

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: P565325

Luminaire Tested: **IFLD-S-SA2A-AMB-U-SL2**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565325
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-SL2
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL2 distribution lens
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

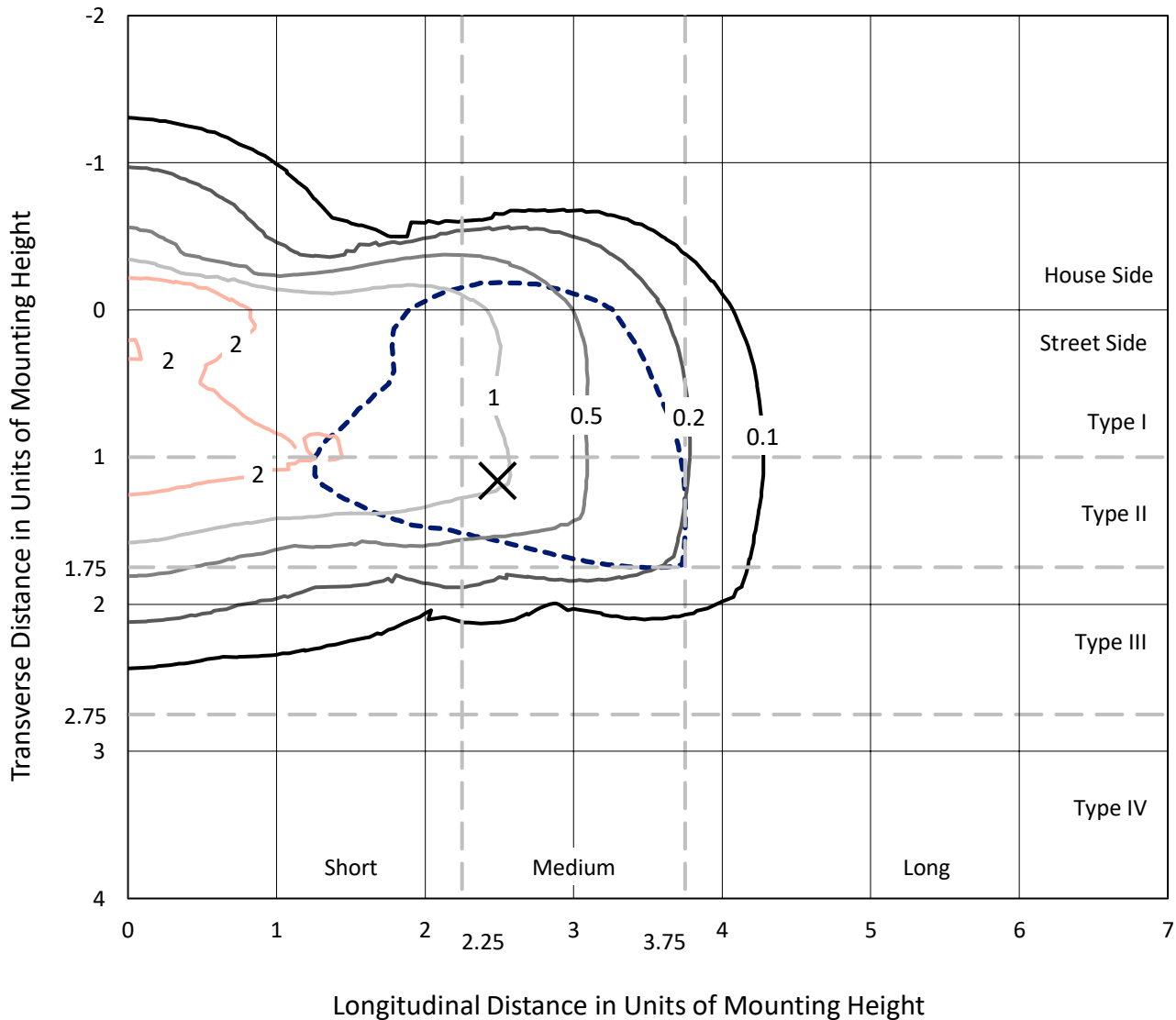
Lumens per Lamp: N/A
Luminaire Lumens: 2187.3 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

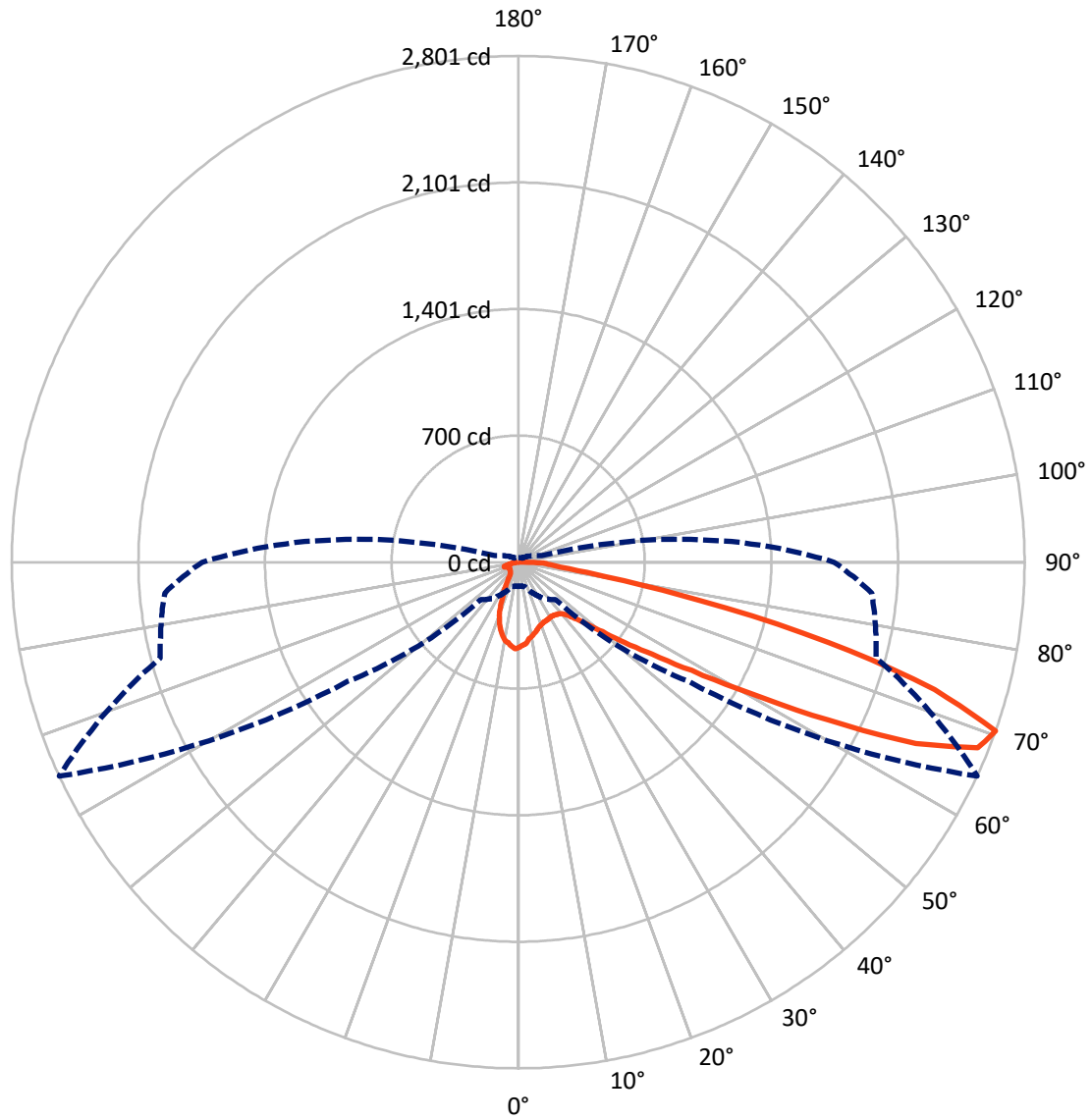
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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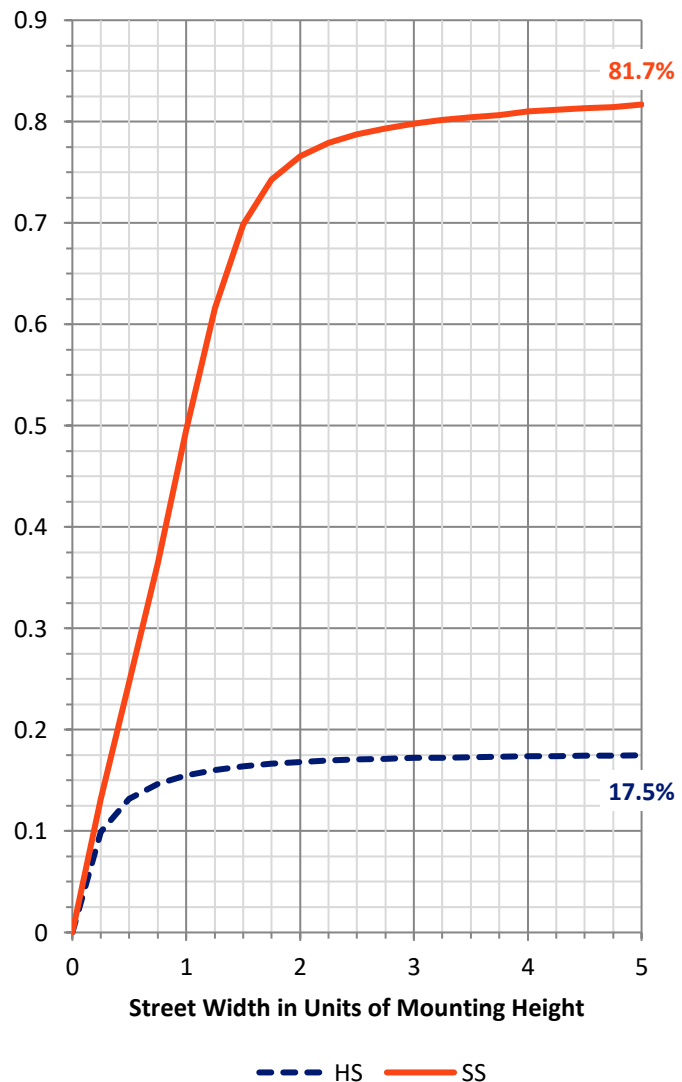
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	386.3	0.0	386.3
	% Fixture	17.7	0.0	17.7
Street Side	Lumens	1801.0	0.0	1801.0
	% Fixture	82.3	0.0	82.3
Total	Lumens	2187.3	0.0	2187.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.8
10°-20°	90.1	4.1
20°-30°	120.7	5.5
30°-40°	167.2	7.6
40°-50°	268.1	12.3
50°-60°	455.5	20.8
60°-70°	615.9	28.2
70°-80°	375.5	17.2
80°-90°	54.5	2.5
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°	2187.3	100.0
0°-180°	2187.3	100.0

Coefficient of Utilization

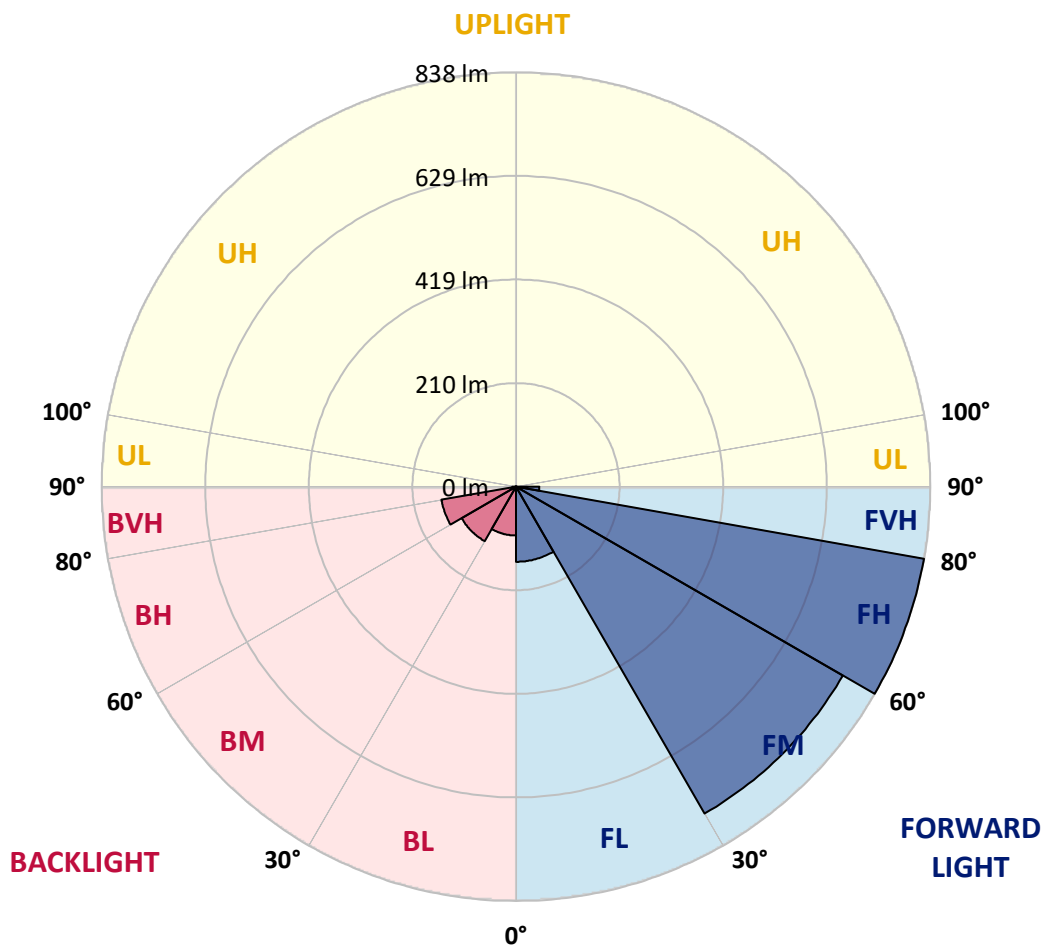


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.0	6.9			
FM (30°-60°)	763.6	34.9			
FH (60°-80°)	838.2	38.3			G1/1800
FVH (80°-90°)	47.3	2.2			G1/100
BL (0°-30°)	98.7	4.5	B0/110		
BM (30°-60°)	127.2	5.8	B0/220		
BH (60°-80°)	153.1	7.0	B1/500		G1/500
BVH (80°-90°)	7.2	0.3			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1
2.5°	433.0	435.2	437.4	438.5	450.4	453.6	461.2	461.2	473.2	474.3	476.4
5°	387.4	396.1	401.6	402.6	416.7	423.3	440.6	452.6	464.5	473.2	481.9
7.5°	361.4	361.4	363.6	369.0	378.8	391.8	411.3	429.8	460.2	477.5	480.8
10°	335.4	337.5	339.7	342.9	356.0	363.6	387.4	415.7	446.0	479.7	488.4
12.5°	314.7	312.6	316.9	325.6	334.3	345.1	367.9	403.7	437.4	477.5	490.5
15°	2.2	302.8	305.0	308.2	319.1	336.4	357.1	389.6	433.0	481.9	493.8
17.5°	298.5	294.1	295.2	298.5	310.4	326.7	344.0	375.5	430.9	489.5	500.3
20°	295.2	293.0	294.1	295.2	301.7	315.8	338.6	369.0	426.5	486.2	498.1
22.5°	299.5	302.8	299.5	298.5	301.7	308.2	331.0	361.4	418.9	488.4	486.2
25°	322.3	321.2	316.9	310.4	303.9	305.0	329.9	359.2	408.1	486.2	477.5
27.5°	336.4	342.9	336.4	328.8	312.6	308.2	325.6	356.0	405.9	485.1	476.4
30°	371.2	367.9	367.9	351.6	332.1	315.8	326.7	352.7	403.7	476.4	456.9
32.5°	405.9	404.8	405.9	394.0	364.7	333.2	334.3	352.7	398.3	475.4	452.6
35°	452.6	448.2	450.4	443.9	403.7	360.3	342.9	358.1	392.9	473.2	441.7
37.5°	480.8	489.5	498.1	501.4	456.9	399.4	366.8	363.6	392.9	469.9	433.0
40°	536.1	531.8	551.3	558.9	525.3	450.4	390.7	376.6	404.8	475.4	425.4
42.5°	580.6	587.1	605.6	614.3	592.6	509.0	438.5	400.5	426.5	492.7	442.8
45°	666.4	671.8	685.9	695.7	671.8	579.5	500.3	450.4	456.9	527.4	460.2
47.5°	743.4	761.9	756.4	783.6	774.9	672.9	565.4	512.3	510.1	582.8	498.1
50°	820.5	812.9	812.9	850.9	892.1	795.5	660.9	604.5	595.8	651.2	548.1
52.5°	833.5	833.5	830.2	870.4	980.0	970.2	796.6	738.0	703.3	752.1	633.8
55°	785.7	792.3	783.6	838.9	1009.3	1143.9	996.3	898.6	842.2	902.9	752.1
57.5°	667.4	653.3	643.6	726.0	958.3	1270.9	1345.7	1130.9	1003.9	1086.4	930.1
60°	494.9	494.9	486.2	545.9	782.5	1279.5	1649.6	1465.1	1210.1	1312.1	1145.0
62.5°	353.8	351.6	349.5	387.4	545.9	1123.3	1878.6	1926.4	1454.3	1585.6	1414.1
65°	246.4	245.3	242.0	275.7	351.6	804.2	1897.1	2418.0	1720.2	1834.1	1661.6
67.5°	184.5	181.2	186.7	231.2	264.8	486.2	1644.2	2742.5	1982.8	2009.9	1803.7
70°	134.6	132.4	138.9	187.8	243.1	294.1	1150.4	2801.1	2049.0	1963.3	1748.4
72.5°	97.7	94.4	103.1	145.4	229.0	262.6	634.9	2408.2	1880.8	1667.0	1469.5
75°	66.2	65.1	69.5	107.4	211.6	255.0	325.6	1772.3	1477.1	1158.0	942.0
77.5°	46.7	46.7	46.7	66.2	166.0	251.8	257.2	1027.8	878.0	653.3	512.3
80°	34.7	34.7	35.8	44.5	111.8	255.0	242.0	486.2	377.7	220.3	172.6
82.5°	20.6	22.8	26.0	31.5	57.5	231.2	236.6	234.4	105.3	67.3	62.9
85°	10.9	10.9	15.2	21.7	33.6	166.0	227.9	175.8	56.4	38.0	35.8
87.5°	3.3	3.3	5.4	8.7	13.0	73.8	174.7	140.0	32.6	19.5	21.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1
2.5°	479.7	476.4	479.7	473.2	464.5	455.8	459.1	456.9	454.7	453.6
5°	479.7	480.8	467.8	459.1	448.2	430.9	424.3	417.8	413.5	417.8
7.5°	482.9	471.0	449.3	434.1	411.3	390.7	376.6	362.5	351.6	350.5
10°	482.9	462.3	440.6	403.7	373.3	329.9	300.6	281.1	265.9	271.3
12.5°	485.1	460.2	414.6	363.6	316.9	263.7	222.5	197.5	185.6	186.7
15°	479.7	446.0	386.4	324.5	249.6	191.0	160.6	145.4	137.8	142.2
17.5°	479.7	433.0	352.7	262.6	186.7	138.9	121.6	119.4	118.3	118.3
20°	478.6	402.6	313.6	202.9	129.1	105.3	98.8	102.0	104.2	105.3
22.5°	458.0	380.9	258.3	145.4	96.6	86.8	86.8	90.1	94.4	96.6
25°	442.8	345.1	202.9	102.0	81.4	78.1	79.2	81.4	85.7	85.7
27.5°	428.7	315.8	154.1	82.5	73.8	73.8	74.9	77.1	80.3	79.2
30°	415.7	275.7	115.0	72.7	70.5	69.5	70.5	71.6	72.7	73.8
32.5°	402.6	240.9	87.9	69.5	68.4	67.3	67.3	66.2	67.3	66.2
35°	380.9	205.1	73.8	66.2	65.1	64.0	62.9	61.9	61.9	61.9
37.5°	370.1	172.6	69.5	64.0	62.9	61.9	59.7	59.7	59.7	58.6
40°	359.2	142.2	67.3	61.9	60.8	58.6	56.4	57.5	57.5	57.5
42.5°	358.1	118.3	65.1	60.8	58.6	55.3	54.3	55.3	55.3	54.3
45°	359.2	99.8	64.0	58.6	56.4	54.3	53.2	53.2	53.2	53.2
47.5°	378.8	87.9	61.9	57.5	55.3	53.2	51.0	49.9	49.9	51.0
50°	398.3	85.7	60.8	57.5	55.3	51.0	49.9	47.8	47.8	46.7
52.5°	439.5	84.7	59.7	56.4	53.2	48.8	46.7	44.5	43.4	44.5
55°	499.2	85.7	58.6	54.3	51.0	46.7	44.5	42.3	41.2	41.2
57.5°	634.9	86.8	57.5	53.2	48.8	43.4	41.2	39.1	39.1	38.0
60°	812.9	93.3	56.4	49.9	45.6	41.2	39.1	36.9	35.8	35.8
62.5°	1038.6	93.3	58.6	48.8	42.3	38.0	35.8	34.7	33.6	32.6
65°	1232.9	107.4	64.0	46.7	38.0	34.7	32.6	31.5	30.4	30.4
67.5°	1343.6	118.3	72.7	47.8	35.8	31.5	30.4	28.2	28.2	28.2
70°	1240.5	134.6	82.5	51.0	32.6	29.3	27.1	26.0	25.0	25.0
72.5°	1013.6	116.1	81.4	48.8	29.3	26.0	25.0	22.8	21.7	21.7
75°	653.3	96.6	69.5	41.2	27.1	22.8	21.7	19.5	18.4	18.4
77.5°	345.1	67.3	48.8	32.6	22.8	20.6	18.4	16.3	15.2	15.2
80°	125.9	41.2	33.6	22.8	18.4	16.3	14.1	11.9	10.9	11.9
82.5°	52.1	26.0	20.6	15.2	13.0	11.9	9.8	8.7	7.6	7.6
85°	30.4	18.4	13.0	9.8	7.6	7.6	5.4	4.3	3.3	3.3
87.5°	17.4	11.9	5.4	10.9	4.3	2.2	1.1	1.1	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

(END OF REPORT)