

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: P565386

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T3R-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565386
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-T3R-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T3R distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

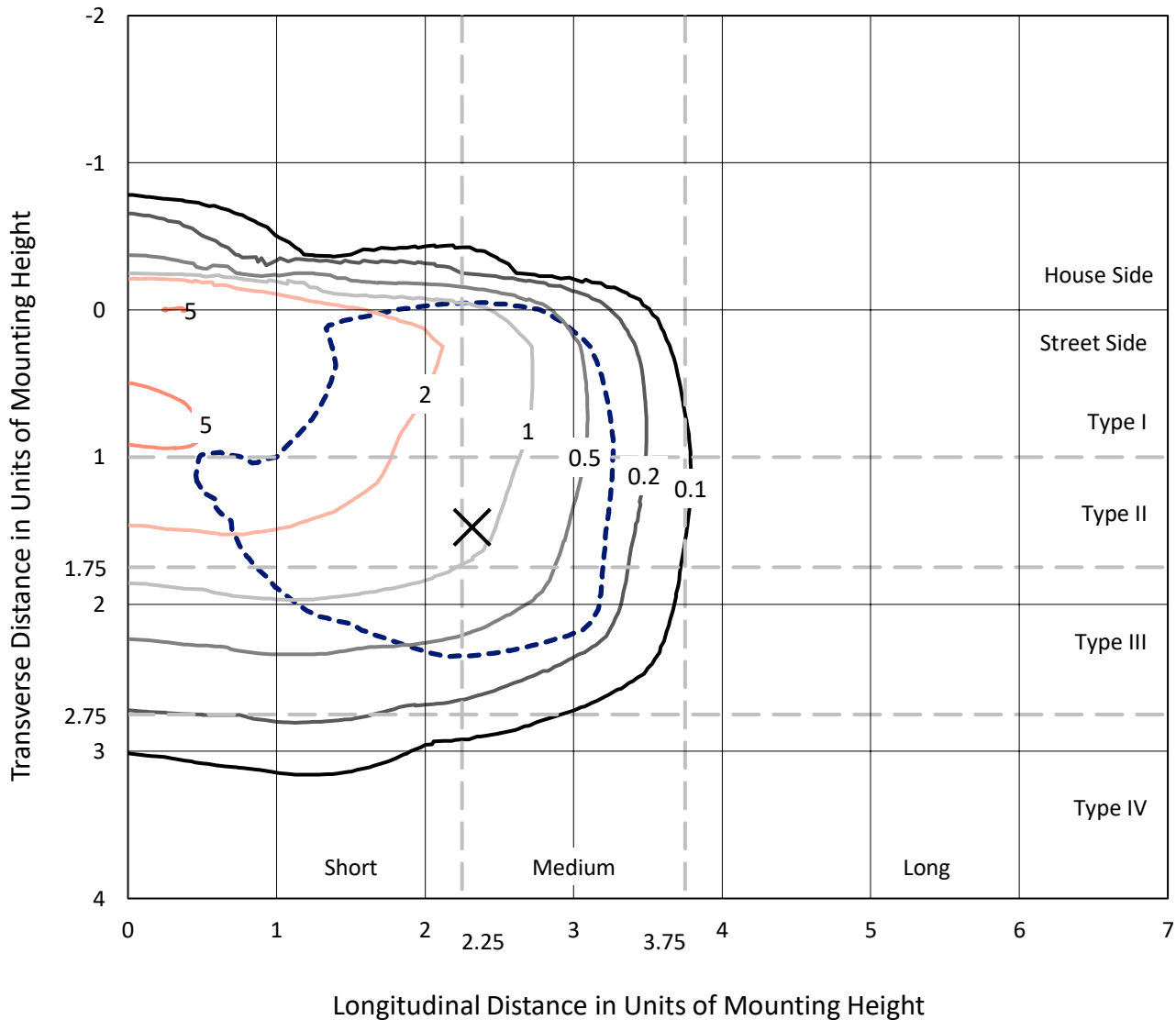
Lumens per Lamp: N/A
Luminaire Lumens: 3145.9 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 83
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

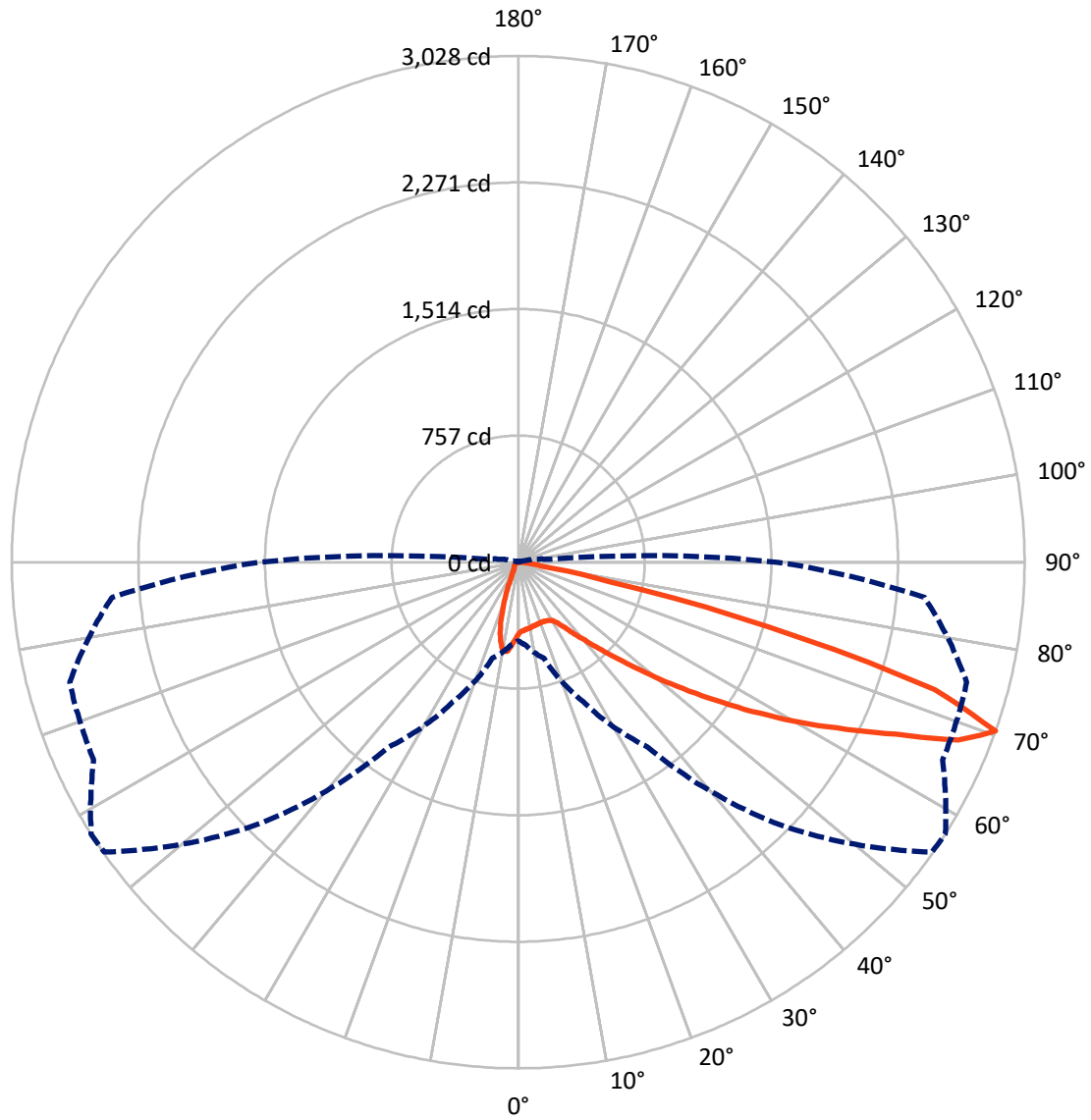
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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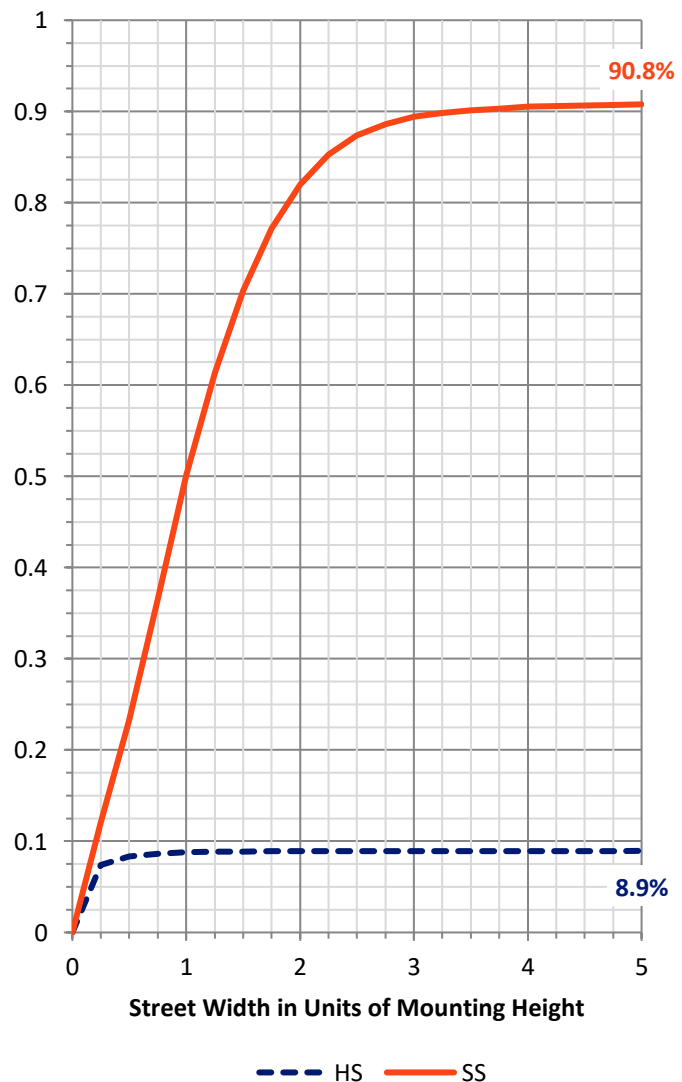
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.9	0.0	282.9
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2863.0	0.0	2863.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	3145.9	0.0	3145.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	1.3
10°-20°	97.6	3.1
20°-30°	155.5	4.9
30°-40°	285.9	9.1
40°-50°	470.8	15.0
50°-60°	694.7	22.1
60°-70°	961.8	30.6
70°-80°	426.1	13.5
80°-90°	12.3	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°	3145.9	100.0
0°-180°	3145.9	100.0

Coefficient of Utilization



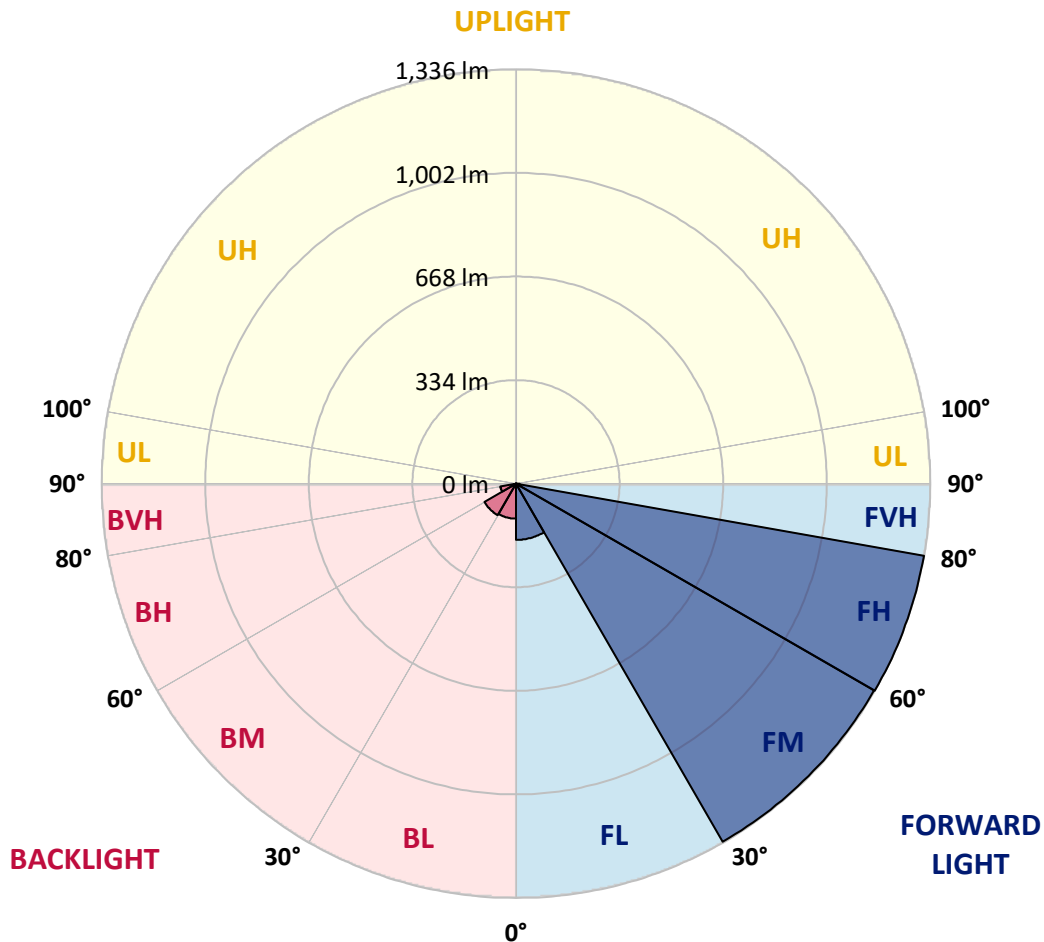
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.3	5.8			
FM (30°-60°)	1333.8	42.4			
FH (60°-80°)	1336.5	42.5			G1/1800
FVH (80°-90°)	11.4	0.4			G1/100
BL (0°-30°)	112.9	3.6	B1/500		
BM (30°-60°)	117.6	3.7	B0/220		
BH (60°-80°)	51.4	1.6	B0/110		G0/110
BVH (80°-90°)	0.9	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8
2.5°	395.0	396.8	398.7	400.6	404.4	406.3	413.8	413.8	417.5	421.3	432.6
5°	361.1	363.0	366.8	376.2	385.6	395.0	406.3	408.1	415.7	428.8	442.0
7.5°	325.4	327.3	334.8	342.3	357.4	376.2	398.7	402.5	419.4	438.2	458.9
10°	299.0	297.2	302.8	310.3	327.3	357.4	391.2	398.7	425.1	451.4	481.5
12.5°	289.6	289.6	291.5	297.2	308.5	338.5	383.7	393.1	426.9	466.4	507.8
15°	282.1	282.1	284.0	285.9	299.0	327.3	378.0	391.2	432.6	481.5	530.4
17.5°	280.2	278.4	278.4	278.4	289.6	319.7	372.4	387.4	440.1	494.7	549.2
20°	300.9	297.2	285.9	280.2	285.9	312.2	370.5	385.6	445.8	504.1	558.6
22.5°	400.6	387.4	355.5	314.1	293.4	310.3	366.8	385.6	451.4	513.5	568.0
25°	584.9	566.1	504.1	413.8	338.5	319.7	368.6	389.3	458.9	519.1	575.5
27.5°	778.7	761.7	692.1	564.2	425.1	347.9	374.3	395.0	470.2	532.3	596.2
30°	932.9	927.2	859.5	722.2	547.3	415.7	391.2	406.3	489.0	558.6	622.5
32.5°	1047.6	1045.7	993.1	868.9	684.6	504.1	428.8	436.3	521.0	577.4	641.4
35°	1137.9	1132.2	1090.9	989.3	821.9	613.1	487.1	479.6	547.3	598.1	662.0
37.5°	1194.3	1200.0	1179.3	1105.9	953.6	731.6	568.0	545.4	569.9	616.9	697.8
40°	1220.6	1230.0	1265.8	1245.1	1102.2	853.9	643.2	613.1	607.5	656.4	758.0
42.5°	1235.7	1254.5	1333.5	1376.7	1256.4	983.7	741.0	703.4	673.3	718.5	842.6
45°	1277.1	1295.9	1380.5	1463.3	1389.9	1115.3	852.0	810.6	761.7	797.5	955.4
47.5°	1307.2	1324.1	1399.3	1510.3	1476.4	1248.9	985.5	942.3	882.1	900.9	1092.7
50°	1331.6	1348.5	1435.1	1529.1	1525.3	1361.7	1134.1	1098.4	1038.2	1040.1	1252.6
52.5°	1320.3	1344.8	1440.7	1534.7	1531.0	1436.9	1320.3	1280.8	1228.2	1231.9	1453.9
55°	1102.2	1141.6	1389.9	1523.5	1555.4	1510.3	1508.4	1478.3	1455.7	1467.0	1655.1
57.5°	1032.6	1053.2	1226.3	1514.0	1621.3	1643.8	1709.6	1707.8	1700.2	1709.6	1798.0
60°	994.9	1019.4	1171.7	1512.2	1732.2	1841.3	1950.4	1946.6	1924.1	1941.0	2006.8
62.5°	902.8	929.1	1094.6	1474.5	1835.7	2070.8	2209.9	2200.5	2151.6	2217.5	2309.6
65°	786.2	812.5	979.9	1354.2	1867.6	2264.5	2484.5	2482.7	2435.6	2565.4	2648.2
67.5°	641.4	667.7	808.7	1200.0	1707.8	2369.8	2840.0	2840.0	2738.4	2862.6	2794.9
70°	470.2	498.4	596.2	921.6	1350.4	2226.9	3022.5	3028.1	2800.5	2776.1	2439.4
72.5°	238.9	270.8	406.3	622.5	900.9	1756.7	2618.1	2604.9	2307.7	1961.7	1442.6
75°	99.7	112.8	214.4	353.6	376.2	868.9	1564.8	1544.1	1166.1	837.0	475.8
77.5°	43.3	45.1	82.8	148.6	122.3	214.4	575.5	558.6	378.0	195.6	107.2
80°	32.0	37.6	69.6	65.8	43.3	56.4	139.2	137.3	90.3	48.9	30.1
82.5°	15.0	20.7	54.5	41.4	18.8	24.5	48.9	48.9	35.7	24.5	15.0
85°	5.6	7.5	32.0	26.3	9.4	7.5	20.7	20.7	16.9	11.3	5.6
87.5°	0.0	0.0	15.0	7.5	3.8	1.9	3.8	3.8	3.8	3.8	3.8
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°	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8
2.5°	436.3	440.1	445.8	455.2	460.8	466.4	466.4	472.1	470.2	472.1	470.2
5°	451.4	457.0	477.7	492.8	500.3	507.8	500.3	496.5	490.9	483.4	481.5
7.5°	474.0	489.0	524.7	537.9	537.9	513.5	477.7	447.6	428.8	415.7	408.1
10°	505.9	528.5	566.1	571.8	532.3	458.9	393.1	344.2	317.9	295.3	291.5
12.5°	534.1	564.2	605.6	571.8	470.2	372.4	287.8	218.2	186.2	165.5	161.7
15°	564.2	603.7	631.9	537.9	393.1	267.1	173.0	107.2	86.5	79.0	77.1
17.5°	592.5	639.5	641.4	475.8	299.0	161.7	82.8	65.8	62.1	63.9	63.9
20°	613.1	662.0	616.9	402.5	193.7	82.8	62.1	60.2	60.2	60.2	60.2
22.5°	631.9	677.1	573.6	314.1	109.1	60.2	58.3	58.3	58.3	58.3	58.3
25°	645.1	684.6	513.5	220.1	63.9	54.5	54.5	54.5	54.5	56.4	56.4
27.5°	669.6	694.0	455.2	133.5	52.7	50.8	50.8	50.8	50.8	52.7	52.7
30°	697.8	703.4	393.1	75.2	48.9	45.1	45.1	45.1	45.1	45.1	45.1
32.5°	718.5	697.8	310.3	54.5	45.1	41.4	39.5	37.6	35.7	35.7	35.7
35°	744.8	695.9	221.9	48.9	43.3	37.6	33.9	32.0	28.2	26.3	26.3
37.5°	780.5	684.6	141.1	45.1	39.5	33.9	30.1	26.3	20.7	20.7	20.7
40°	829.4	677.1	90.3	43.3	37.6	32.0	24.5	20.7	16.9	16.9	16.9
42.5°	895.3	665.8	62.1	41.4	35.7	28.2	20.7	16.9	13.2	11.3	11.3
45°	953.6	643.2	50.8	39.5	32.0	24.5	16.9	13.2	9.4	9.4	9.4
47.5°	1008.1	601.9	47.0	35.7	28.2	18.8	13.2	9.4	7.5	7.5	7.5
50°	1081.5	541.7	45.1	33.9	24.5	15.0	11.3	7.5	7.5	7.5	7.5
52.5°	1168.0	477.7	41.4	30.1	20.7	13.2	9.4	7.5	5.6	5.6	5.6
55°	1252.6	402.5	35.7	26.3	18.8	11.3	7.5	7.5	5.6	5.6	3.8
57.5°	1316.6	353.6	30.1	22.6	15.0	9.4	7.5	5.6	5.6	3.8	3.8
60°	1436.9	353.6	24.5	18.8	13.2	9.4	7.5	5.6	3.8	3.8	3.8
62.5°	1621.3	370.5	18.8	15.0	9.4	7.5	5.6	5.6	3.8	1.9	1.9
65°	1830.0	370.5	16.9	11.3	7.5	5.6	5.6	3.8	1.9	1.9	1.9
67.5°	1875.2	316.0	15.0	9.4	5.6	5.6	3.8	3.8	1.9	0.0	0.0
70°	1551.7	188.1	13.2	7.5	5.6	3.8	3.8	1.9	0.0	0.0	0.0
72.5°	880.2	75.2	11.3	5.6	3.8	3.8	1.9	1.9	0.0	0.0	0.0
75°	270.8	28.2	9.4	5.6	3.8	1.9	1.9	1.9	0.0	0.0	0.0
77.5°	60.2	16.9	7.5	3.8	3.8	1.9	1.9	0.0	0.0	0.0	0.0
80°	20.7	11.3	7.5	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0
82.5°	11.3	7.5	7.5	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0
85°	5.6	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	1.9	1.9	1.9	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)