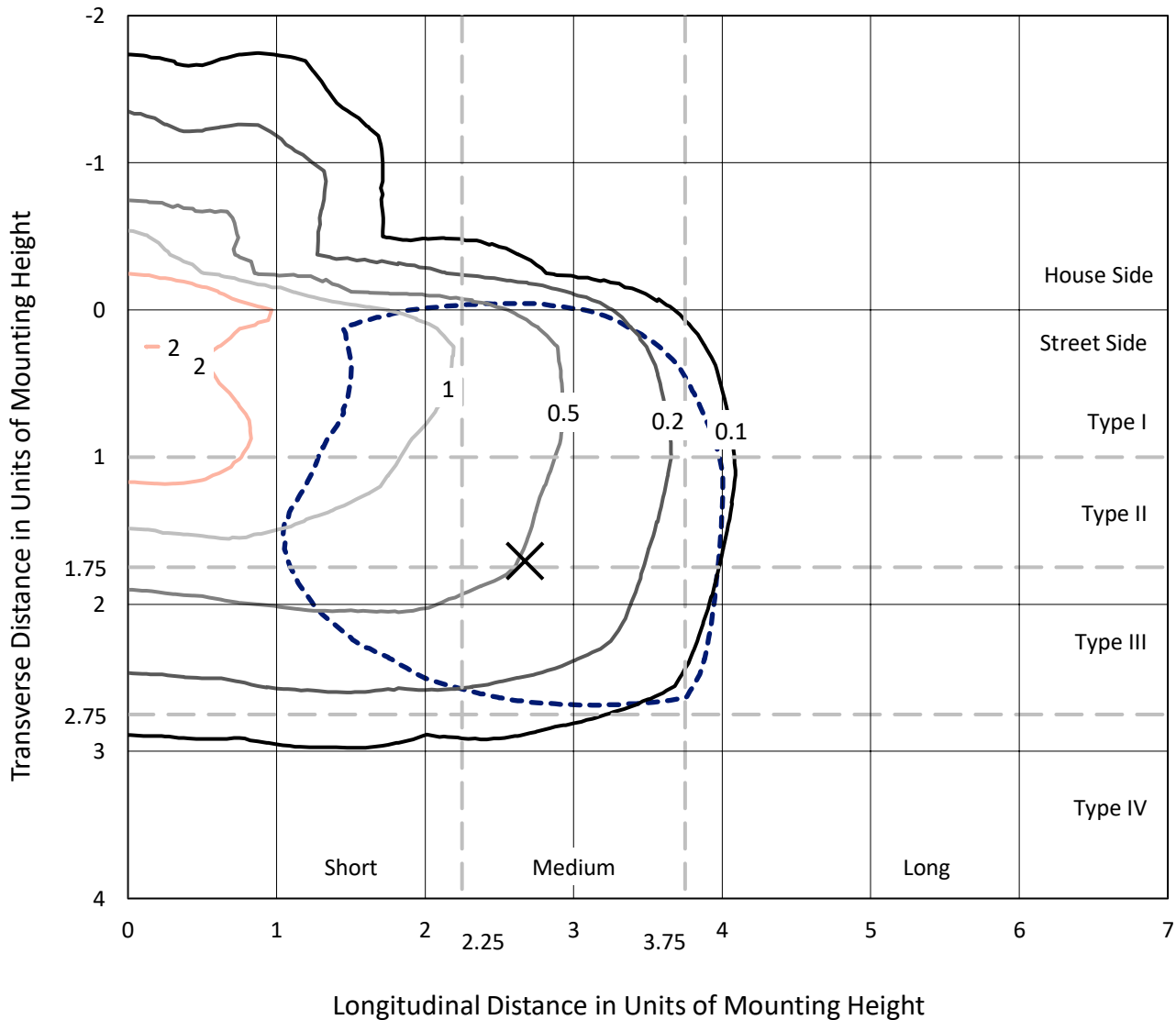
Lumens per Lamp: N/A
Luminaire Lumens: 2155.9 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P565277
 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

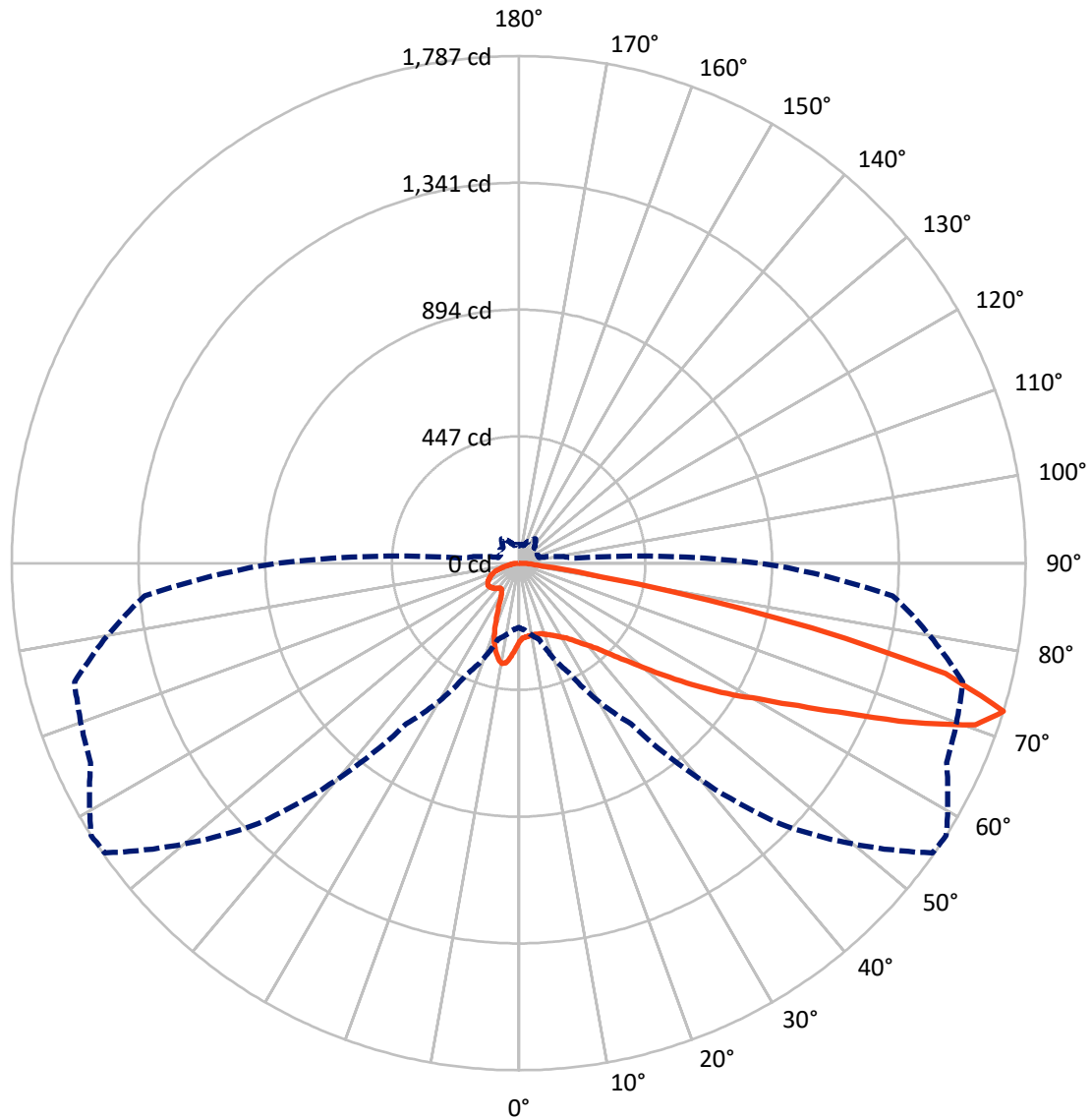
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P565277
CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T3R

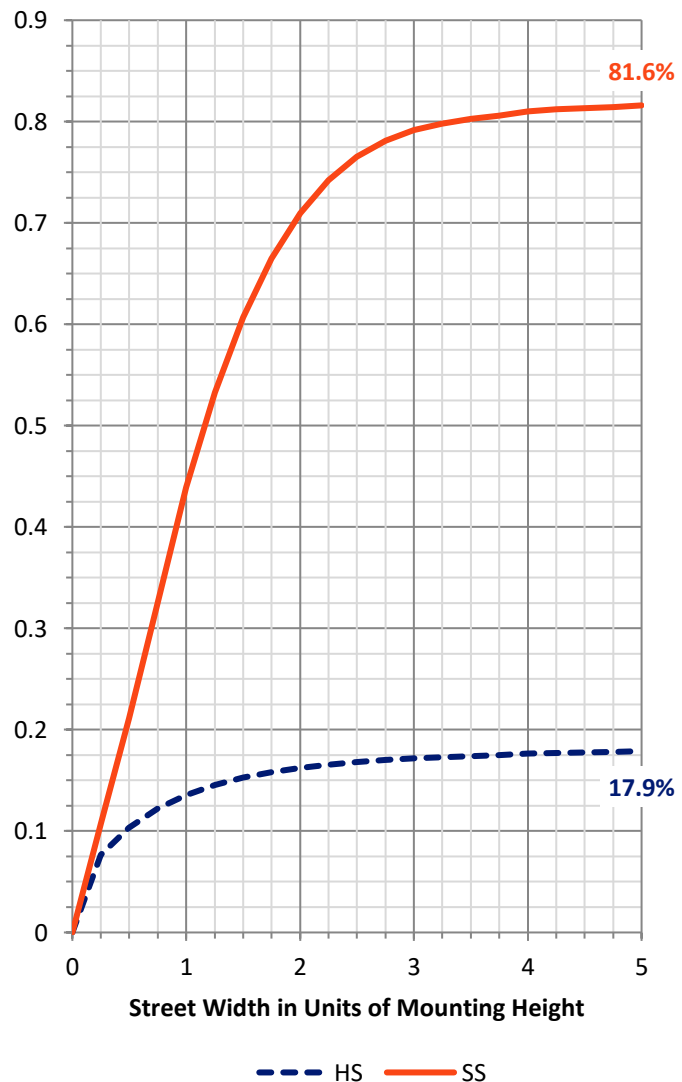
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	390.2	0.0	390.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	1765.7	0.0	1765.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	2155.9	0.0	2155.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	1.3
10°-20°	76.8	3.6
20°-30°	127.9	5.9
30°-40°	199.5	9.3
40°-50°	299.0	13.9
50°-60°	409.4	19.0
60°-70°	567.1	26.3
70°-80°	415.6	19.3
80°-90°	33.2	1.5
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°	2155.9	100.0
0°-180°	2155.9	100.0

Coefficient of Utilization

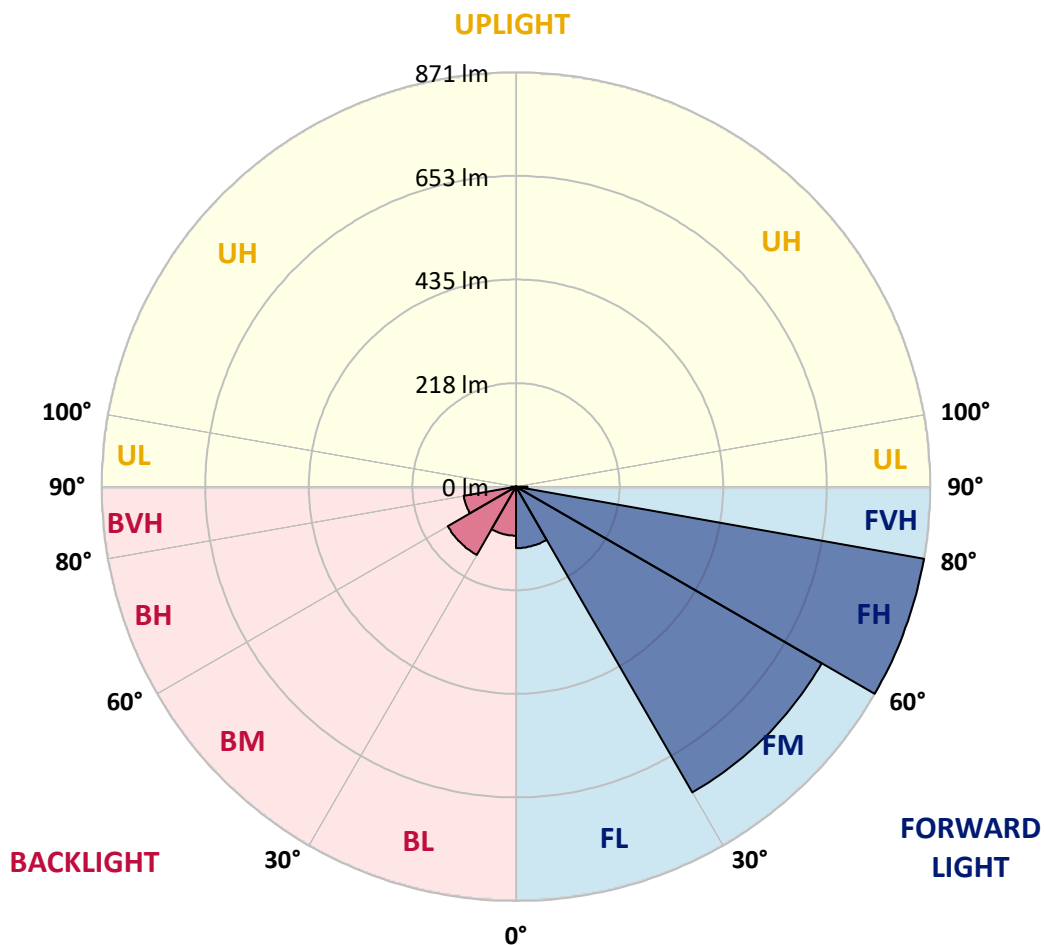


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.1	6.0			
FM (30°-60°)	742.0	34.4			
FH (60°-80°)	870.9	40.4			G1/1800
FVH (80°-90°)	23.6	1.1			G1/100
BL (0°-30°)	103.1	4.8	B0/110		
BM (30°-60°)	165.8	7.7	B0/220		
BH (60°-80°)	111.8	5.2	B1/500		G1/500
BVH (80°-90°)	9.6	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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 CATALOG NUMBER: IFLD-S-SA2A-AMB-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2
2.5°	254.1	255.2	255.2	257.3	259.4	261.5	264.6	264.6	267.7	273.0	278.2
5°	238.5	240.6	241.6	245.8	248.9	254.1	260.4	261.5	265.7	273.0	284.5
7.5°	220.7	221.7	223.8	229.0	236.4	246.8	258.3	259.4	268.8	280.3	294.9
10°	209.2	210.2	210.2	214.4	223.8	238.5	255.2	258.3	270.9	287.6	306.4
12.5°	215.4	215.4	213.4	212.3	217.5	231.1	252.1	257.3	274.0	296.0	319.0
15°	231.1	229.0	225.9	219.6	219.6	229.0	253.1	259.4	281.3	305.4	331.5
17.5°	257.3	255.2	248.9	237.4	228.0	232.2	255.2	261.5	287.6	314.8	345.1
20°	306.4	302.3	289.7	266.7	246.8	240.6	260.4	267.7	293.9	321.1	352.5
22.5°	358.7	353.5	338.9	310.6	278.2	256.2	265.7	274.0	299.1	325.3	357.7
25°	416.3	411.0	395.3	360.8	316.9	277.2	276.1	282.4	306.4	329.4	364.0
27.5°	486.3	480.1	462.3	417.3	358.7	306.4	287.6	291.8	314.8	335.7	373.4
30°	548.0	542.8	524.0	474.8	404.8	335.7	301.2	303.3	324.2	346.2	385.9
32.5°	606.6	603.5	580.5	532.3	458.1	368.1	317.9	315.9	336.8	354.6	395.3
35°	662.0	662.0	639.0	588.8	513.5	405.8	338.9	334.7	347.2	358.7	403.7
37.5°	704.9	707.0	693.4	649.5	569.0	451.8	368.1	356.6	356.6	369.2	423.6
40°	714.3	719.6	733.2	717.5	633.8	503.1	397.4	381.7	375.5	391.2	453.9
42.5°	708.1	720.6	764.5	782.3	711.2	558.5	434.0	415.2	404.8	418.3	496.8
45°	719.6	732.1	784.4	828.3	783.4	622.3	480.1	460.2	440.3	458.1	550.1
47.5°	724.8	735.2	782.3	852.4	835.7	689.2	537.6	515.6	490.5	508.3	610.8
50°	726.9	737.3	786.5	846.1	855.5	746.8	604.5	584.6	556.4	572.1	689.2
52.5°	722.7	734.2	784.4	831.5	838.8	783.4	686.1	667.3	639.0	656.8	775.0
55°	586.7	602.4	755.1	810.6	824.1	803.2	778.1	765.6	745.7	769.8	876.4
57.5°	545.9	556.4	642.2	794.9	833.6	831.5	869.1	868.1	857.6	897.4	986.3
60°	527.1	537.6	610.8	781.3	868.1	903.6	967.4	970.6	975.8	1051.1	1119.1
62.5°	492.6	503.1	586.7	760.3	918.3	1021.8	1102.3	1106.5	1119.1	1217.4	1263.4
65°	436.1	447.6	537.6	726.9	973.7	1162.0	1282.2	1274.9	1287.5	1394.1	1391.0
67.5°	389.1	399.5	474.8	673.5	985.2	1322.0	1491.4	1498.7	1457.9	1557.3	1501.9
70°	317.9	327.4	390.1	584.6	911.0	1428.7	1714.2	1707.9	1623.2	1673.4	1524.9
72.5°	227.0	236.4	277.2	431.9	691.3	1299.0	1781.1	1787.4	1665.0	1621.1	1324.1
75°	159.0	169.4	193.5	280.3	381.7	911.0	1548.9	1554.2	1386.8	1254.0	853.4
77.5°	92.0	97.3	119.2	170.5	173.6	407.9	945.5	935.0	798.0	624.4	316.9
80°	46.0	56.5	75.3	85.8	80.5	131.8	292.8	297.0	256.2	217.5	93.1
82.5°	26.1	28.2	53.3	48.1	38.7	52.3	79.5	80.5	96.2	91.0	43.9
85°	16.7	20.9	36.6	28.2	17.8	22.0	41.8	43.9	51.2	45.0	19.9
87.5°	5.2	7.3	17.8	13.6	6.3	7.3	16.7	16.7	19.9	19.9	5.2
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°	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2	277.2
2.5°	283.4	287.6	292.8	297.0	304.3	307.5	309.6	313.8	313.8	313.8	311.7
5°	291.8	299.1	311.7	324.2	330.5	335.7	336.8	335.7	331.5	330.5	329.4
7.5°	304.3	315.9	337.8	351.4	354.6	346.2	332.6	321.1	312.7	307.5	309.6
10°	320.0	335.7	362.9	372.3	354.6	328.4	305.4	290.8	281.3	271.9	274.0
12.5°	335.7	357.7	387.0	374.4	335.7	301.2	274.0	257.3	244.7	238.5	240.6
15°	353.5	380.7	401.6	359.8	308.5	268.8	239.5	213.4	199.8	194.5	196.6
17.5°	371.3	401.6	406.8	336.8	278.2	230.1	191.4	177.8	174.7	174.7	174.7
20°	383.8	415.2	394.3	308.5	236.4	179.9	161.1	159.0	165.2	170.5	170.5
22.5°	395.3	423.6	371.3	275.1	186.2	147.5	144.3	152.7	160.0	166.3	167.3
25°	403.7	428.8	347.2	235.3	148.5	129.7	136.0	145.4	153.7	160.0	161.1
27.5°	416.3	430.9	321.1	184.1	122.4	121.3	127.6	136.0	143.3	149.6	150.6
30°	430.9	434.0	296.0	146.4	113.0	114.0	118.2	124.5	131.8	137.0	138.1
32.5°	440.3	428.8	259.4	120.3	109.8	109.8	110.9	115.0	120.3	123.4	124.5
35°	452.9	424.6	215.4	108.8	109.8	109.8	108.8	108.8	103.5	105.6	105.6
37.5°	470.6	417.3	170.5	104.6	113.0	114.0	111.9	98.3	94.1	92.0	92.0
40°	494.7	412.1	136.0	103.5	118.2	121.3	107.7	95.2	87.9	81.6	81.6
42.5°	522.9	405.8	111.9	104.6	124.5	129.7	107.7	92.0	81.6	79.5	80.5
45°	548.0	395.3	98.3	104.6	130.7	136.0	111.9	87.9	81.6	80.5	83.7
47.5°	570.0	378.6	95.2	105.6	134.9	137.0	113.0	89.9	80.5	87.9	96.2
50°	599.3	352.5	92.0	106.7	138.1	139.1	115.0	89.9	80.5	97.3	108.8
52.5°	633.8	320.0	89.9	104.6	143.3	140.1	118.2	92.0	82.6	93.1	98.3
55°	679.8	284.5	87.9	102.5	143.3	134.9	120.3	98.3	81.6	83.7	86.8
57.5°	734.2	264.6	84.7	98.3	140.1	124.5	123.4	100.4	77.4	83.7	84.7
60°	807.4	265.7	82.6	95.2	134.9	117.1	123.4	100.4	75.3	78.4	79.5
62.5°	900.5	283.4	86.8	95.2	125.5	111.9	122.4	102.5	75.3	80.5	83.7
65°	985.2	303.3	94.1	94.1	116.1	103.5	121.3	100.4	73.2	77.4	77.4
67.5°	1037.5	309.6	95.2	91.0	108.8	94.1	117.1	97.3	72.2	77.4	76.3
70°	1027.0	285.5	88.9	82.6	96.2	86.8	110.9	92.0	69.0	76.3	71.1
72.5°	853.4	197.7	75.3	71.1	80.5	77.4	104.6	85.8	64.8	65.9	59.6
75°	521.9	109.8	58.6	57.5	61.7	64.8	95.2	78.4	57.5	52.3	49.2
77.5°	171.5	56.5	45.0	43.9	43.9	50.2	80.5	68.0	50.2	40.8	39.7
80°	58.6	37.7	33.5	32.4	30.3	34.5	59.6	54.4	41.8	31.4	30.3
82.5°	36.6	25.1	24.1	24.1	20.9	20.9	34.5	38.7	32.4	27.2	18.8
85°	19.9	15.7	16.7	15.7	13.6	12.6	18.8	26.1	19.9	12.6	11.5
87.5°	6.3	6.3	6.3	6.3	5.2	4.2	3.1	7.3	8.4	5.2	4.2
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)