

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: P565389

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T4FT-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565389
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-T4FT-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4FT distribution lens and House Side Shield
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

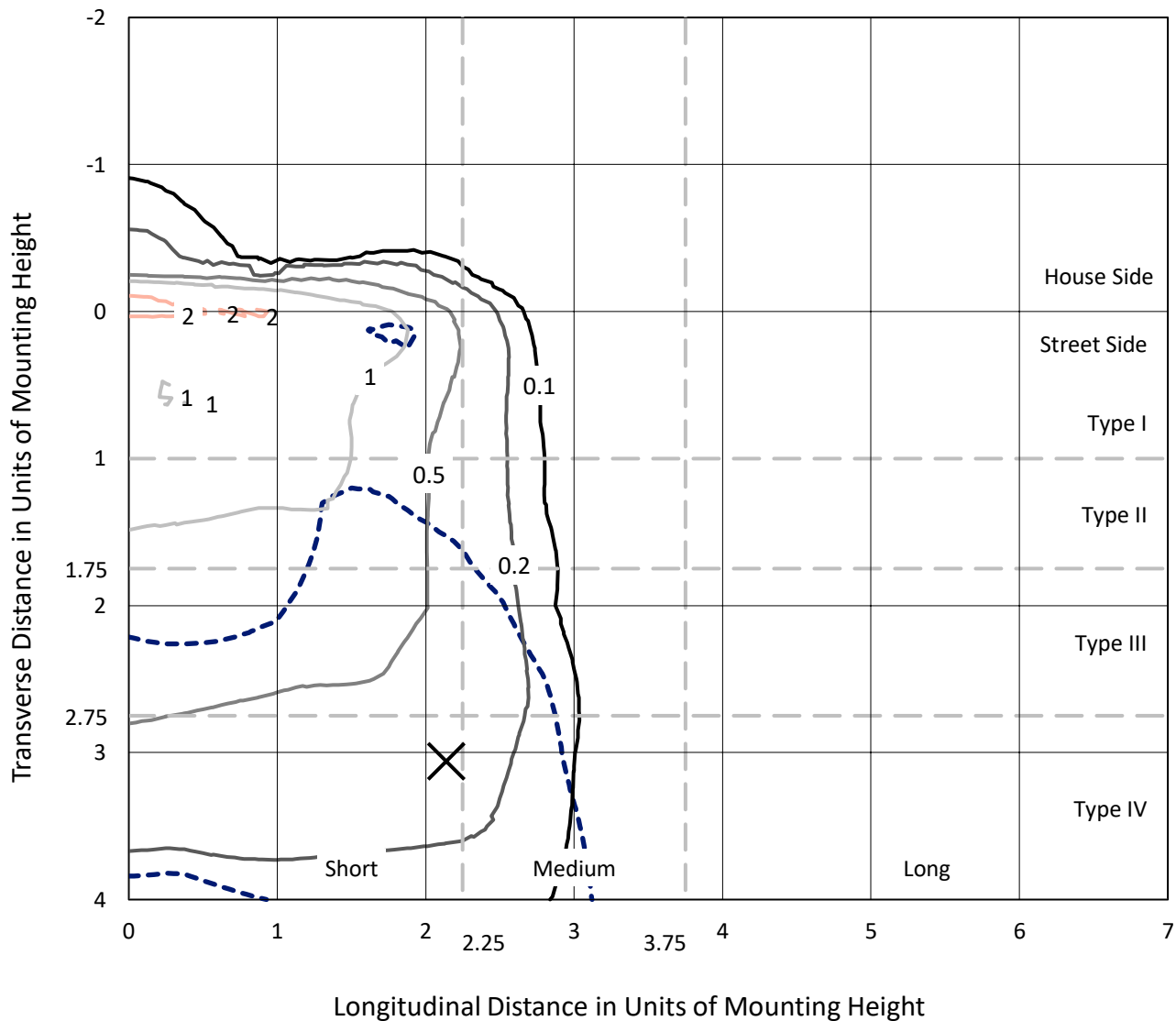
Lumens per Lamp: N/A
Luminaire Lumens: 1586.8 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

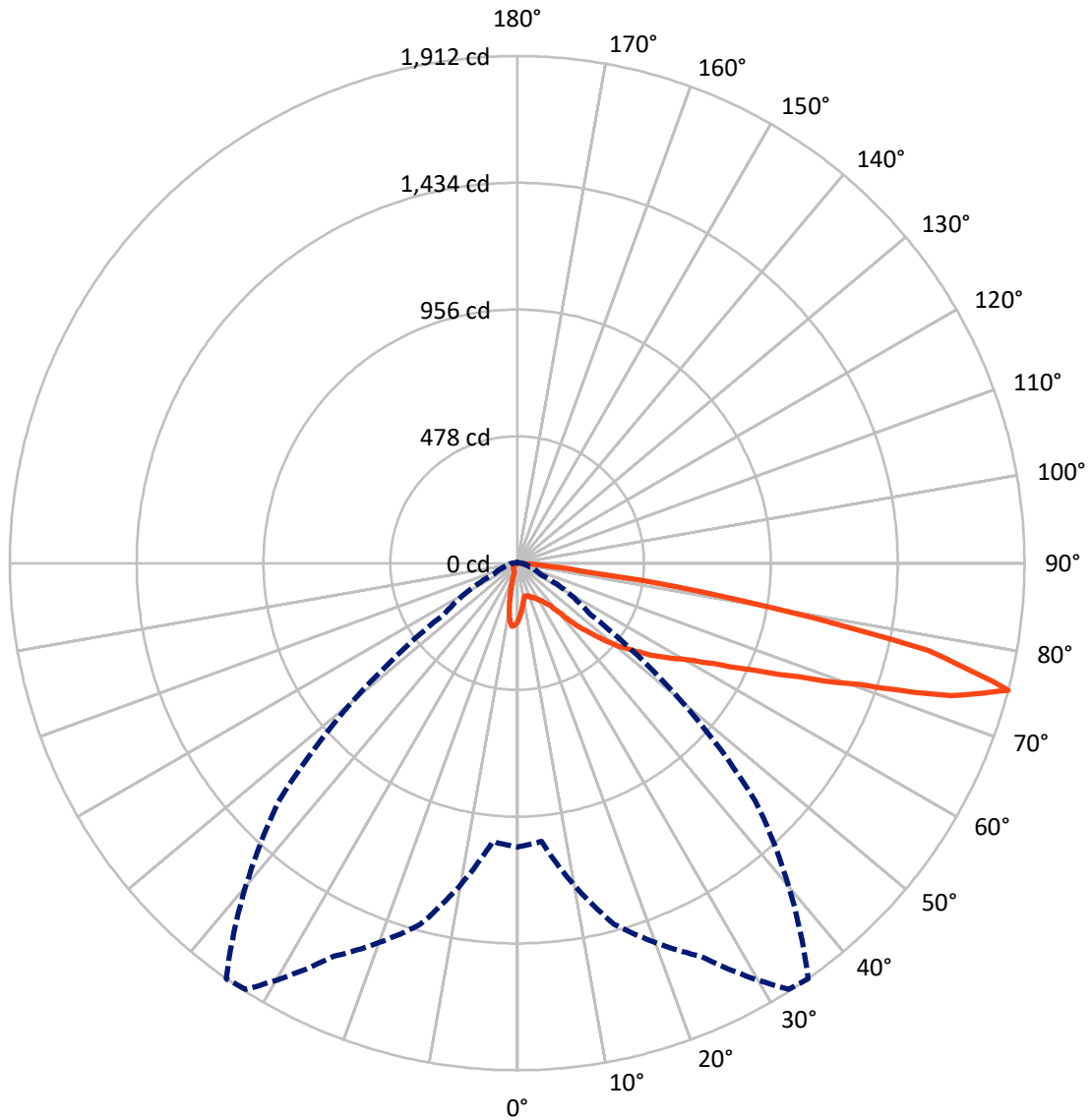
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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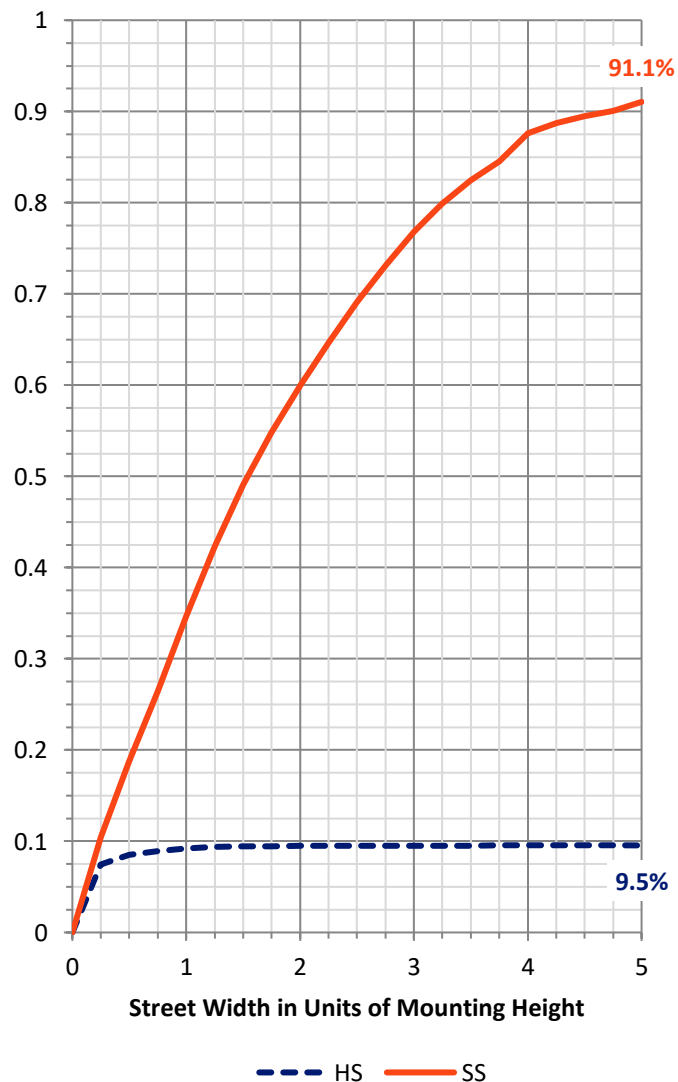
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	152.4	0.0	152.4
	% Fixture	9.6	0.0	9.6
Street Side	Lumens	1434.4	0.0	1434.4
	% Fixture	90.4	0.0	90.4
Total	Lumens	1586.8	0.0	1586.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	1.2
10°-20°	41.6	2.6
20°-30°	61.0	3.8
30°-40°	98.2	6.2
40°-50°	185.0	11.7
50°-60°	317.3	20.0
60°-70°	449.6	28.3
70°-80°	389.5	24.5
80°-90°	25.5	1.6
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°	1586.8	100.0
0°-180°	1586.8	100.0

Coefficient of Utilization



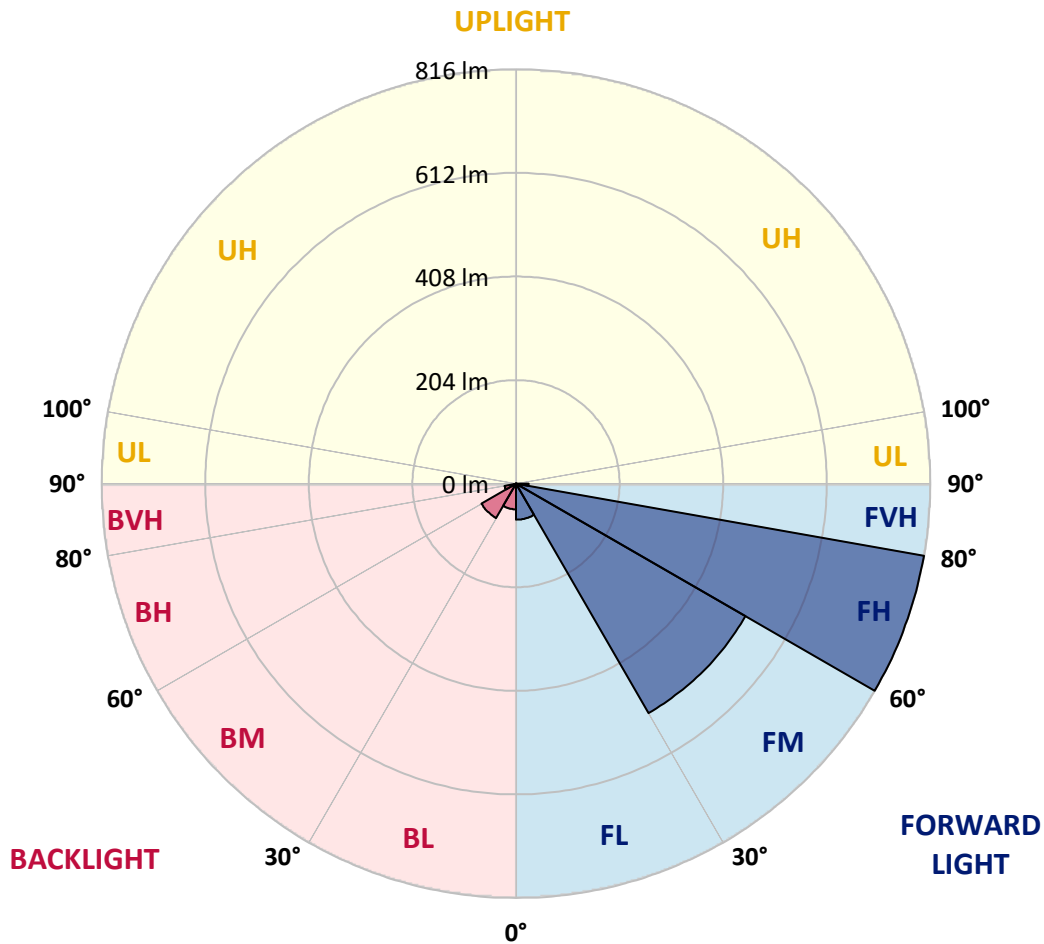
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.1	4.5			
FM (30°-60°)	522.0	32.9			
FH (60°-80°)	816.3	51.4			G1/1800
FVH (80°-90°)	25.0	1.6			G1/100
BL (0°-30°)	50.7	3.2	B0/110		
BM (30°-60°)	78.5	4.9	B0/220		
BH (60°-80°)	22.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32.5°	35°	45°	55°	65°	75°	85°
0°	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5
2.5°	192.6	196.9	197.9	197.9	197.9	200.1	201.2	207.6	211.9	213.0	220.5
5°	165.7	166.7	170.0	173.2	176.4	178.6	184.0	190.4	200.1	211.9	218.4
7.5°	143.1	140.9	144.2	147.4	152.8	156.0	167.8	178.6	189.3	202.2	219.5
10°	124.8	123.7	124.8	129.1	134.5	138.8	149.5	165.7	181.8	203.3	219.5
12.5°	121.6	119.4	117.3	120.5	125.9	126.9	140.9	159.2	177.5	197.9	223.8
15°	123.7	121.6	118.3	120.5	123.7	129.1	138.8	153.8	175.3	202.2	228.1
17.5°	130.2	130.2	123.7	122.6	128.0	129.1	143.1	157.1	174.3	201.2	234.5
20°	136.6	134.5	124.8	126.9	131.2	135.5	144.2	159.2	174.3	201.2	238.8
22.5°	147.4	143.1	130.2	131.2	135.5	137.7	150.6	164.6	178.6	202.2	245.3
25°	154.9	151.7	136.6	137.7	140.9	146.3	156.0	171.0	182.9	204.4	257.1
27.5°	161.4	160.3	146.3	143.1	147.4	149.5	164.6	180.7	191.5	214.1	267.9
30°	170.0	167.8	154.9	150.6	154.9	161.4	172.1	191.5	203.3	223.8	291.5
32.5°	181.8	178.6	164.6	159.2	166.7	168.9	186.1	209.8	219.5	236.7	312.0
35°	221.6	216.2	191.5	175.3	177.5	185.0	204.4	228.1	237.7	252.8	338.9
37.5°	288.3	284.0	247.4	214.1	202.2	205.5	227.0	251.7	262.5	277.5	383.0
40°	358.2	348.5	322.7	276.5	250.7	246.4	251.7	286.2	296.9	309.8	435.7
42.5°	418.5	402.3	369.0	342.1	320.6	307.7	291.5	321.7	339.9	339.9	487.3
45°	459.4	436.8	407.7	387.3	367.9	363.6	345.3	369.0	391.6	390.5	537.9
47.5°	477.6	470.1	447.5	442.1	430.3	422.8	412.0	438.9	447.5	437.8	599.2
50°	508.8	492.7	480.9	487.3	488.4	488.4	492.7	512.1	517.4	497.0	682.0
52.5°	533.6	530.4	519.6	534.7	544.3	545.4	576.6	600.3	586.3	568.0	770.2
55°	562.6	551.9	554.0	576.6	597.1	611.0	659.4	700.3	657.3	632.6	856.3
57.5°	590.6	570.2	600.3	622.9	650.8	672.4	765.9	793.9	689.6	690.6	942.4
60°	631.5	608.9	639.0	676.7	714.3	739.1	882.1	880.0	724.0	735.8	1024.1
62.5°	728.3	693.9	699.2	740.1	796.1	833.7	999.4	919.8	721.8	765.9	1013.4
65°	896.1	863.8	826.2	831.6	928.4	971.4	1095.1	938.1	722.9	746.6	873.5
67.5°	1091.9	1042.4	1006.9	997.2	1088.7	1144.6	1187.6	930.5	701.4	615.3	580.9
70°	1304.9	1266.2	1252.2	1275.9	1361.9	1373.8	1334.0	927.3	574.5	353.9	238.8
72.5°	1377.0	1380.2	1458.7	1568.5	1701.9	1708.3	1487.8	739.1	280.8	110.8	57.0
75°	1070.4	1053.2	1409.3	1635.2	1905.2	1911.6	1270.5	337.8	94.7	45.2	20.4
77.5°	321.7	301.2	668.1	1208.1	1583.5	1582.5	648.7	99.0	49.5	35.5	12.9
80°	62.4	63.5	120.5	420.6	849.9	838.0	178.6	44.1	36.6	29.0	7.5
82.5°	14.0	14.0	34.4	103.3	227.0	245.3	46.3	29.0	26.9	24.7	5.4
85°	2.2	2.2	8.6	32.3	50.6	46.3	15.1	16.1	20.4	18.3	3.2
87.5°	0.0	0.0	3.2	9.7	14.0	11.8	4.3	5.4	10.8	10.8	1.1
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°	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5
2.5°	223.8	224.8	224.8	230.2	230.2	232.4	233.4	234.5	233.4	233.4	232.4
5°	223.8	224.8	231.3	237.7	239.9	238.8	239.9	238.8	237.7	234.5	233.4
7.5°	224.8	230.2	237.7	239.9	241.0	233.4	222.7	214.1	201.2	194.7	195.8
10°	225.9	235.6	245.3	242.0	229.1	204.4	181.8	160.3	144.2	135.5	133.4
12.5°	235.6	241.0	248.5	236.7	203.3	164.6	129.1	101.1	83.9	72.1	75.3
15°	238.8	247.4	255.0	224.8	166.7	116.2	75.3	49.5	39.8	37.7	38.7
17.5°	247.4	256.0	252.8	200.1	130.2	68.8	39.8	34.4	33.3	33.3	33.3
20°	256.0	263.6	252.8	173.2	89.3	37.7	32.3	32.3	32.3	32.3	32.3
22.5°	263.6	274.3	241.0	138.8	48.4	31.2	30.1	31.2	31.2	31.2	30.1
25°	278.6	288.3	231.3	103.3	32.3	29.0	30.1	30.1	31.2	30.1	30.1
27.5°	294.8	307.7	211.9	65.6	28.0	28.0	29.0	30.1	30.1	30.1	30.1
30°	318.4	314.1	191.5	38.7	25.8	24.7	26.9	29.0	30.1	30.1	30.1
32.5°	339.9	332.4	165.7	26.9	23.7	23.7	24.7	28.0	30.1	30.1	30.1
35°	377.6	352.9	134.5	24.7	22.6	22.6	22.6	25.8	29.0	30.1	30.1
37.5°	415.2	375.4	99.0	22.6	21.5	21.5	21.5	23.7	26.9	30.1	29.0
40°	462.6	397.0	63.5	21.5	21.5	20.4	20.4	21.5	22.6	28.0	28.0
42.5°	515.3	409.9	38.7	21.5	20.4	19.4	19.4	19.4	21.5	23.7	23.7
45°	540.0	407.7	28.0	20.4	19.4	19.4	18.3	18.3	18.3	19.4	19.4
47.5°	579.8	402.3	22.6	19.4	18.3	18.3	17.2	16.1	17.2	15.1	14.0
50°	629.3	410.9	19.4	18.3	17.2	17.2	15.1	14.0	14.0	10.8	10.8
52.5°	671.3	409.9	16.1	16.1	17.2	17.2	14.0	12.9	10.8	8.6	8.6
55°	738.0	407.7	14.0	14.0	15.1	14.0	11.8	9.7	7.5	6.5	5.4
57.5°	800.4	408.8	12.9	11.8	12.9	11.8	9.7	7.5	6.5	4.3	4.3
60°	845.6	390.5	11.8	9.7	9.7	8.6	7.5	5.4	4.3	3.2	2.2
62.5°	828.3	358.2	9.7	7.5	7.5	7.5	5.4	4.3	3.2	1.1	1.1
65°	694.9	270.0	7.5	6.5	5.4	5.4	4.3	3.2	2.2	1.1	0.0
67.5°	433.5	142.0	6.5	4.3	4.3	4.3	3.2	2.2	1.1	0.0	0.0
70°	159.2	51.6	6.5	4.3	3.2	3.2	2.2	2.2	1.1	0.0	0.0
72.5°	38.7	17.2	5.4	4.3	3.2	3.2	2.2	1.1	1.1	0.0	0.0
75°	16.1	8.6	4.3	3.2	3.2	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	9.7	6.5	4.3	3.2	2.2	2.2	1.1	1.1	0.0	0.0	0.0
80°	6.5	5.4	3.2	3.2	2.2	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	5.4	4.3	3.2	2.2	2.2	1.1	1.1	1.1	0.0	0.0	0.0
85°	2.2	2.2	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	0.0	0.0	0.0	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)