

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: P565381

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

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565381
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-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T3R distribution lens and House Side Shield
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

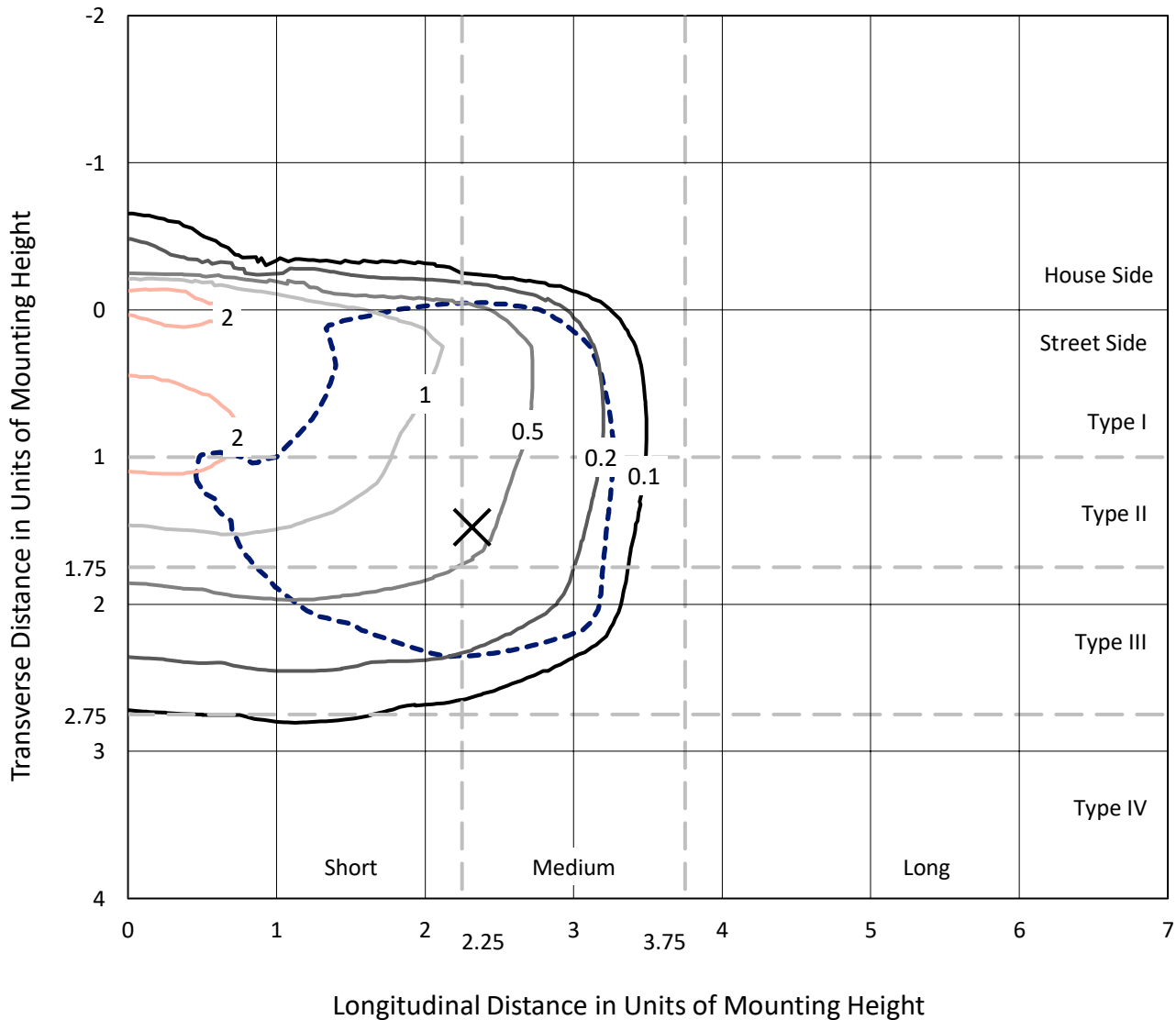
Lumens per Lamp: N/A
Luminaire Lumens: 1572.7 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

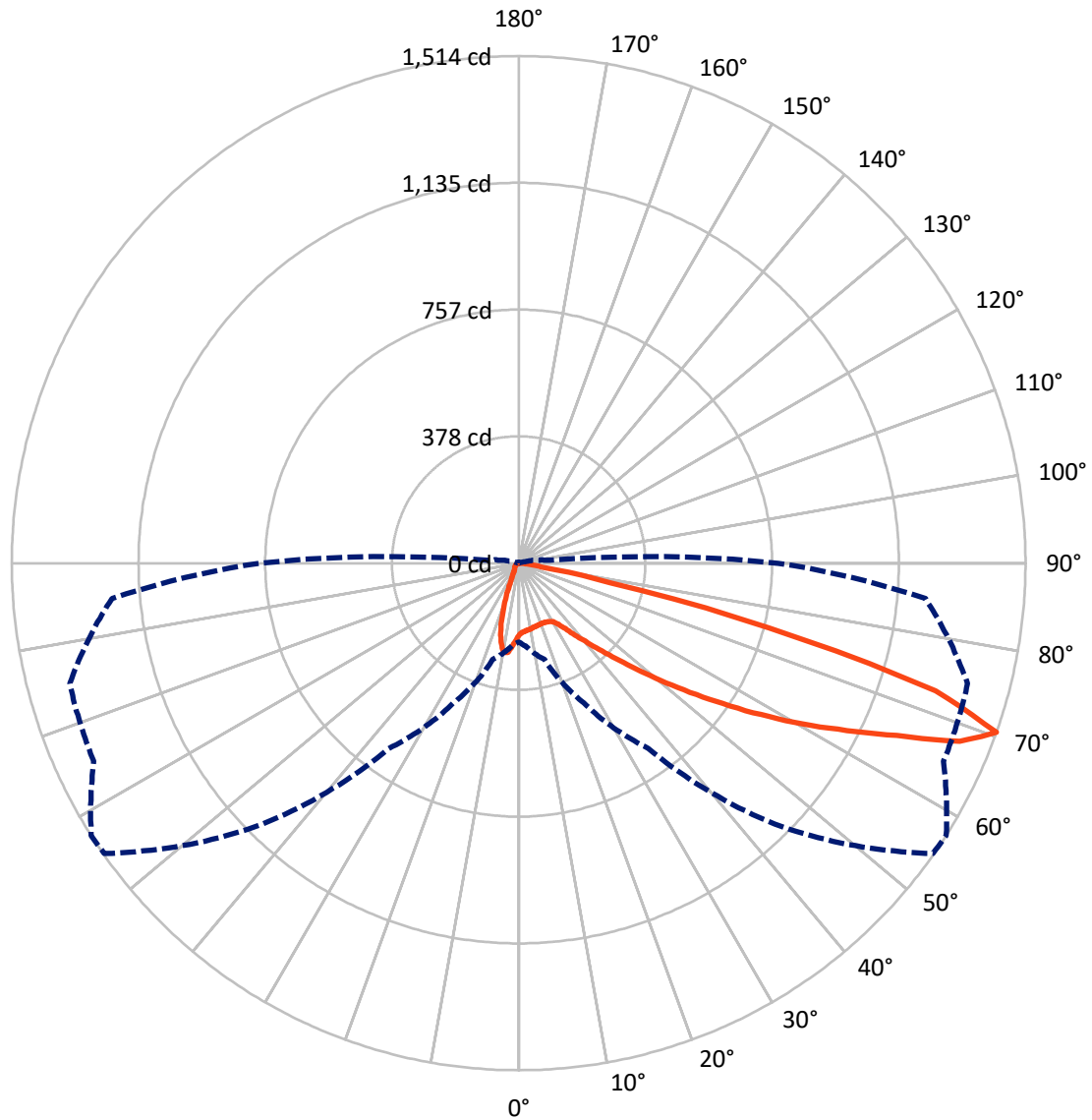
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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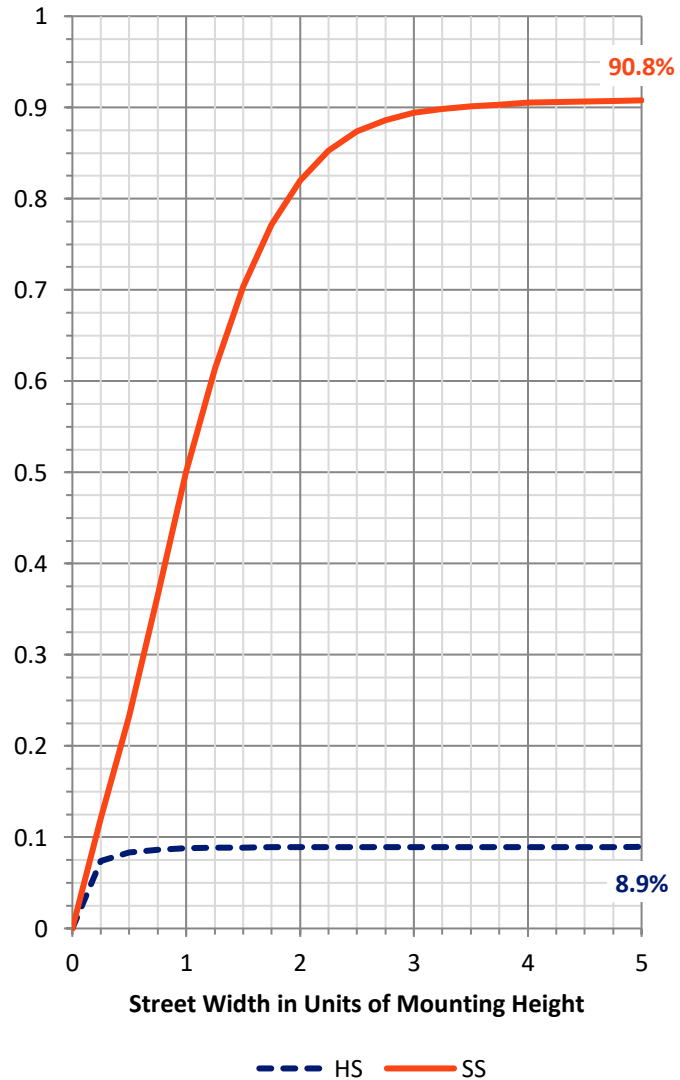
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	141.4	0.0	141.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1431.3	0.0	1431.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	1572.7	0.0	1572.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	1.3
10°-20°	48.8	3.1
20°-30°	77.7	4.9
30°-40°	142.9	9.1
40°-50°	235.4	15.0
50°-60°	347.3	22.1
60°-70°	480.8	30.6
70°-80°	213.0	13.5
80°-90°	6.2	0.4
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°	1572.7	100.0
0°-180°	1572.7	100.0

Coefficient of Utilization

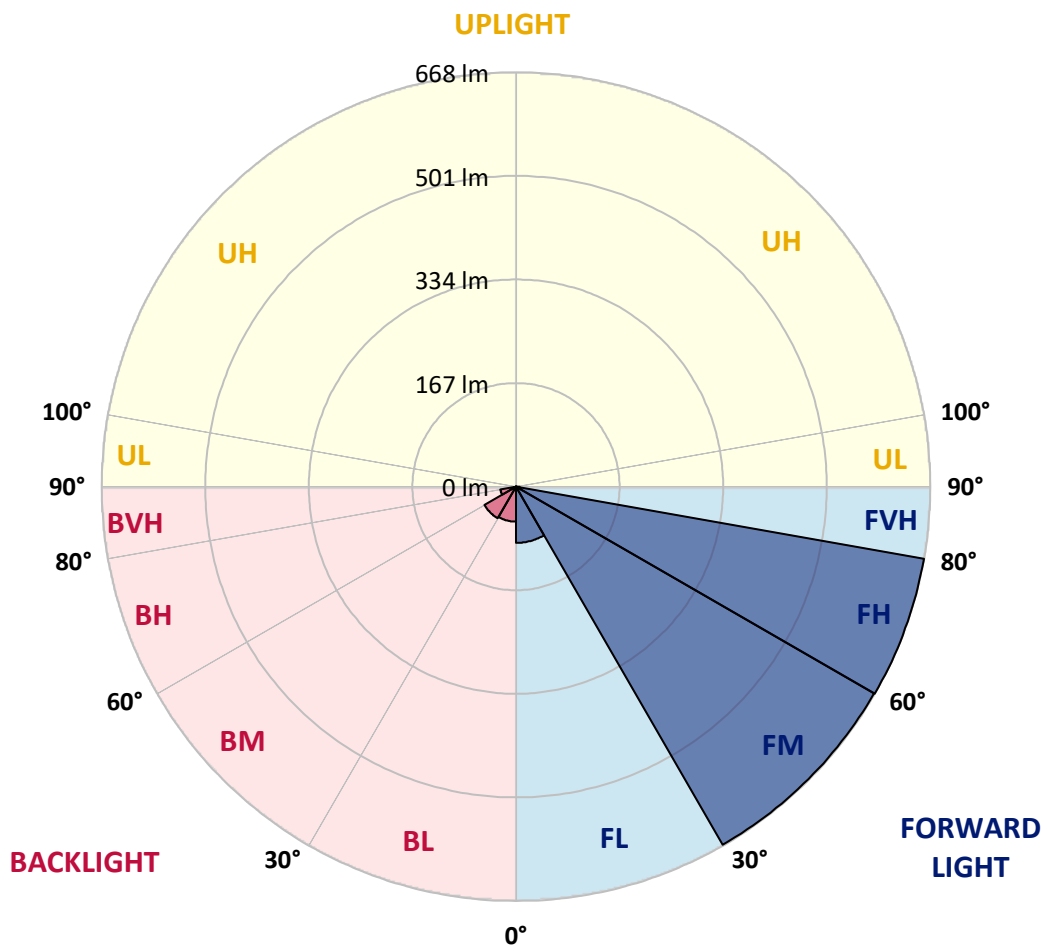


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.6	5.8			
FM (30°-60°)	666.8	42.4			
FH (60°-80°)	668.1	42.5			G1/1800
FVH (80°-90°)	5.7	0.4			G0/10
BL (0°-30°)	56.5	3.6	B0/110		
BM (30°-60°)	58.8	3.7	B0/220		
BH (60°-80°)	25.7	1.6	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4
2.5°	197.5	198.4	199.3	200.3	202.2	203.1	206.9	206.9	208.7	210.6	216.3
5°	180.5	181.5	183.3	188.1	192.8	197.5	203.1	204.0	207.8	214.4	221.0
7.5°	162.7	163.6	167.4	171.1	178.6	188.1	199.3	201.2	209.7	219.1	229.4
10°	149.5	148.6	151.4	155.1	163.6	178.6	195.6	199.3	212.5	225.7	240.7
12.5°	144.8	144.8	145.7	148.6	154.2	169.2	191.8	196.5	213.4	233.2	253.9
15°	141.0	141.0	142.0	142.9	149.5	163.6	189.0	195.6	216.3	240.7	265.2
17.5°	140.1	139.2	139.2	139.2	144.8	159.8	186.2	193.7	220.0	247.3	274.6
20°	150.4	148.6	142.9	140.1	142.9	156.1	185.2	192.8	222.8	252.0	279.3
22.5°	200.3	193.7	177.7	157.0	146.7	155.1	183.3	192.8	225.7	256.7	284.0
25°	292.4	283.0	252.0	206.9	169.2	159.8	184.3	194.6	229.4	259.5	287.7
27.5°	389.3	380.8	346.0	282.1	212.5	173.9	187.1	197.5	235.1	266.1	298.1
30°	466.4	463.5	429.7	361.1	273.6	207.8	195.6	203.1	244.5	279.3	311.2
32.5°	523.7	522.8	496.5	434.4	342.3	252.0	214.4	218.1	260.4	288.7	320.6
35°	568.9	566.0	545.3	494.6	410.9	306.5	243.5	239.8	273.6	299.0	331.0
37.5°	597.1	599.9	589.5	552.9	476.7	365.8	284.0	272.7	284.9	308.4	348.8
40°	610.2	614.9	632.8	622.4	551.0	426.9	321.6	306.5	303.7	328.1	378.9
42.5°	617.7	627.1	666.6	688.3	628.1	491.8	370.5	351.7	336.6	359.2	421.2
45°	638.4	647.8	690.1	731.5	694.8	557.6	425.9	405.2	380.8	398.7	477.6
47.5°	653.5	661.9	699.5	755.0	738.1	624.3	492.7	471.1	441.0	450.4	546.3
50°	665.7	674.2	717.4	764.4	762.5	680.7	567.0	549.1	519.0	520.0	626.2
52.5°	660.1	672.3	720.2	767.2	765.4	718.4	660.1	640.3	614.0	615.9	726.8
55°	551.0	570.7	694.8	761.6	777.6	755.0	754.1	739.0	727.8	733.4	827.4
57.5°	516.2	526.5	613.0	756.9	810.5	821.8	854.7	853.7	850.0	854.7	898.9
60°	497.4	509.6	585.8	756.0	866.0	920.5	975.0	973.2	961.9	970.3	1003.2
62.5°	451.3	464.5	547.2	737.2	917.7	1035.2	1104.8	1100.1	1075.6	1108.6	1154.6
65°	393.0	406.2	489.9	677.0	933.7	1132.1	1242.1	1241.1	1217.6	1282.5	1323.9
67.5°	320.6	333.8	404.3	599.9	853.7	1184.7	1419.8	1419.8	1369.0	1431.1	1397.2
70°	235.1	249.2	298.1	460.7	675.1	1113.3	1511.0	1513.8	1400.0	1387.8	1219.5
72.5°	119.4	135.4	203.1	311.2	450.4	878.2	1308.8	1302.2	1153.7	980.7	721.2
75°	49.8	56.4	107.2	176.8	188.1	434.4	782.3	771.9	583.0	418.4	237.9
77.5°	21.6	22.6	41.4	74.3	61.1	107.2	287.7	279.3	189.0	97.8	53.6
80°	16.0	18.8	34.8	32.9	21.6	28.2	69.6	68.6	45.1	24.4	15.0
82.5°	7.5	10.3	27.3	20.7	9.4	12.2	24.4	24.4	17.9	12.2	7.5
85°	2.8	3.8	16.0	13.2	4.7	3.8	10.3	10.3	8.5	5.6	2.8
87.5°	0.0	0.0	7.5	3.8	1.9	0.9	1.9	1.9	1.9	1.9	1.9
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°	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4
2.5°	218.1	220.0	222.8	227.5	230.4	233.2	233.2	236.0	235.1	236.0	235.1
5°	225.7	228.5	238.8	246.3	250.1	253.9	250.1	248.2	245.4	241.6	240.7
7.5°	236.9	244.5	262.3	268.9	268.9	256.7	238.8	223.8	214.4	207.8	204.0
10°	252.9	264.2	283.0	285.8	266.1	229.4	196.5	172.1	158.9	147.6	145.7
12.5°	267.0	282.1	302.8	285.8	235.1	186.2	143.9	109.1	93.1	82.7	80.9
15°	282.1	301.8	315.9	268.9	196.5	133.5	86.5	53.6	43.3	39.5	38.6
17.5°	296.2	319.7	320.6	237.9	149.5	80.9	41.4	32.9	31.0	32.0	32.0
20°	306.5	331.0	308.4	201.2	96.8	41.4	31.0	30.1	30.1	30.1	30.1
22.5°	315.9	338.5	286.8	157.0	54.5	30.1	29.1	29.1	29.1	29.1	29.1
25°	322.5	342.3	256.7	110.0	32.0	27.3	27.3	27.3	27.3	28.2	28.2
27.5°	334.7	347.0	227.5	66.8	26.3	25.4	25.4	25.4	25.4	26.3	26.3
30°	348.8	351.7	196.5	37.6	24.4	22.6	22.6	22.6	22.6	22.6	22.6
32.5°	359.2	348.8	155.1	27.3	22.6	20.7	19.7	18.8	17.9	17.9	17.9
35°	372.3	347.9	110.9	24.4	21.6	18.8	16.9	16.0	14.1	13.2	13.2
37.5°	390.2	342.3	70.5	22.6	19.7	16.9	15.0	13.2	10.3	10.3	10.3
40°	414.7	338.5	45.1	21.6	18.8	16.0	12.2	10.3	8.5	8.5	8.5
42.5°	447.6	332.8	31.0	20.7	17.9	14.1	10.3	8.5	6.6	5.6	5.6
45°	476.7	321.6	25.4	19.7	16.0	12.2	8.5	6.6	4.7	4.7	4.7
47.5°	504.0	300.9	23.5	17.9	14.1	9.4	6.6	4.7	3.8	3.8	3.8
50°	540.6	270.8	22.6	16.9	12.2	7.5	5.6	3.8	3.8	3.8	3.8
52.5°	583.9	238.8	20.7	15.0	10.3	6.6	4.7	3.8	2.8	2.8	2.8
55°	626.2	201.2	17.9	13.2	9.4	5.6	3.8	3.8	2.8	2.8	1.9
57.5°	658.2	176.8	15.0	11.3	7.5	4.7	3.8	2.8	2.8	1.9	1.9
60°	718.4	176.8	12.2	9.4	6.6	4.7	3.8	2.8	1.9	1.9	1.9
62.5°	810.5	185.2	9.4	7.5	4.7	3.8	2.8	2.8	1.9	0.9	0.9
65°	914.9	185.2	8.5	5.6	3.8	2.8	2.8	1.9	0.9	0.9	0.9
67.5°	937.4	158.0	7.5	4.7	2.8	2.8	1.9	1.9	0.9	0.0	0.0
70°	775.7	94.0	6.6	3.8	2.8	1.9	1.9	0.9	0.0	0.0	0.0
72.5°	440.0	37.6	5.6	2.8	1.9	1.9	0.9	0.9	0.0	0.0	0.0
75°	135.4	14.1	4.7	2.8	1.9	0.9	0.9	0.9	0.0	0.0	0.0
77.5°	30.1	8.5	3.8	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.0
80°	10.3	5.6	3.8	1.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
82.5°	5.6	3.8	3.8	1.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
85°	2.8	1.9	1.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	0.9	0.9	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)