

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: P565406

Luminaire Tested: **IFLD-S-SA3A-AMB-U-SL2-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565406
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-AMB-U-SL2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL2 distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

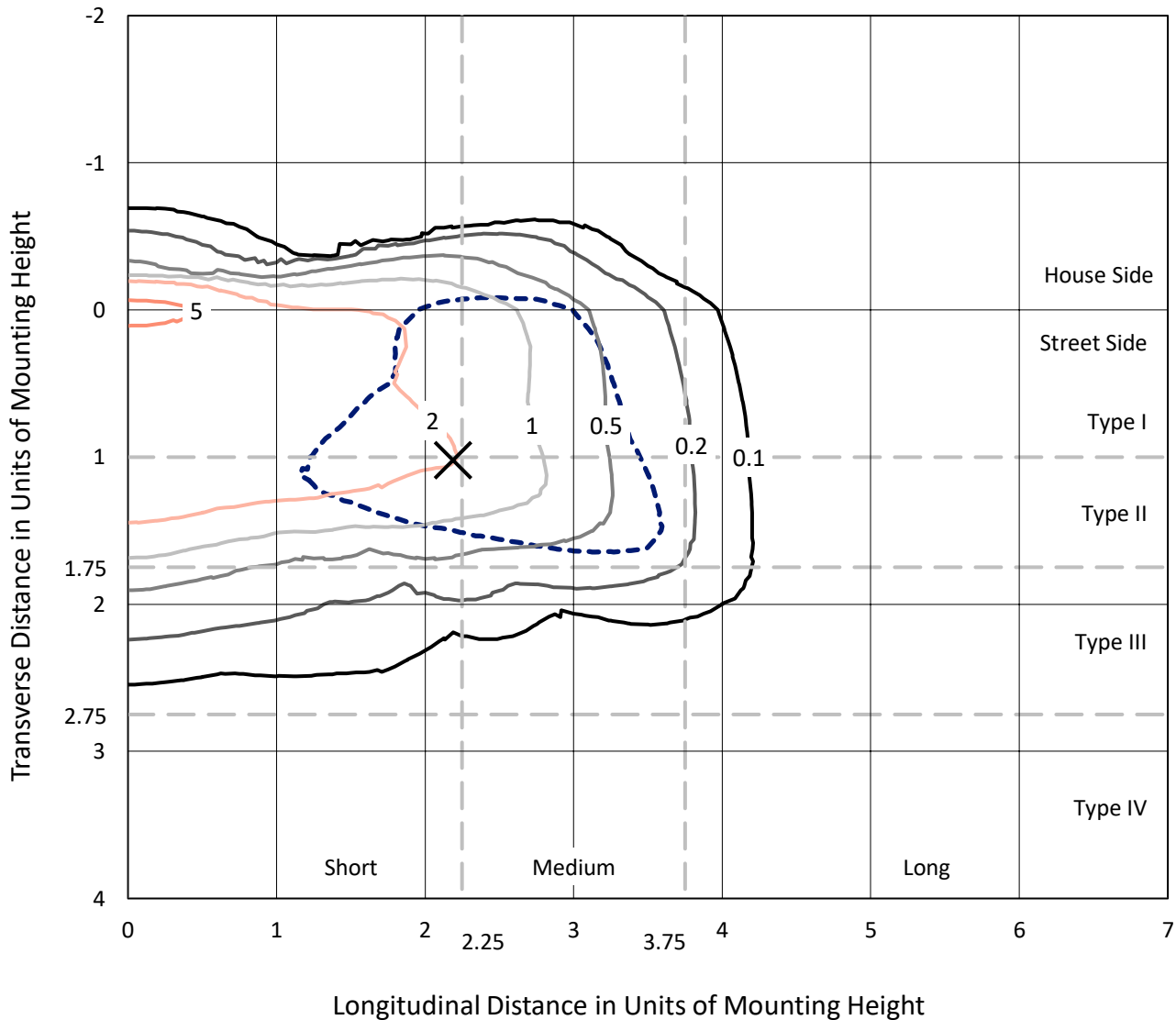
Lumens per Lamp: N/A
Luminaire Lumens: 2691 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 61.2
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

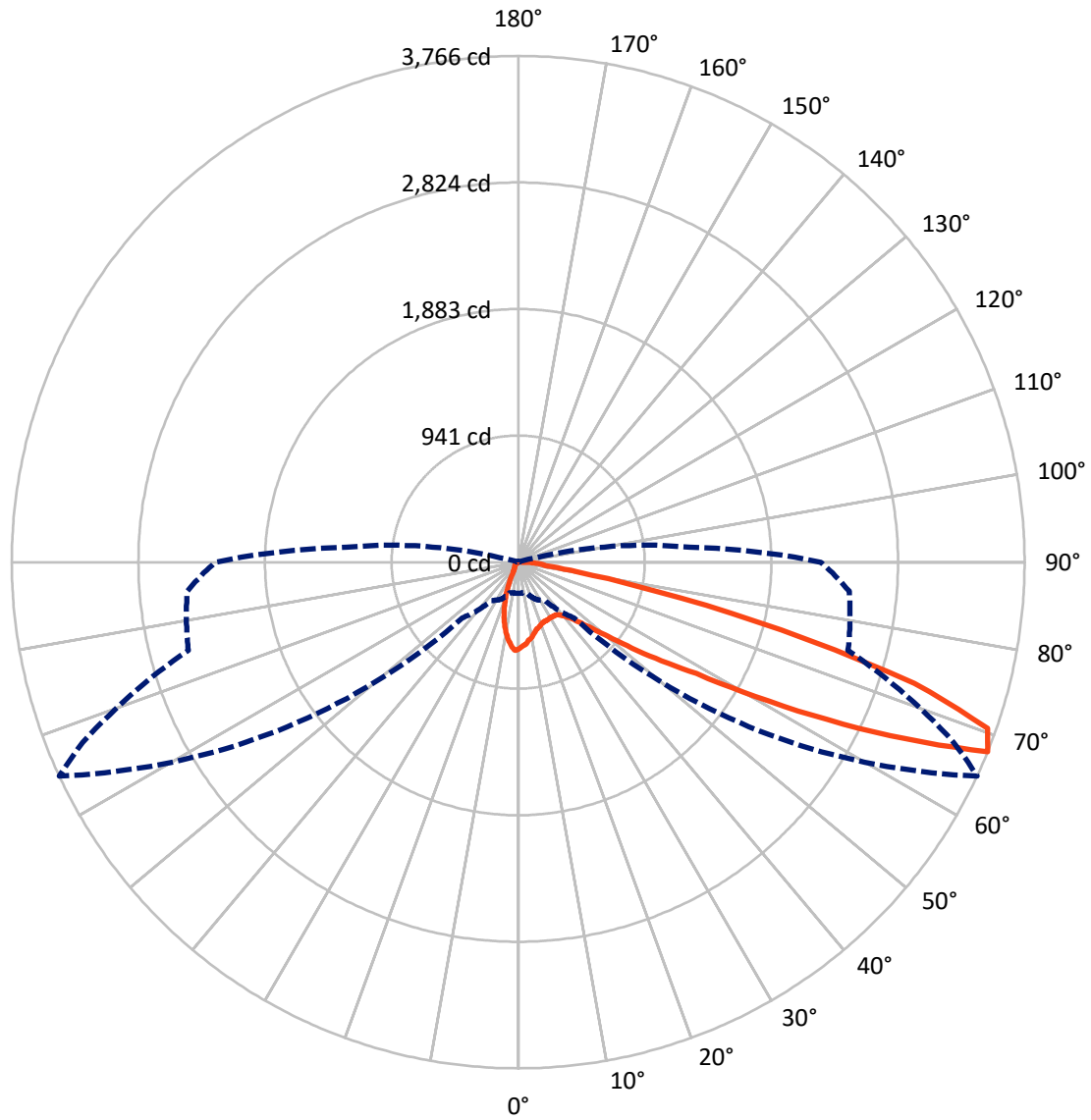
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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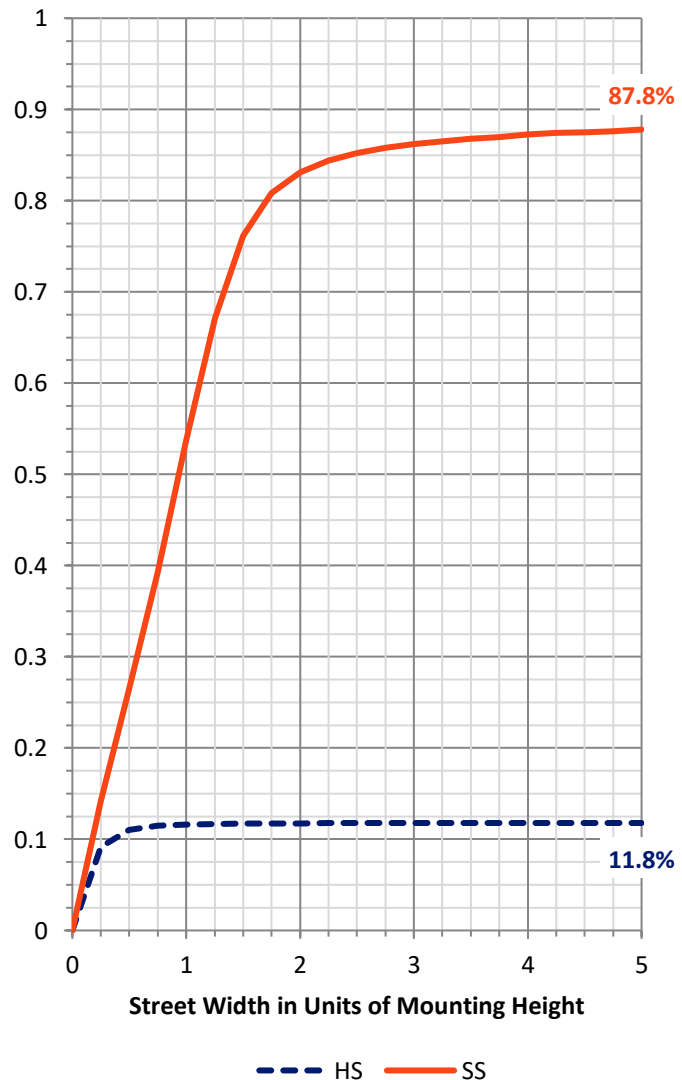
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.8	0.0	319.8
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	2371.2	0.0	2371.2
	% Fixture	88.1	0.0	88.1
Total	Lumens	2691.0	0.0	2691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.9
10°-20°	106.3	3.9
20°-30°	145.6	5.4
30°-40°	212.3	7.9
40°-50°	354.3	13.2
50°-60°	615.9	22.9
60°-70°	772.9	28.7
70°-80°	394.9	14.7
80°-90°	37.3	1.4
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°	2691.0	100.0
0°-180°	2691.0	100.0

Coefficient of Utilization

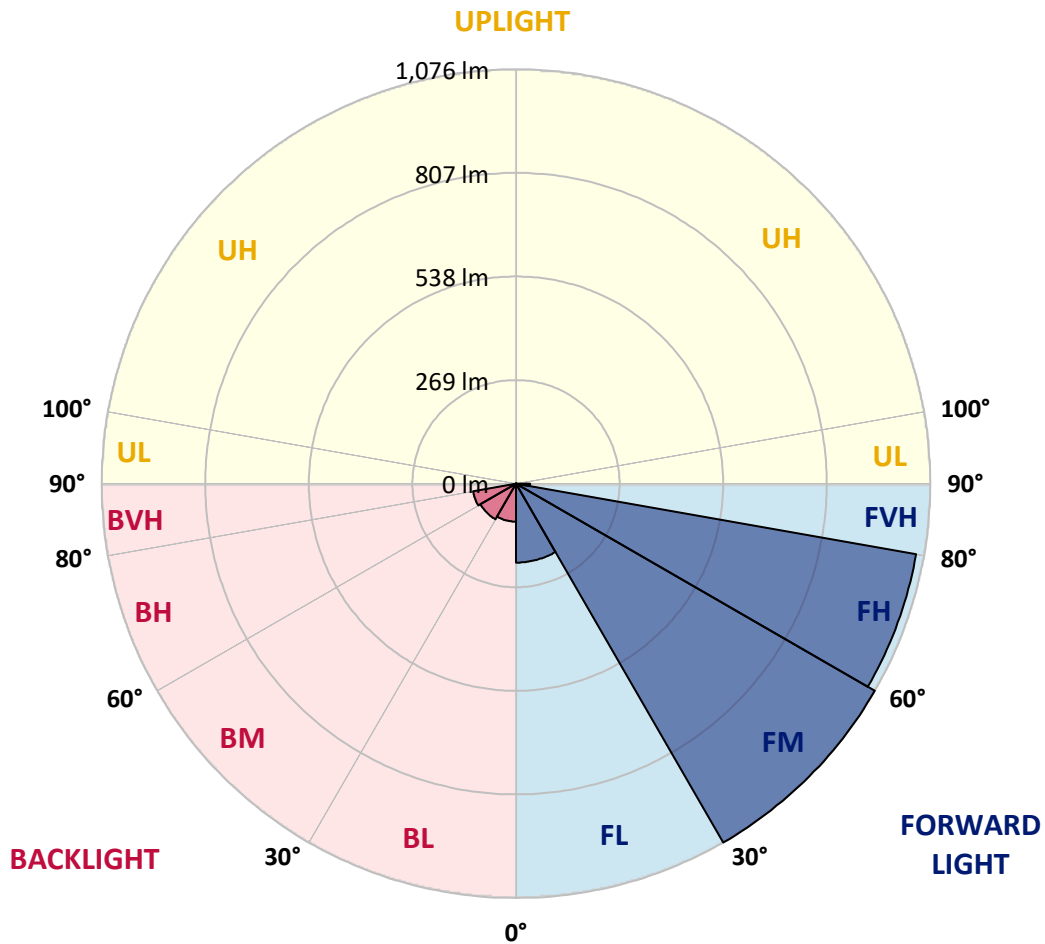


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.9	7.6			
FM (30°-60°)	1075.5	40.0			
FH (60°-80°)	1054.7	39.2			G1/1800
FVH (80°-90°)	36.1	1.3			G1/100
BL (0°-30°)	98.6	3.7	B0/110		
BM (30°-60°)	106.9	4.0	B0/220		
BH (60°-80°)	113.1	4.2	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4
2.5°	585.8	587.3	598.3	593.6	604.6	621.9	628.2	625.0	637.6	642.3	645.4
5°	538.7	541.8	540.2	546.5	563.8	577.9	590.5	612.5	612.5	629.7	640.7
7.5°	480.5	483.7	494.7	499.4	515.1	535.5	555.9	582.6	587.3	625.0	647.0
10°	449.1	450.7	449.1	458.6	474.3	499.4	527.7	566.9	565.4	599.9	645.4
12.5°	413.0	417.7	424.0	433.4	450.7	472.7	496.3	537.1	551.2	598.3	653.3
15°	397.3	400.5	403.6	416.2	420.9	447.6	475.8	516.7	535.5	588.9	654.9
17.5°	394.2	392.6	392.6	395.7	406.7	430.3	461.7	507.2	521.4	576.3	659.6
20°	389.5	387.9	387.9	387.9	400.5	420.9	449.1	491.5	510.4	571.6	669.0
22.5°	402.0	400.5	397.3	394.2	392.6	409.9	442.9	483.7	499.4	562.2	669.0
25°	435.0	431.9	424.0	420.9	402.0	406.7	433.4	482.1	490.0	559.1	670.6
27.5°	466.4	464.8	455.4	447.6	425.6	413.0	438.1	480.5	491.5	544.9	661.1
30°	501.0	507.2	497.8	488.4	452.3	427.2	439.7	477.4	483.7	537.1	664.3
32.5°	570.1	562.2	559.1	551.2	505.7	450.7	450.7	479.0	486.8	540.2	669.0
35°	623.5	631.3	631.3	626.6	560.6	497.8	475.8	482.1	486.8	537.1	665.9
37.5°	676.9	687.8	698.8	698.8	643.9	560.6	505.7	497.8	504.1	538.7	673.7
40°	745.9	742.8	769.5	788.3	742.8	629.7	549.6	524.5	529.2	551.2	684.7
42.5°	838.6	826.0	848.0	884.1	846.5	724.0	623.5	568.5	568.5	592.0	702.0
45°	943.8	923.4	942.3	979.9	947.0	826.0	702.0	636.0	626.6	651.7	747.5
47.5°	1041.2	1060.0	1060.0	1099.3	1097.7	956.4	810.3	731.8	724.0	719.3	832.3
50°	1116.6	1133.8	1149.5	1221.8	1272.0	1137.0	942.3	865.3	852.7	844.9	939.1
52.5°	1198.2	1176.2	1177.8	1259.5	1402.4	1385.1	1122.8	1061.6	1028.6	997.2	1075.7
55°	1133.8	1130.7	1133.8	1221.8	1457.3	1637.9	1385.1	1294.0	1243.8	1202.9	1289.3
57.5°	910.8	915.6	901.4	1027.1	1361.6	1826.4	1845.2	1564.1	1513.9	1429.1	1543.7
60°	669.0	676.9	662.7	742.8	1102.4	1837.4	2250.4	2025.8	1941.0	1685.1	1758.9
62.5°	474.3	468.0	449.1	510.4	735.0	1597.1	2540.9	2580.2	2338.4	1926.9	2018.0
65°	332.9	325.1	328.2	372.2	455.4	1088.3	2522.1	3172.2	2914.7	2217.4	2317.9
67.5°	232.4	230.9	234.0	304.7	348.6	585.8	2187.6	3765.9	3505.2	2539.4	2470.3
70°	164.9	161.8	164.9	249.7	325.1	370.6	1562.6	3701.5	3715.6	2591.2	2431.0
72.5°	97.4	97.4	116.2	183.7	309.4	337.6	775.8	3081.2	3191.1	2313.2	1919.1
75°	50.3	48.7	62.8	124.1	279.5	318.8	365.9	2019.6	2113.8	1587.7	1099.3
77.5°	28.3	26.7	29.8	64.4	213.6	303.1	292.1	1044.3	1028.6	687.8	406.7
80°	14.1	14.1	18.8	34.5	124.1	292.1	265.4	442.9	389.5	158.6	78.5
82.5°	4.7	4.7	9.4	22.0	50.3	260.7	246.6	199.4	161.8	40.8	39.3
85°	1.6	1.6	3.1	14.1	22.0	120.9	208.9	161.8	119.4	18.8	23.6
87.5°	0.0	0.0	0.0	4.7	7.9	25.1	83.2	89.5	72.2	6.3	14.1
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°	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4
2.5°	647.0	650.2	658.0	658.0	645.4	631.3	628.2	607.8	614.0	610.9	598.3
5°	659.6	651.7	651.7	628.2	598.3	573.2	546.5	521.4	510.4	504.1	501.0
7.5°	647.0	654.9	631.3	584.2	537.1	485.3	439.7	398.9	376.9	365.9	361.2
10°	667.4	654.9	601.5	538.7	460.1	381.6	317.2	259.1	227.7	208.9	204.2
12.5°	658.0	656.4	579.5	480.5	375.3	270.1	183.7	130.3	102.1	92.7	92.7
15°	681.6	651.7	552.8	422.4	285.8	158.6	92.7	72.2	66.0	64.4	64.4
17.5°	673.7	642.3	515.1	353.3	190.0	89.5	64.4	61.2	59.7	58.1	58.1
20°	684.7	628.2	471.1	279.5	109.9	61.2	56.5	55.0	53.4	51.8	51.8
22.5°	670.6	618.7	425.6	202.6	69.1	53.4	50.3	48.7	45.5	45.5	45.5
25°	664.3	603.0	380.0	135.1	55.0	48.7	44.0	42.4	39.3	36.1	37.7
27.5°	656.4	581.1	336.1	86.4	48.7	42.4	37.7	34.5	31.4	29.8	29.8
30°	642.3	555.9	284.2	59.7	44.0	39.3	33.0	29.8	25.1	23.6	23.6
32.5°	621.9	543.4	232.4	50.3	40.8	34.5	29.8	25.1	22.0	20.4	20.4
35°	609.3	516.7	180.6	45.5	37.7	29.8	25.1	20.4	18.8	17.3	17.3
37.5°	607.8	493.1	133.5	42.4	34.5	26.7	20.4	17.3	15.7	14.1	14.1
40°	595.2	475.8	94.2	39.3	31.4	23.6	18.8	15.7	14.1	12.6	12.6
42.5°	614.0	463.3	67.5	36.1	28.3	20.4	15.7	12.6	11.0	9.4	9.4
45°	632.9	468.0	53.4	33.0	23.6	17.3	14.1	11.0	9.4	7.9	7.9
47.5°	694.1	483.7	47.1	29.8	20.4	15.7	12.6	9.4	7.9	6.3	6.3
50°	766.4	508.8	44.0	26.7	18.8	14.1	9.4	7.9	6.3	4.7	4.7
52.5°	879.4	573.2	42.4	23.6	15.7	12.6	7.9	6.3	4.7	3.1	3.1
55°	1075.7	658.0	37.7	22.0	14.1	9.4	6.3	4.7	3.1	3.1	3.1
57.5°	1278.3	799.3	34.5	18.8	11.0	7.9	6.3	4.7	3.1	1.6	1.6
60°	1534.3	964.2	29.8	15.7	9.4	6.3	4.7	3.1	3.1	1.6	1.6
62.5°	1807.6	1151.1	25.1	12.6	7.9	4.7	3.1	3.1	1.6	1.6	0.0
65°	2132.6	1301.9	20.4	9.4	6.3	4.7	3.1	1.6	1.6	0.0	0.0
67.5°	2252.0	1281.5	15.7	7.9	4.7	3.1	3.1	1.6	1.6	0.0	0.0
70°	2175.0	1122.8	14.1	6.3	4.7	3.1	1.6	1.6	0.0	0.0	0.0
72.5°	1645.8	716.1	11.0	4.7	3.1	1.6	1.6	1.6	0.0	0.0	0.0
75°	895.1	259.1	9.4	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0
77.5°	278.0	61.2	7.9	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0
80°	55.0	20.4	6.3	3.1	1.6	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	33.0	11.0	4.7	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	22.0	4.7	3.1	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	12.6	1.6	1.6	1.6	1.6	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)