

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: P565398

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T4W-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565398
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-T4W-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4W distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

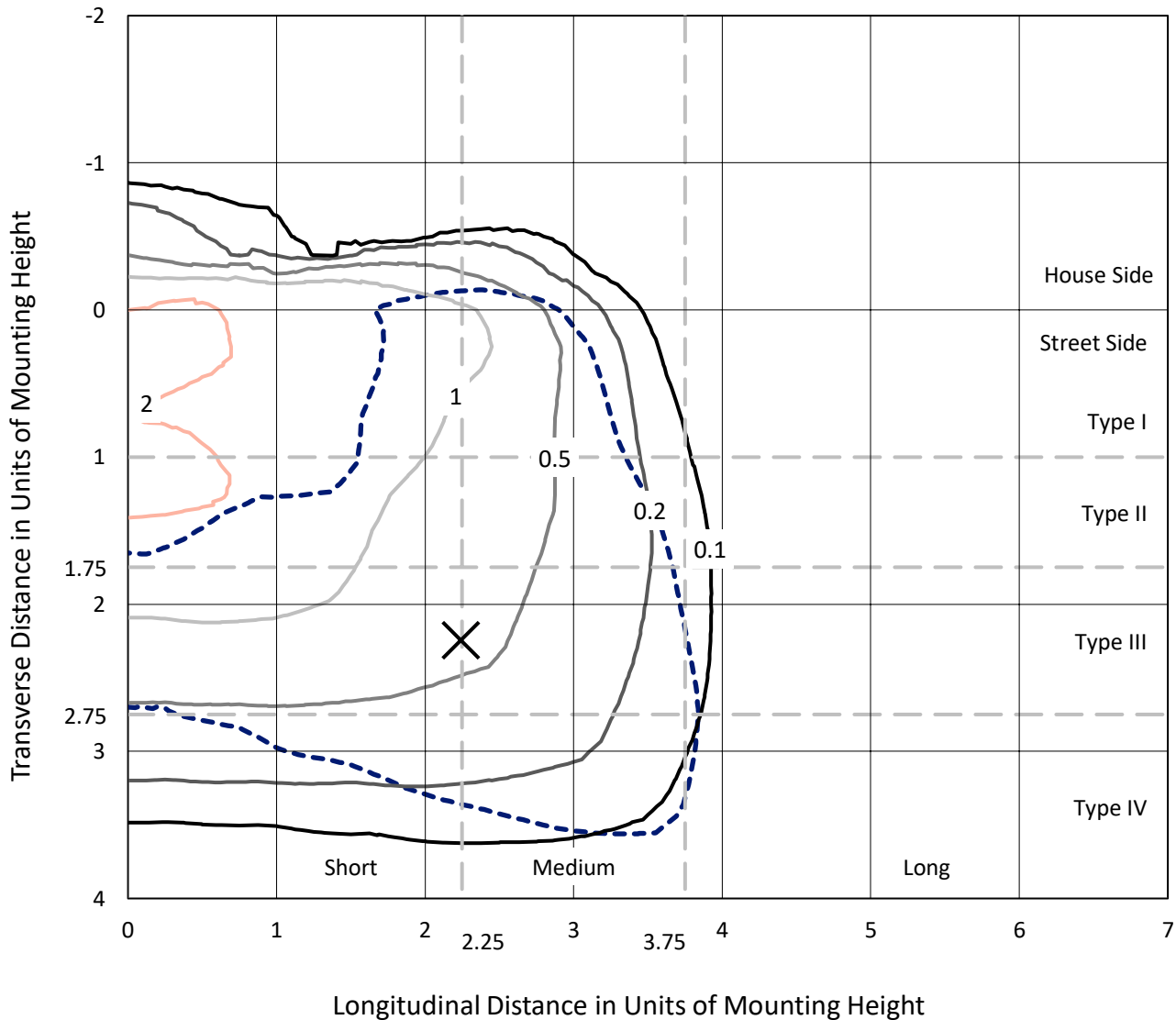
Lumens per Lamp: N/A
Luminaire Lumens: 2412.8 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

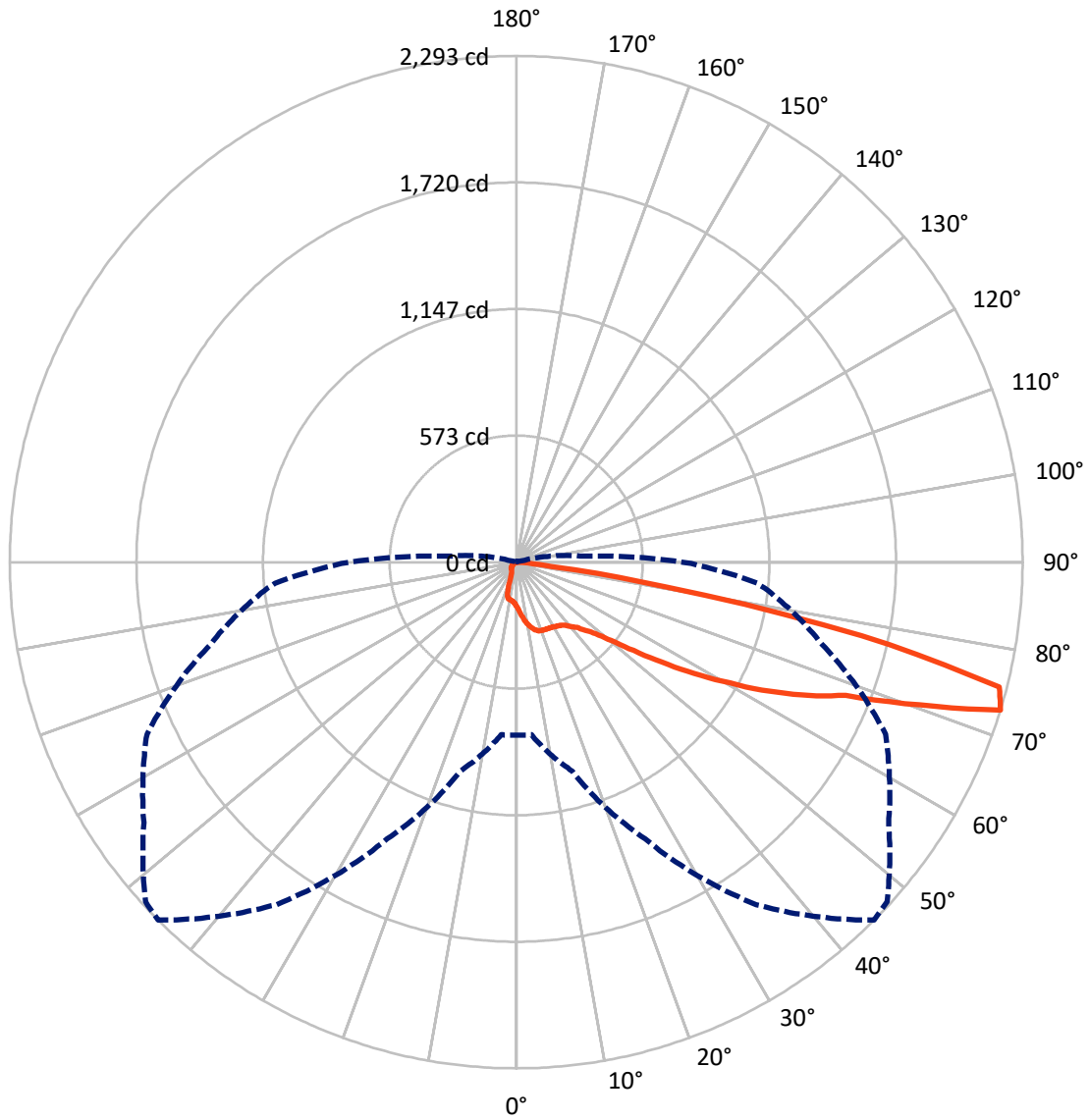
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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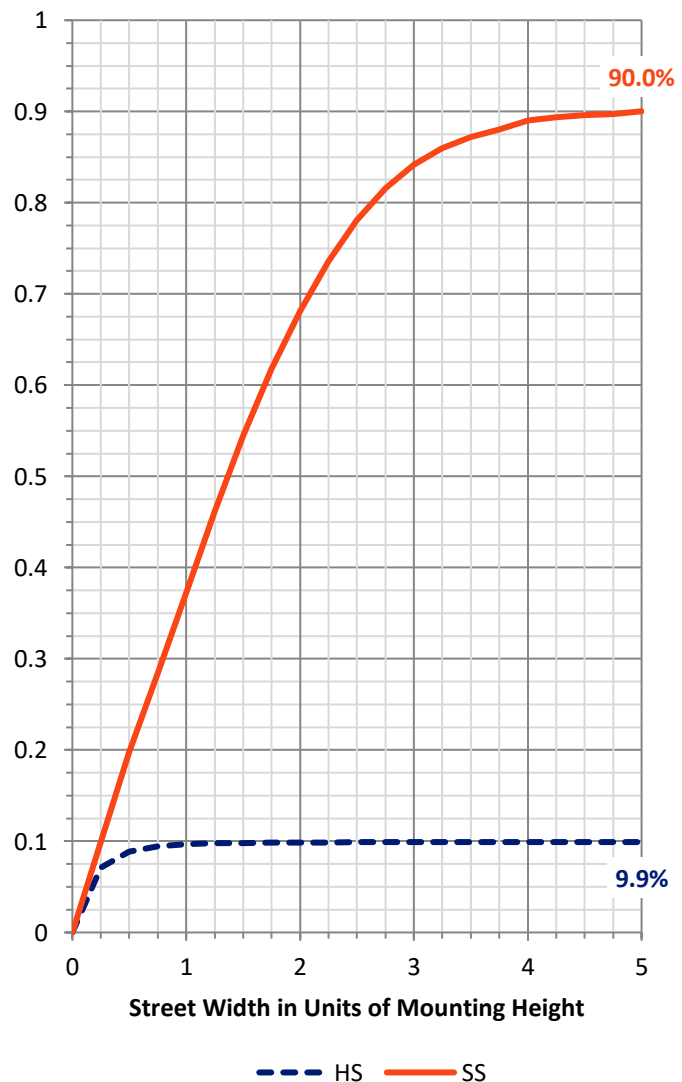
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.3	0.0	241.3
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	2171.5	0.0	2171.5
	% Fixture	90.0	0.0	90.0
Total	Lumens	2412.8	0.0	2412.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.9
10°-20°	65.4	2.7
20°-30°	102.0	4.2
30°-40°	145.2	6.0
40°-50°	249.9	10.4
50°-60°	461.7	19.1
60°-70°	775.5	32.1
70°-80°	560.8	23.2
80°-90°	31.6	1.3
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°	2412.8	100.0
0°-180°	2412.8	100.0

Coefficient of Utilization

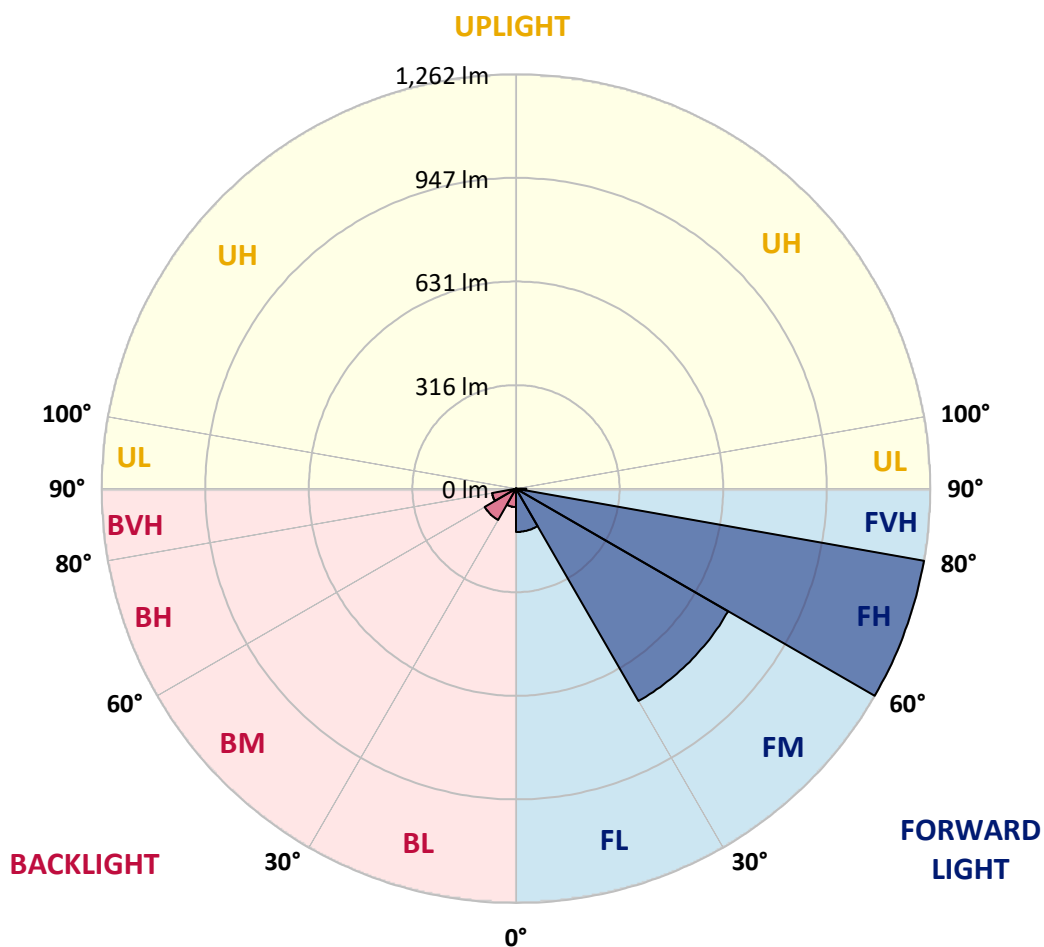


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.9	5.5			
FM (30°-60°)	746.7	30.9			
FH (60°-80°)	1262.0	52.3			G1/1800
FVH (80°-90°)	30.9	1.3			G1/100
BL (0°-30°)	56.2	2.3	B0/110		
BM (30°-60°)	110.1	4.6	B0/220		
BH (60°-80°)	74.3	3.1	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-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8
2.5°	226.5	223.4	223.4	223.4	220.2	215.5	215.5	213.9	210.8	206.1	202.9
5°	265.8	261.1	259.5	254.8	247.0	239.1	237.5	231.2	223.4	213.9	206.1
7.5°	298.9	297.3	294.1	286.3	276.8	264.3	261.1	253.2	240.7	228.1	215.5
10°	325.6	324.0	319.3	309.9	297.3	286.3	283.1	275.3	261.1	245.4	229.7
12.5°	347.6	346.1	339.8	327.2	314.6	303.6	300.4	294.1	280.0	264.3	243.8
15°	360.2	360.2	353.9	338.2	325.6	317.7	316.2	309.9	297.3	280.0	258.0
17.5°	360.2	358.6	352.3	338.2	330.3	327.2	325.6	322.5	311.4	295.7	272.1
20°	344.5	344.5	342.9	333.5	328.8	330.3	330.3	330.3	322.5	308.3	283.1
22.5°	331.9	330.3	330.3	324.0	325.6	331.9	331.9	333.5	328.8	317.7	294.1
25°	325.6	324.0	325.6	319.3	322.5	333.5	335.0	338.2	335.0	325.6	303.6
27.5°	324.0	322.5	324.0	319.3	324.0	335.0	338.2	342.9	339.8	328.8	309.9
30°	327.2	324.0	325.6	320.9	327.2	339.8	341.3	349.2	346.1	336.6	322.5
32.5°	342.9	335.0	333.5	325.6	333.5	344.5	347.6	357.1	360.2	349.2	335.0
35°	379.1	358.6	347.6	338.2	342.9	350.8	353.9	369.6	379.1	364.9	347.6
37.5°	426.3	398.0	372.8	357.1	355.5	363.4	366.5	385.4	399.5	385.4	366.5
40°	531.7	515.9	467.2	391.7	372.8	383.8	387.0	405.8	431.0	409.0	390.1
42.5°	685.8	671.7	615.0	489.2	398.0	404.3	407.4	429.4	459.3	442.0	420.0
45°	817.9	814.8	766.0	616.6	453.0	440.4	445.2	460.9	497.1	484.5	456.2
47.5°	862.0	862.0	863.6	751.9	549.0	482.9	486.0	506.5	549.0	539.5	508.1
50°	887.2	888.7	915.5	866.7	678.0	558.4	547.4	564.7	619.8	615.0	578.9
52.5°	961.1	964.2	983.1	967.4	833.7	665.4	644.9	641.8	714.1	722.0	678.0
55°	1052.3	1044.5	1049.2	1071.2	1000.4	799.1	762.9	744.0	833.7	862.0	816.4
57.5°	1107.4	1101.1	1131.0	1184.5	1175.0	950.1	898.2	869.9	991.0	1014.6	953.2
60°	1184.5	1176.6	1222.2	1299.3	1333.9	1112.1	1046.0	1019.3	1156.1	1145.1	1134.1
62.5°	1225.3	1233.2	1307.1	1404.7	1456.6	1289.8	1220.6	1195.5	1291.4	1289.8	1355.9
65°	1244.2	1253.7	1406.2	1505.3	1593.4	1456.6	1401.5	1341.7	1422.0	1434.6	1672.1
67.5°	1239.5	1253.7	1433.0	1650.1	1766.5	1610.7	1554.1	1486.5	1576.1	1609.2	1936.3
70°	1132.5	1137.3	1300.9	1662.6	1937.9	1937.9	1904.9	1782.2	1793.2	1683.1	1777.5
72.5°	784.9	784.9	980.0	1384.2	1893.9	2293.4	2277.7	2059.0	1845.1	1431.4	1097.9
75°	265.8	275.3	432.6	814.8	1519.5	2260.4	2266.7	1959.9	1466.0	821.1	366.5
77.5°	56.6	58.2	102.2	262.7	857.3	1598.1	1610.7	1278.8	725.1	251.7	67.6
80°	25.2	26.7	39.3	77.1	256.4	687.4	717.3	550.5	228.1	88.1	23.6
82.5°	9.4	11.0	20.4	40.9	108.5	160.4	171.5	149.4	91.2	64.5	12.6
85°	3.1	3.1	7.9	20.4	45.6	25.2	26.7	53.5	64.5	50.3	6.3
87.5°	0.0	0.0	3.1	6.3	9.4	6.3	6.3	11.0	33.0	36.2	1.6
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°	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.8
2.5°	201.3	199.8	196.6	193.5	190.3	187.2	185.6	185.6	184.0	184.0	184.0
5°	202.9	199.8	191.9	187.2	182.5	179.3	177.7	177.7	177.7	176.2	176.2
7.5°	209.2	204.5	193.5	185.6	179.3	174.6	171.5	169.9	169.9	169.9	171.5
10°	221.8	213.9	199.8	187.2	177.7	171.5	165.2	162.0	162.0	160.4	160.4
12.5°	234.4	223.4	206.1	190.3	179.3	169.9	155.7	138.4	127.4	121.1	119.5
15°	247.0	234.4	212.4	195.0	180.9	158.9	121.1	91.2	75.5	73.9	72.4
17.5°	259.5	245.4	220.2	199.8	174.6	122.7	75.5	59.8	58.2	62.9	62.9
20°	270.6	256.4	228.1	204.5	146.3	77.1	55.1	55.1	55.1	59.8	61.3
22.5°	281.6	267.4	235.9	199.8	105.4	55.1	51.9	53.5	53.5	58.2	58.2
25°	291.0	278.4	247.0	177.7	62.9	48.8	50.3	51.9	51.9	55.1	56.6
27.5°	298.9	289.4	258.0	143.1	47.2	45.6	47.2	48.8	48.8	51.9	53.5
30°	313.0	305.2	269.0	102.2	44.0	42.5	44.0	45.6	47.2	48.8	50.3
32.5°	328.8	322.5	270.6	62.9	42.5	40.9	39.3	40.9	44.0	45.6	47.2
35°	347.6	346.1	259.5	45.6	40.9	37.8	37.8	36.2	37.8	40.9	42.5
37.5°	369.6	371.2	237.5	42.5	39.3	36.2	34.6	33.0	31.5	33.0	33.0
40°	394.8	401.1	204.5	40.9	37.8	34.6	31.5	28.3	25.2	23.6	25.2
42.5°	432.6	440.4	162.0	39.3	37.8	33.0	28.3	23.6	18.9	17.3	17.3
45°	470.3	484.5	116.4	39.3	37.8	29.9	23.6	17.3	12.6	11.0	11.0
47.5°	522.2	534.8	72.4	39.3	39.3	26.7	18.9	12.6	9.4	7.9	7.9
50°	600.9	593.0	51.9	37.8	37.8	22.0	14.2	9.4	6.3	6.3	7.9
52.5°	718.8	668.5	44.0	36.2	36.2	18.9	9.4	7.9	6.3	6.3	6.3
55°	891.9	747.2	40.9	33.0	29.9	14.2	7.9	6.3	4.7	4.7	4.7
57.5°	1038.2	800.6	34.6	28.3	20.4	11.0	7.9	6.3	4.7	3.1	3.1
60°	1222.2	846.3	26.7	22.0	14.2	9.4	7.9	6.3	4.7	3.1	3.1
62.5°	1412.5	882.4	18.9	15.7	11.0	7.9	6.3	4.7	3.1	1.6	1.6
65°	1601.3	907.6	14.2	11.0	7.9	6.3	4.7	3.1	3.1	1.6	1.6
67.5°	1675.2	858.8	12.6	9.4	6.3	6.3	4.7	3.1	1.6	1.6	0.0
70°	1395.2	630.8	11.0	7.9	6.3	4.7	3.1	1.6	1.6	0.0	0.0
72.5°	758.2	305.2	9.4	7.9	4.7	3.1	3.1	1.6	1.6	0.0	0.0
75°	217.1	64.5	7.9	6.3	4.7	3.1	1.6	1.6	1.6	0.0	0.0
77.5°	42.5	15.7	6.3	4.7	3.1	1.6	1.6	1.6	0.0	0.0	0.0
80°	18.9	9.4	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
82.5°	9.4	6.3	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
85°	3.1	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	0.0	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)