

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: P565357

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T2-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565357
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-T2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2 distribution lens and House Side Shield
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

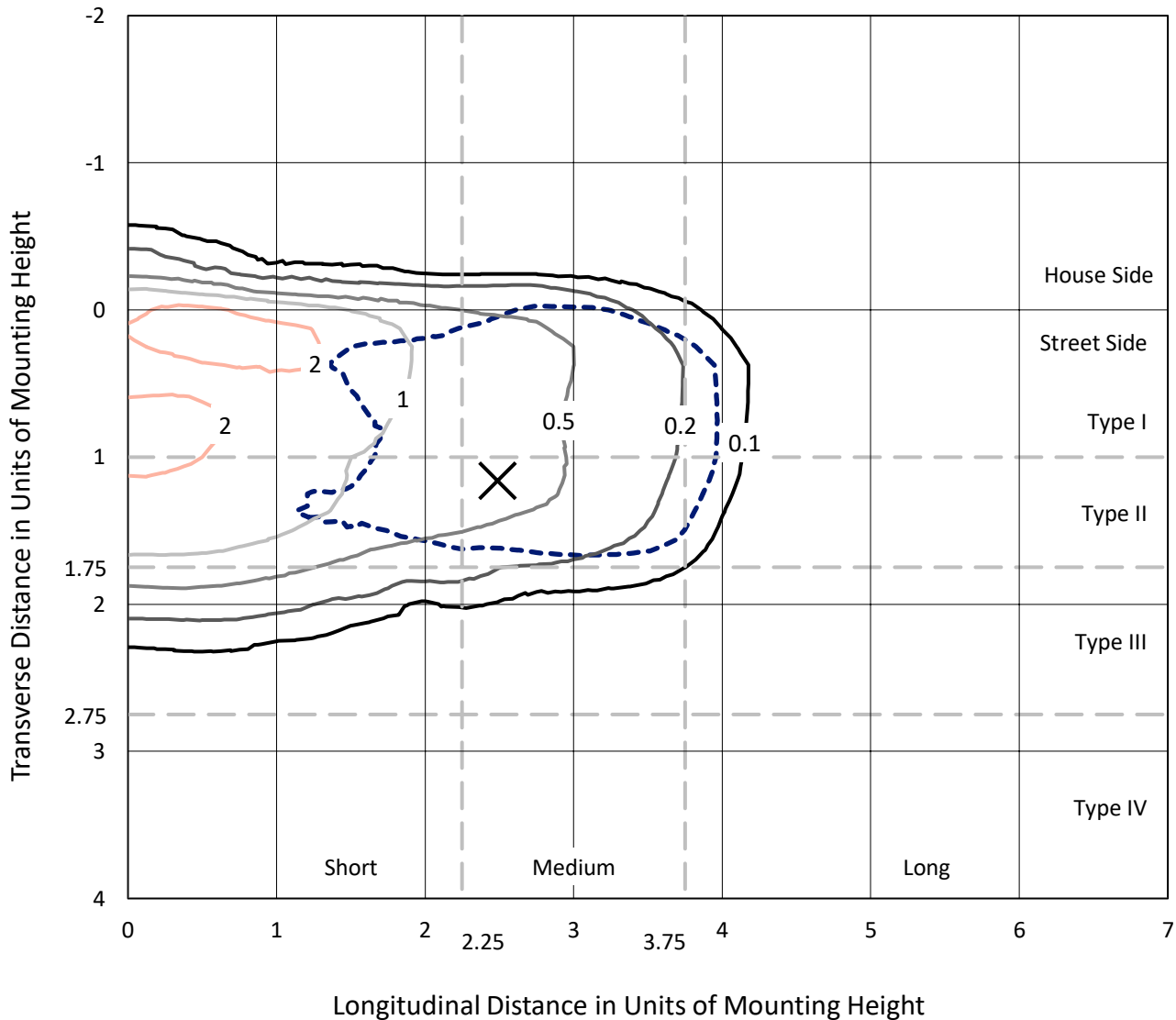
Lumens per Lamp: N/A
Luminaire Lumens: 1580.4 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

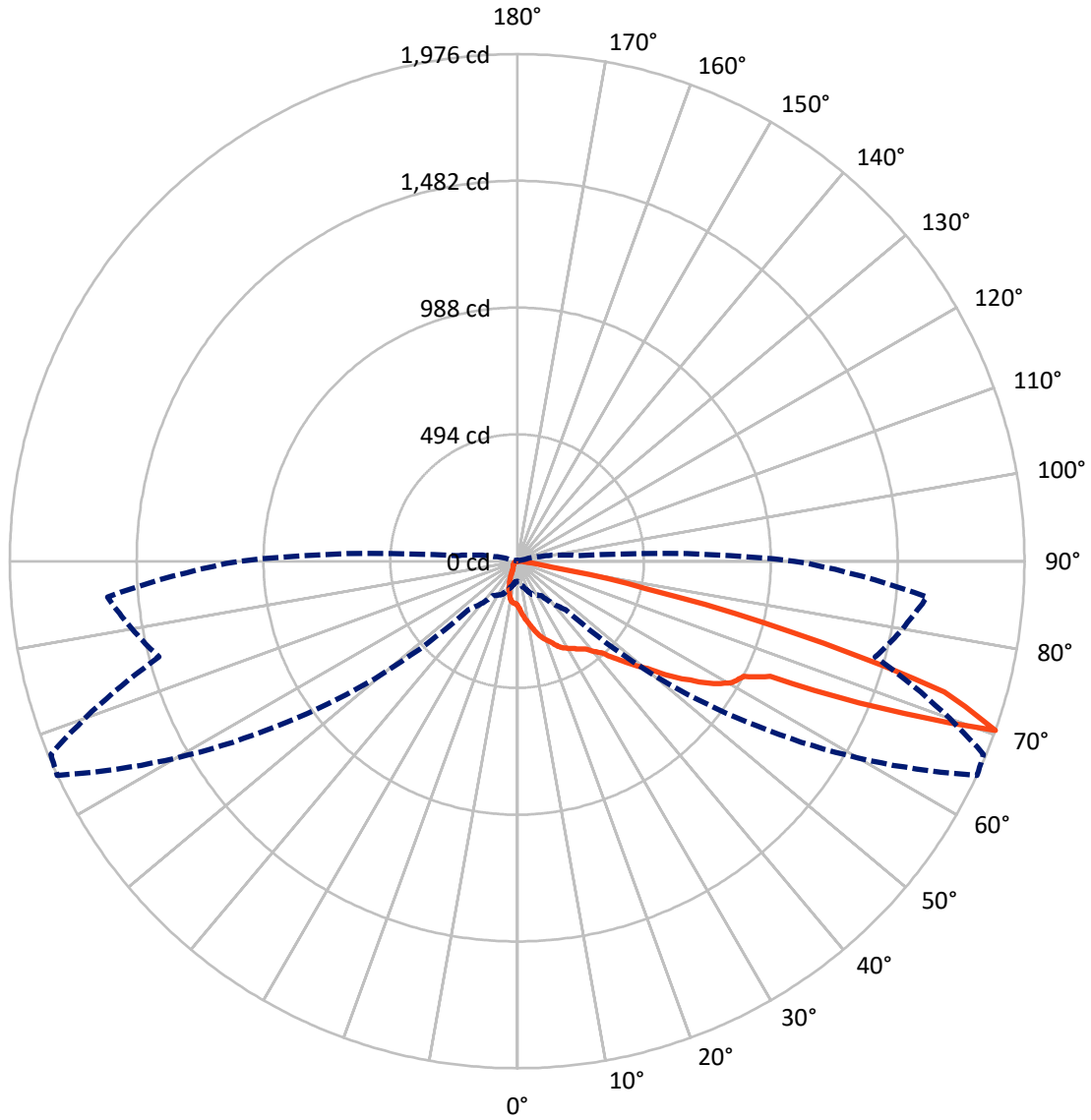
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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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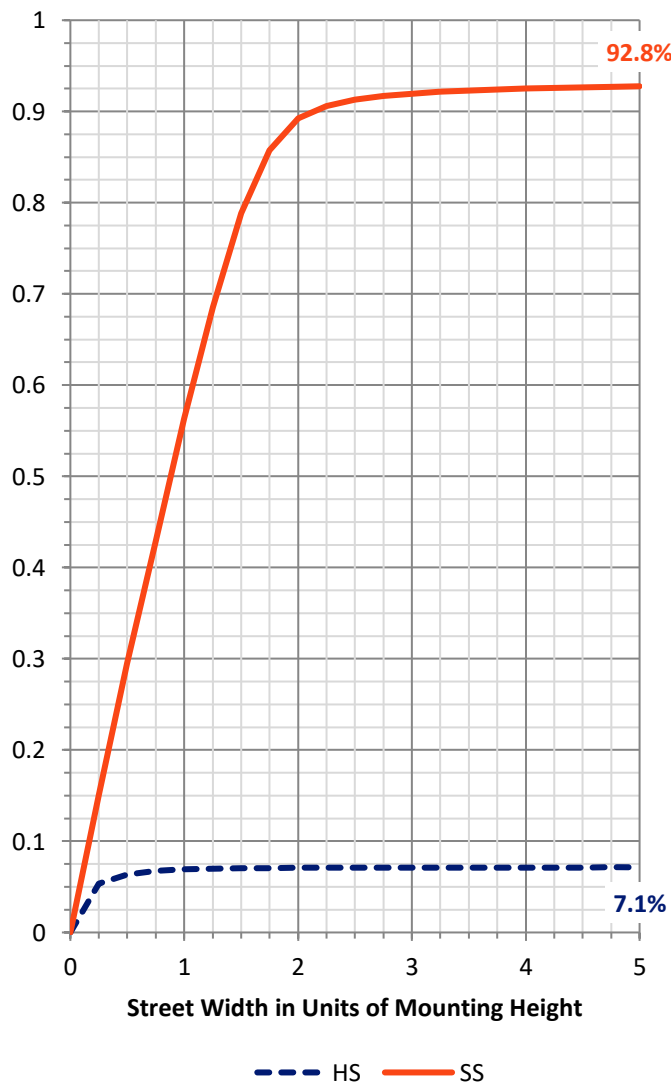
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	113.4	0.0	113.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	1467.0	0.0	1467.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	1580.4	0.0	1580.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	1.1
10°-20°	48.9	3.1
20°-30°	80.9	5.1
30°-40°	140.9	8.9
40°-50°	245.8	15.6
50°-60°	384.4	24.3
60°-70°	409.5	25.9
70°-80°	242.3	15.3
80°-90°	10.5	0.7
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°	1580.4	100.0
0°-180°	1580.4	100.0

Coefficient of Utilization

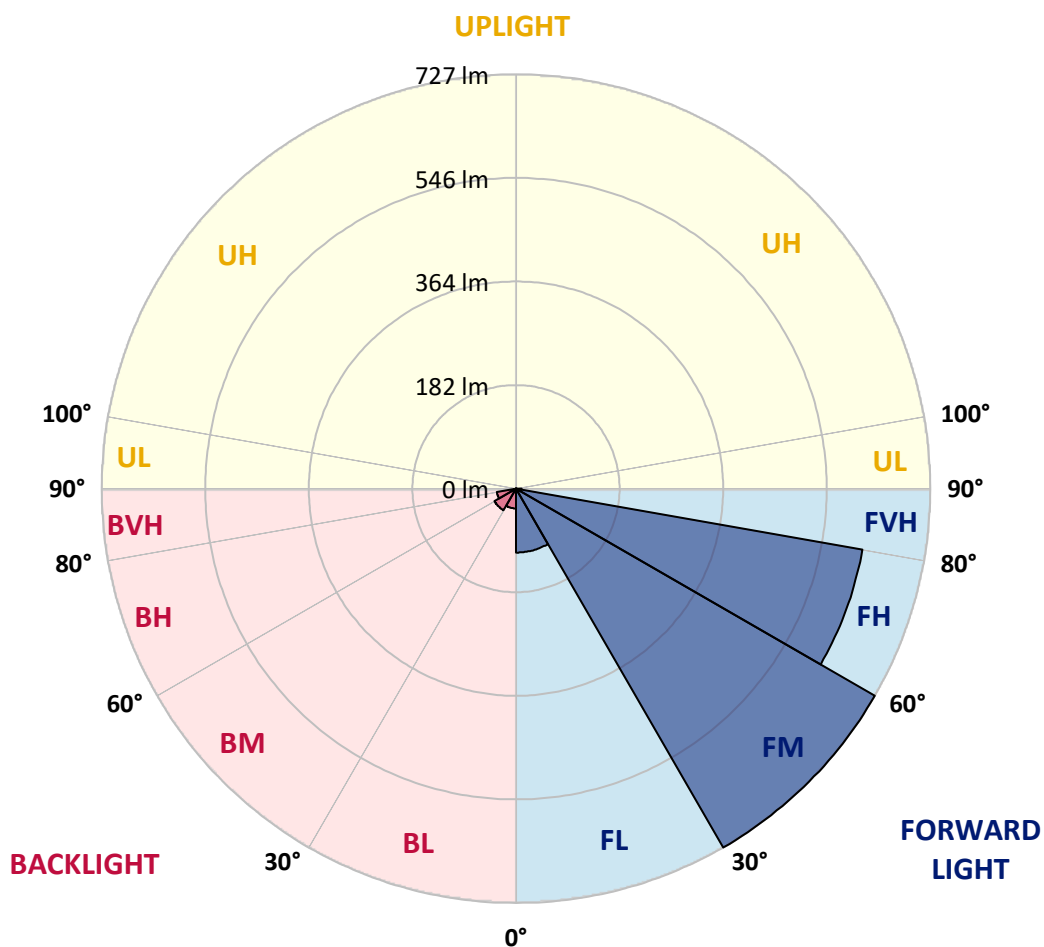


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.3	7.1			
FM (30°-60°)	727.4	46.0			
FH (60°-80°)	617.5	39.1			G0/660
FVH (80°-90°)	9.8	0.6			G0/10
BL (0°-30°)	34.7	2.2	B0/110		
BM (30°-60°)	43.7	2.8	B0/220		
BH (60°-80°)	34.3	2.2	B0/110		G0/110
BVH (80°-90°)	0.7	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°	67.5°	75°	85°
0°	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8
2.5°	196.8	198.9	197.8	196.8	194.7	194.7	191.6	186.4	185.3	184.3	179.1
5°	215.5	212.4	214.5	214.5	216.6	215.5	210.3	206.1	203.0	198.9	189.5
7.5°	214.5	214.5	216.6	219.7	222.8	227.0	229.1	227.0	222.8	216.6	204.1
10°	215.5	216.6	216.6	223.8	232.2	236.3	245.7	245.7	243.6	238.4	225.9
12.5°	211.4	214.5	220.7	229.1	239.5	246.8	259.2	266.5	267.6	260.3	245.7
15°	199.9	204.1	211.4	224.9	242.6	258.2	274.9	292.6	294.6	291.5	266.5
17.5°	187.4	188.4	195.7	211.4	235.3	262.4	292.6	312.3	316.5	318.6	292.6
20°	182.2	184.3	188.4	200.9	221.8	259.2	303.0	328.0	335.2	337.3	311.3
22.5°	187.4	190.5	189.5	197.8	216.6	250.9	307.1	344.6	351.9	364.4	332.1
25°	216.6	218.6	215.5	210.3	213.4	244.7	306.1	367.5	371.7	392.5	349.8
27.5°	265.5	270.7	260.3	246.8	233.2	248.8	310.3	382.1	391.5	421.7	368.6
30°	312.3	313.4	310.3	294.6	264.5	262.4	316.5	394.6	413.3	449.8	396.7
32.5°	346.7	347.7	348.8	340.5	315.5	293.6	321.7	406.0	431.0	472.7	417.5
35°	402.9	404.0	391.5	384.2	365.4	329.0	333.2	420.6	445.6	505.0	444.6
37.5°	470.6	486.2	464.4	435.2	409.2	371.7	359.2	434.2	459.1	545.6	478.9
40°	528.9	544.5	525.8	502.9	464.4	420.6	391.5	462.3	484.1	592.4	520.6
42.5°	585.1	595.5	592.4	562.2	529.9	488.3	437.3	489.3	515.4	648.6	567.4
45°	628.9	635.1	638.2	619.5	579.9	561.2	503.9	544.5	566.4	716.3	621.6
47.5°	668.4	679.9	673.6	668.4	635.1	636.1	566.4	599.7	628.9	780.9	696.5
50°	709.0	714.2	710.1	709.0	685.1	705.9	632.0	658.0	700.7	853.7	758.0
52.5°	773.6	766.3	769.4	764.2	741.3	754.8	666.3	743.4	773.6	927.7	849.6
55°	829.8	819.4	852.7	857.9	822.5	776.7	701.7	818.3	852.7	999.5	919.3
57.5°	801.7	809.0	878.7	921.4	965.1	846.5	733.0	901.6	933.9	1047.4	951.6
60°	680.9	682.0	779.8	886.0	987.0	986.0	797.5	961.0	999.5	1062.0	971.4
62.5°	419.6	452.9	558.1	733.0	911.0	1033.9	963.1	989.1	1012.0	1056.8	1006.8
65°	202.0	210.3	284.2	406.0	663.2	965.1	1165.0	1082.8	1045.3	1050.5	1060.9
67.5°	118.7	124.9	163.5	200.9	312.3	687.2	1265.0	1532.6	1360.8	1163.0	1242.1
70°	78.1	81.2	107.2	143.7	162.4	266.5	1091.1	1976.1	1965.7	1444.1	1602.3
72.5°	48.9	52.1	71.8	102.0	120.8	105.2	518.5	1740.8	1851.2	1651.3	1635.6
75°	33.3	34.4	43.7	72.9	89.5	69.8	135.3	1110.9	1268.1	1315.0	1185.9
77.5°	22.9	23.9	29.2	44.8	62.5	47.9	52.1	513.3	592.4	659.0	569.5
80°	12.5	13.5	20.8	27.1	42.7	31.2	34.4	137.4	162.4	181.2	135.3
82.5°	5.2	6.2	10.4	16.7	29.2	19.8	17.7	39.6	44.8	51.0	28.1
85°	1.0	1.0	5.2	12.5	13.5	9.4	8.3	18.7	22.9	20.8	9.4
87.5°	0.0	0.0	2.1	2.1	4.2	3.1	2.1	4.2	6.2	8.3	2.1
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°	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8
2.5°	177.0	174.9	172.8	165.5	164.5	160.3	155.1	154.1	152.0	149.9	148.9
5°	185.3	182.2	173.9	163.5	157.2	149.9	143.7	140.6	136.4	133.3	131.2
7.5°	199.9	189.5	177.0	160.3	148.9	135.3	124.9	119.7	112.4	109.3	108.3
10°	212.4	202.0	178.0	152.0	132.2	115.6	103.1	90.6	83.3	79.1	77.0
12.5°	230.1	216.6	176.0	138.5	114.5	90.6	73.9	58.3	53.1	48.9	50.0
15°	248.8	229.1	171.8	122.9	93.7	65.6	47.9	39.6	39.6	38.5	38.5
17.5°	264.5	234.3	157.2	107.2	71.8	43.7	36.4	36.4	36.4	35.4	35.4
20°	285.3	237.4	140.6	89.5	48.9	34.4	32.3	32.3	32.3	30.2	30.2
22.5°	298.8	235.3	121.8	71.8	34.4	31.2	28.1	27.1	26.0	23.9	23.9
25°	307.1	228.0	109.3	52.1	31.2	27.1	23.9	22.9	20.8	19.8	19.8
27.5°	321.7	216.6	96.8	38.5	29.2	25.0	20.8	18.7	17.7	16.7	16.7
30°	334.2	207.2	82.3	32.3	26.0	21.9	17.7	16.7	15.6	14.6	14.6
32.5°	347.7	194.7	67.7	31.2	23.9	18.7	15.6	14.6	13.5	13.5	13.5
35°	351.9	178.0	56.2	29.2	21.9	16.7	14.6	13.5	12.5	12.5	12.5
37.5°	361.3	166.6	44.8	27.1	19.8	15.6	14.6	12.5	11.5	11.5	10.4
40°	377.9	155.1	35.4	25.0	18.7	15.6	13.5	11.5	10.4	9.4	9.4
42.5°	389.4	145.8	32.3	22.9	16.7	14.6	12.5	10.4	9.4	8.3	8.3
45°	410.2	138.5	30.2	20.8	15.6	13.5	11.5	9.4	7.3	6.2	6.2
47.5°	447.7	136.4	28.1	18.7	15.6	12.5	10.4	7.3	6.2	5.2	5.2
50°	476.8	132.2	27.1	17.7	14.6	11.5	8.3	6.2	4.2	4.2	4.2
52.5°	521.6	132.2	25.0	16.7	13.5	10.4	7.3	5.2	4.2	3.1	3.1
55°	559.1	135.3	23.9	15.6	12.5	8.3	6.2	4.2	3.1	3.1	2.1
57.5°	584.1	132.2	22.9	14.6	11.5	7.3	5.2	4.2	3.1	2.1	2.1
60°	609.1	131.2	20.8	13.5	9.4	6.2	5.2	3.1	2.1	2.1	1.0
62.5°	632.0	131.2	17.7	11.5	7.3	5.2	4.2	3.1	2.1	1.0	1.0
65°	687.2	139.5	14.6	9.4	6.2	4.2	3.1	2.1	1.0	1.0	1.0
67.5°	822.5	178.0	12.5	7.3	5.2	4.2	3.1	2.1	1.0	0.0	0.0
70°	1082.8	239.5	10.4	6.2	4.2	3.1	2.1	1.0	0.0	0.0	0.0
72.5°	1025.5	183.2	8.3	5.2	4.2	3.1	2.1	1.0	0.0	0.0	0.0
75°	705.9	71.8	6.2	4.2	3.1	2.1	1.0	1.0	0.0	0.0	0.0
77.5°	315.5	21.9	5.2	3.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0
80°	59.3	9.4	3.1	3.1	2.1	1.0	1.0	0.0	0.0	0.0	0.0
82.5°	13.5	6.2	3.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0	0.0
85°	6.2	3.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	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)