

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: P565365

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

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565365
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-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2R distribution lens and House Side Shield
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

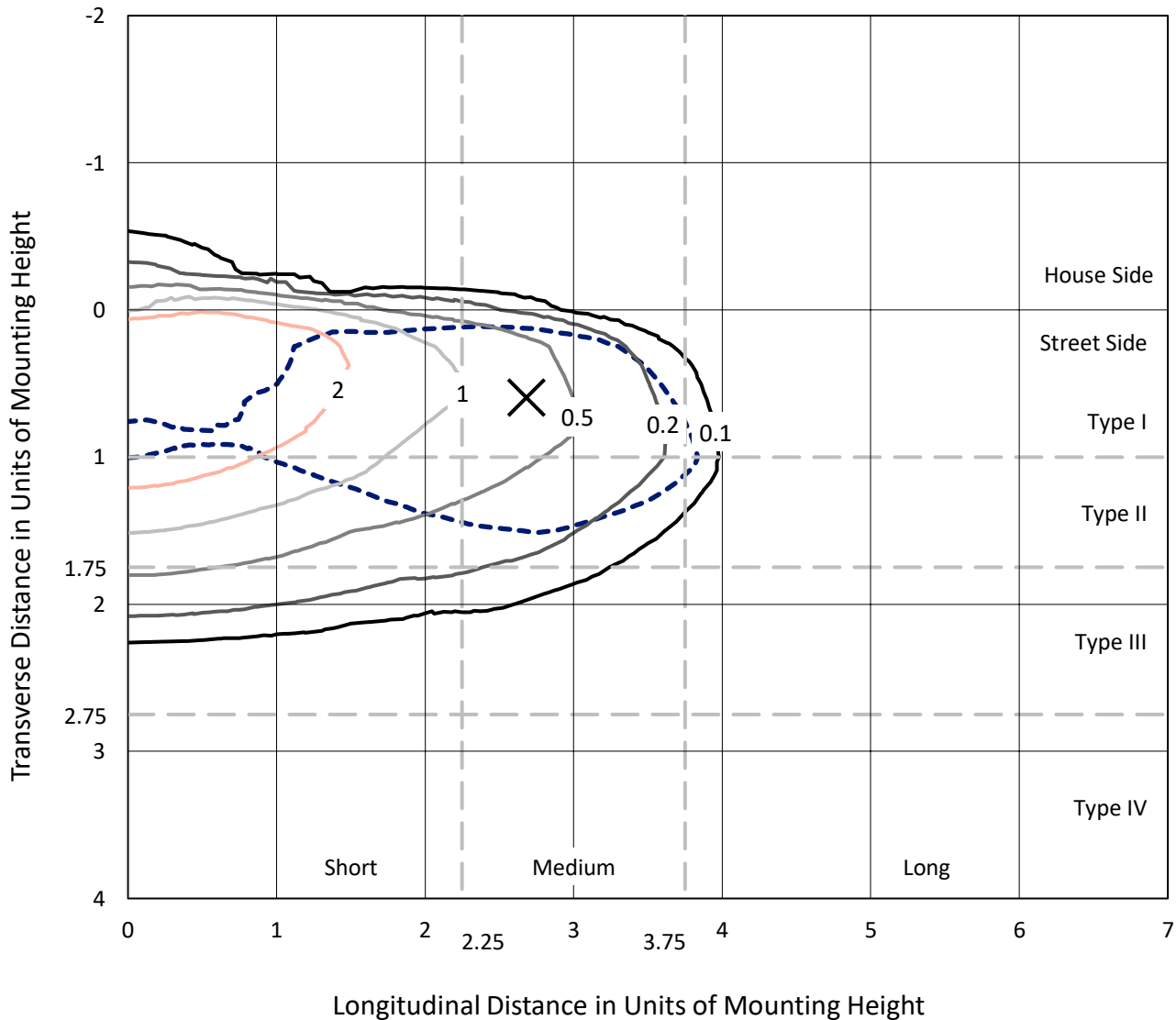
Lumens per Lamp: N/A
Luminaire Lumens: 1725.3 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

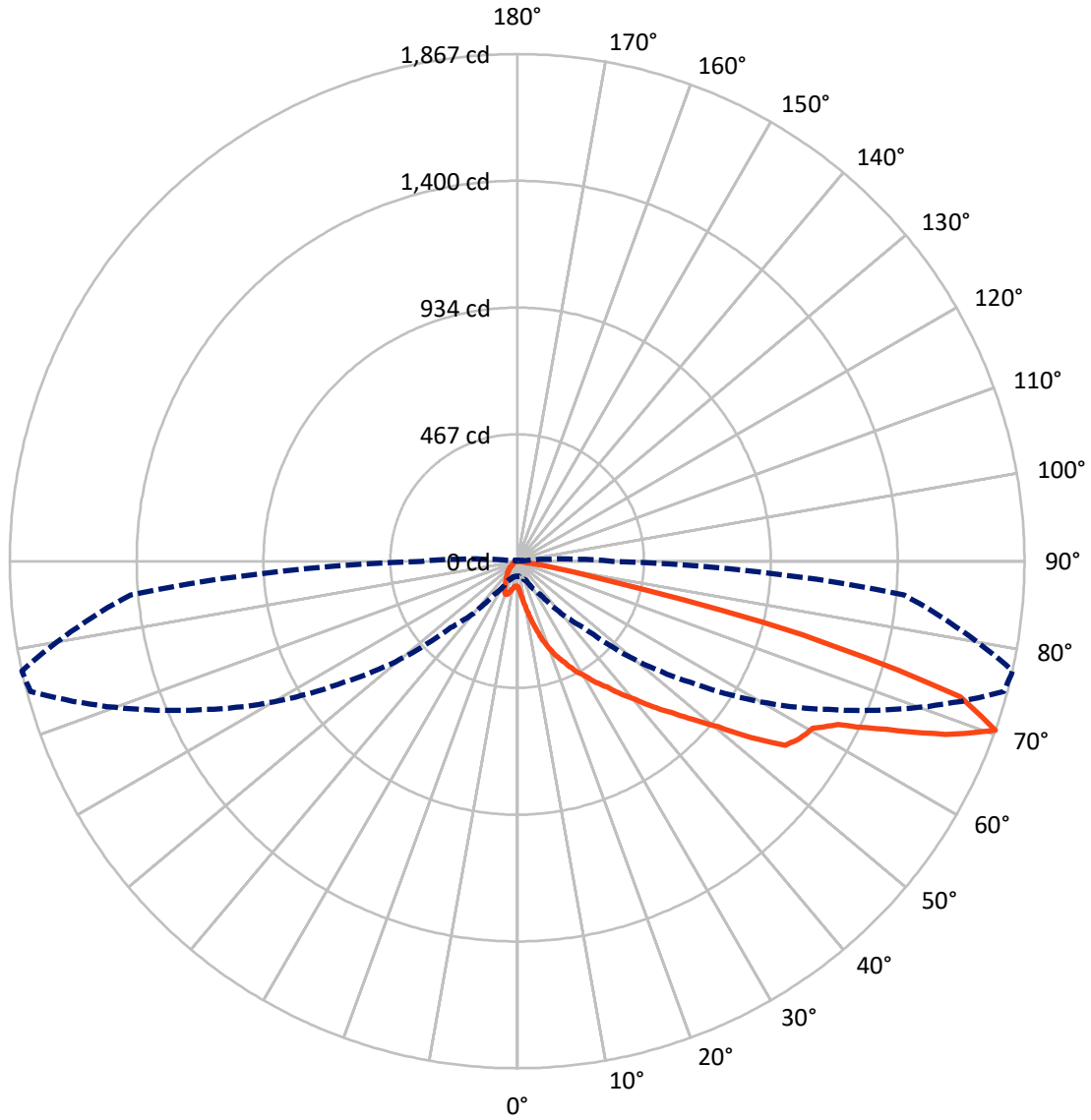
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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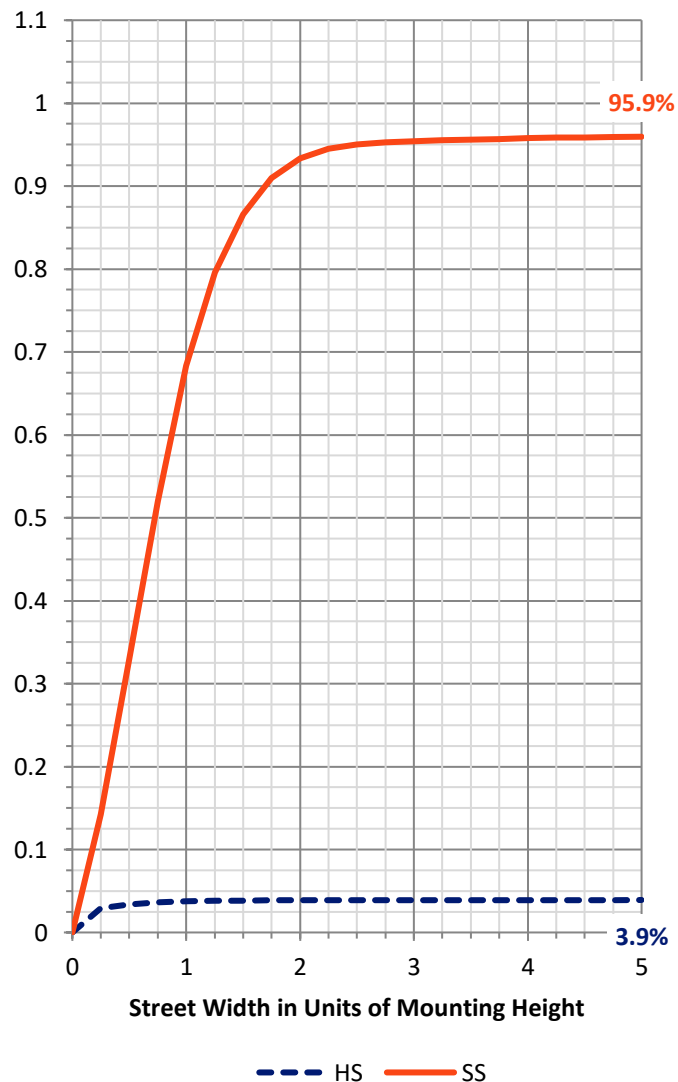
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.9	0.0	67.9
	% Fixture	3.9	0.0	3.9
Street Side	Lumens	1657.4	0.0	1657.4
	% Fixture	96.1	0.0	96.1
Total	Lumens	1725.3	0.0	1725.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.8
10°-20°	63.1	3.7
20°-30°	125.3	7.3
30°-40°	230.3	13.3
40°-50°	340.6	19.7
50°-60°	398.9	23.1
60°-70°	373.8	21.7
70°-80°	173.6	10.1
80°-90°	5.5	0.3
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°	1725.3	100.0
0°-180°	1725.3	100.0

Coefficient of Utilization

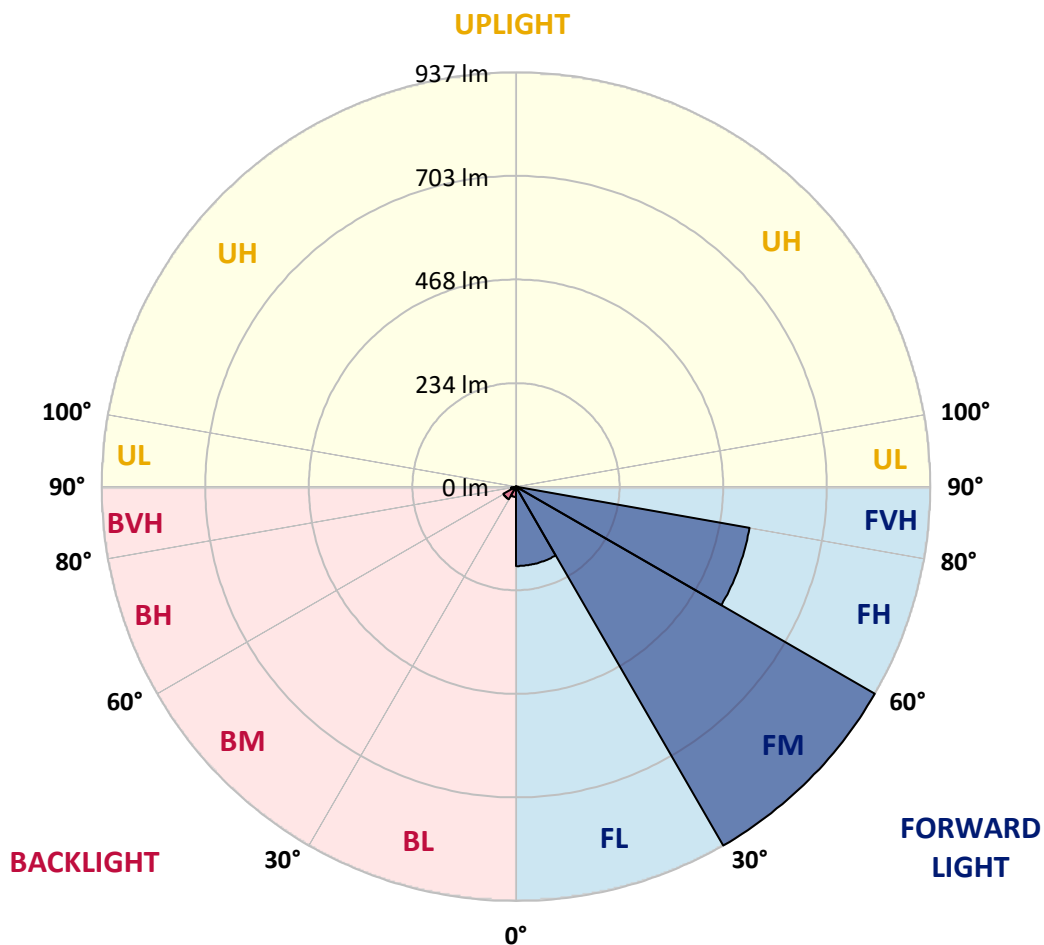


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.5	10.4			
FM (30°-60°)	936.8	54.3			
FH (60°-80°)	536.1	31.1			G0/660
FVH (80°-90°)	5.0	0.3			G0/10
BL (0°-30°)	23.2	1.3	B0/110		
BM (30°-60°)	32.9	1.9	B0/220		
BH (60°-80°)	11.2	0.7	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-G0
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	141.9	135.6	134.6	131.4	128.3	120.9	114.6	106.2	99.9	97.8	96.7
5°	248.1	241.8	234.4	221.8	210.3	182.9	163.0	138.8	117.7	114.6	105.1
7.5°	323.8	316.5	314.3	301.7	300.7	275.5	234.4	188.2	147.2	140.9	117.7
10°	370.1	366.9	366.9	361.7	356.4	345.9	313.3	257.6	184.0	172.4	138.8
12.5°	410.0	403.7	410.0	410.0	417.4	395.3	365.9	319.6	230.2	210.3	160.9
15°	435.3	433.2	441.6	451.0	457.3	446.8	414.2	368.0	288.1	259.7	192.4
17.5°	426.8	434.2	446.8	467.8	491.0	492.0	469.9	409.0	337.5	304.9	218.7
20°	417.4	416.3	440.5	457.3	492.0	521.5	512.0	456.3	376.4	348.0	253.4
22.5°	419.5	422.6	445.8	457.3	492.0	533.0	542.5	494.1	409.0	383.7	284.9
25°	471.0	467.8	473.1	482.6	504.6	539.3	563.5	533.0	444.7	417.4	323.8
27.5°	559.3	558.3	548.8	526.7	528.8	558.3	575.1	566.7	482.6	458.4	355.4
30°	719.1	703.3	679.2	621.3	574.0	580.3	590.9	584.5	519.4	488.9	387.9
32.5°	800.1	793.8	787.5	740.1	638.2	609.8	610.8	595.1	557.2	532.0	415.3
35°	885.2	881.0	845.3	819.0	737.0	664.4	650.8	616.1	606.6	568.8	443.7
37.5°	927.3	936.7	917.8	873.7	821.1	752.8	692.8	645.5	646.6	621.3	475.2
40°	966.2	965.1	933.6	914.7	867.4	822.1	753.8	692.8	686.5	669.7	509.9
42.5°	968.3	974.6	954.6	931.5	909.4	878.9	834.8	734.9	745.4	731.7	547.7
45°	923.1	919.9	927.3	933.6	934.6	911.5	924.1	807.4	810.6	795.9	600.3
47.5°	874.7	856.8	865.2	903.1	930.4	929.4	983.0	883.1	876.8	869.5	652.9
50°	781.1	786.4	792.7	837.9	914.7	948.3	1036.6	949.4	955.7	958.8	734.9
52.5°	681.3	686.5	700.2	762.2	860.0	949.4	1079.7	1064.0	1076.6	1078.7	829.5
55°	636.1	631.9	634.0	676.0	775.9	942.0	1085.0	1140.7	1204.8	1197.5	894.7
57.5°	579.3	578.2	587.7	632.9	710.7	891.5	1103.9	1181.7	1236.4	1229.0	918.9
60°	481.5	486.8	512.0	573.0	675.0	824.2	1085.0	1175.4	1250.0	1250.0	962.0
62.5°	353.2	360.6	395.3	476.3	598.2	738.0	1035.6	1171.2	1317.3	1324.7	1064.0
65°	199.8	201.9	237.6	324.9	472.1	642.4	989.3	1243.7	1463.5	1492.9	1189.1
67.5°	92.5	90.4	113.5	178.7	305.9	507.8	916.8	1305.8	1675.8	1701.1	1377.3
70°	55.7	55.7	61.0	78.9	153.5	345.9	776.9	1295.2	1854.6	1867.2	1428.8
72.5°	44.2	45.2	47.3	50.5	71.5	178.7	556.2	1124.9	1787.3	1704.2	1185.9
75°	31.5	33.6	38.9	41.0	47.3	84.1	240.8	667.6	1210.1	1085.0	637.1
77.5°	25.2	25.2	27.3	31.5	35.7	56.8	58.9	222.9	391.1	321.7	120.9
80°	15.8	15.8	22.1	23.1	29.4	36.8	20.0	47.3	52.6	44.2	22.1
82.5°	8.4	9.5	11.6	17.9	24.2	16.8	8.4	15.8	16.8	16.8	9.5
85°	0.0	1.1	6.3	11.6	8.4	4.2	5.3	6.3	6.3	6.3	4.2
87.5°	0.0	0.0	3.2	2.1	2.1	1.1	1.1	2.1	2.1	2.1	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°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	94.6	93.6	90.4	89.4	86.2	84.1	84.1	83.1	81.0	81.0	81.0
5°	99.9	96.7	91.5	86.2	83.1	81.0	79.9	76.7	74.6	74.6	74.6
7.5°	109.3	103.0	95.7	88.3	83.1	76.7	70.4	64.1	59.9	56.8	56.8
10°	122.0	112.5	99.9	91.5	78.9	64.1	51.5	42.1	38.9	36.8	36.8
12.5°	137.7	124.1	107.2	91.5	65.2	45.2	35.7	31.5	30.5	29.4	29.4
15°	156.6	137.7	114.6	83.1	47.3	34.7	29.4	28.4	27.3	26.3	26.3
17.5°	178.7	153.5	118.8	67.3	35.7	29.4	27.3	25.2	24.2	24.2	24.2
20°	198.7	169.3	115.6	48.4	29.4	26.3	24.2	22.1	21.0	21.0	21.0
22.5°	221.8	179.8	103.0	35.7	26.3	23.1	21.0	20.0	18.9	17.9	17.9
25°	243.9	190.3	83.1	28.4	24.2	21.0	18.9	17.9	16.8	15.8	15.8
27.5°	266.0	198.7	63.1	25.2	22.1	18.9	16.8	15.8	14.7	14.7	14.7
30°	289.1	200.8	45.2	23.1	20.0	17.9	15.8	14.7	13.7	13.7	13.7
32.5°	298.6	196.6	32.6	22.1	18.9	15.8	13.7	12.6	12.6	12.6	12.6
35°	312.2	188.2	26.3	20.0	16.8	14.7	12.6	12.6	11.6	11.6	11.6
37.5°	328.0	172.4	23.1	18.9	15.8	13.7	12.6	11.6	11.6	10.5	10.5
40°	339.6	156.6	21.0	17.9	14.7	12.6	11.6	10.5	10.5	9.5	9.5
42.5°	354.3	133.5	21.0	16.8	13.7	11.6	10.5	9.5	8.4	8.4	7.4
45°	370.1	111.4	20.0	15.8	12.6	10.5	9.5	7.4	6.3	6.3	6.3
47.5°	385.8	87.3	18.9	14.7	11.6	9.5	7.4	6.3	5.3	5.3	4.2
50°	414.2	67.3	16.8	12.6	10.5	8.4	6.3	5.3	4.2	4.2	3.2
52.5°	438.4	53.6	15.8	11.6	9.5	7.4	5.3	4.2	3.2	3.2	3.2
55°	430.0	43.1	13.7	10.5	8.4	5.3	4.2	3.2	3.2	2.1	2.1
57.5°	399.5	38.9	12.6	9.5	7.4	5.3	4.2	3.2	2.1	2.1	2.1
60°	391.1	34.7	11.6	9.5	6.3	4.2	3.2	2.1	2.1	2.1	1.1
62.5°	390.0	31.5	10.5	7.4	5.3	3.2	3.2	2.1	2.1	1.1	1.1
65°	405.8	28.4	8.4	6.3	4.2	3.2	2.1	2.1	1.1	0.0	0.0
67.5°	411.1	25.2	8.4	5.3	3.2	2.1	2.1	1.1	0.0	0.0	0.0
70°	350.1	21.0	7.4	4.2	3.2	2.1	1.1	1.1	0.0	0.0	0.0
72.5°	207.1	16.8	6.3	3.2	2.1	2.1	1.1	1.1	0.0	0.0	0.0
75°	74.6	11.6	4.2	3.2	2.1	1.1	1.1	0.0	0.0	0.0	0.0
77.5°	23.1	8.4	3.2	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
80°	9.5	6.3	3.2	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
82.5°	5.3	4.2	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	3.2	2.1	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	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)