

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: P565394

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T4FT-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565394
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-T4FT-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4FT distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

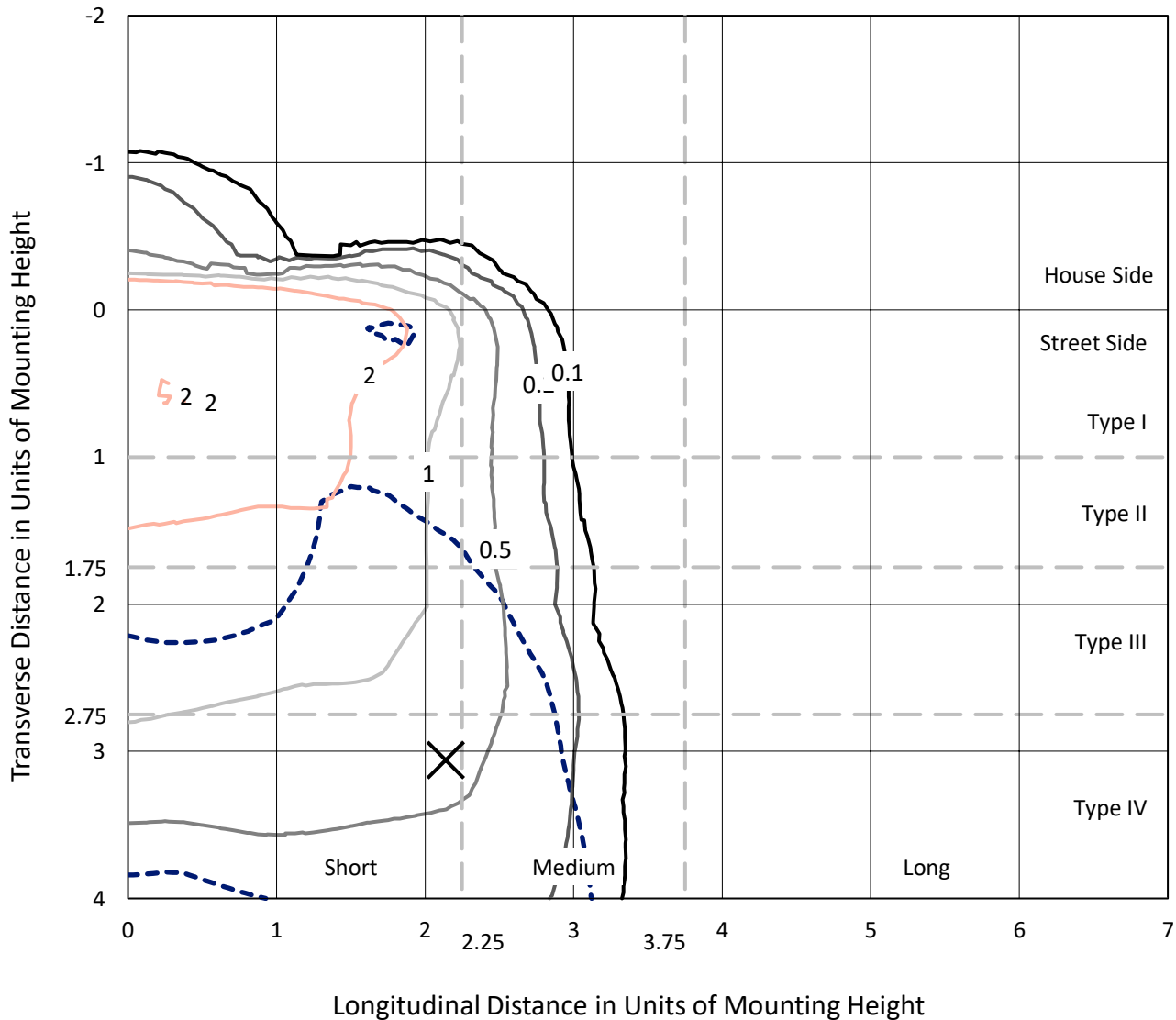
Lumens per Lamp: N/A
Luminaire Lumens: 3174.2 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

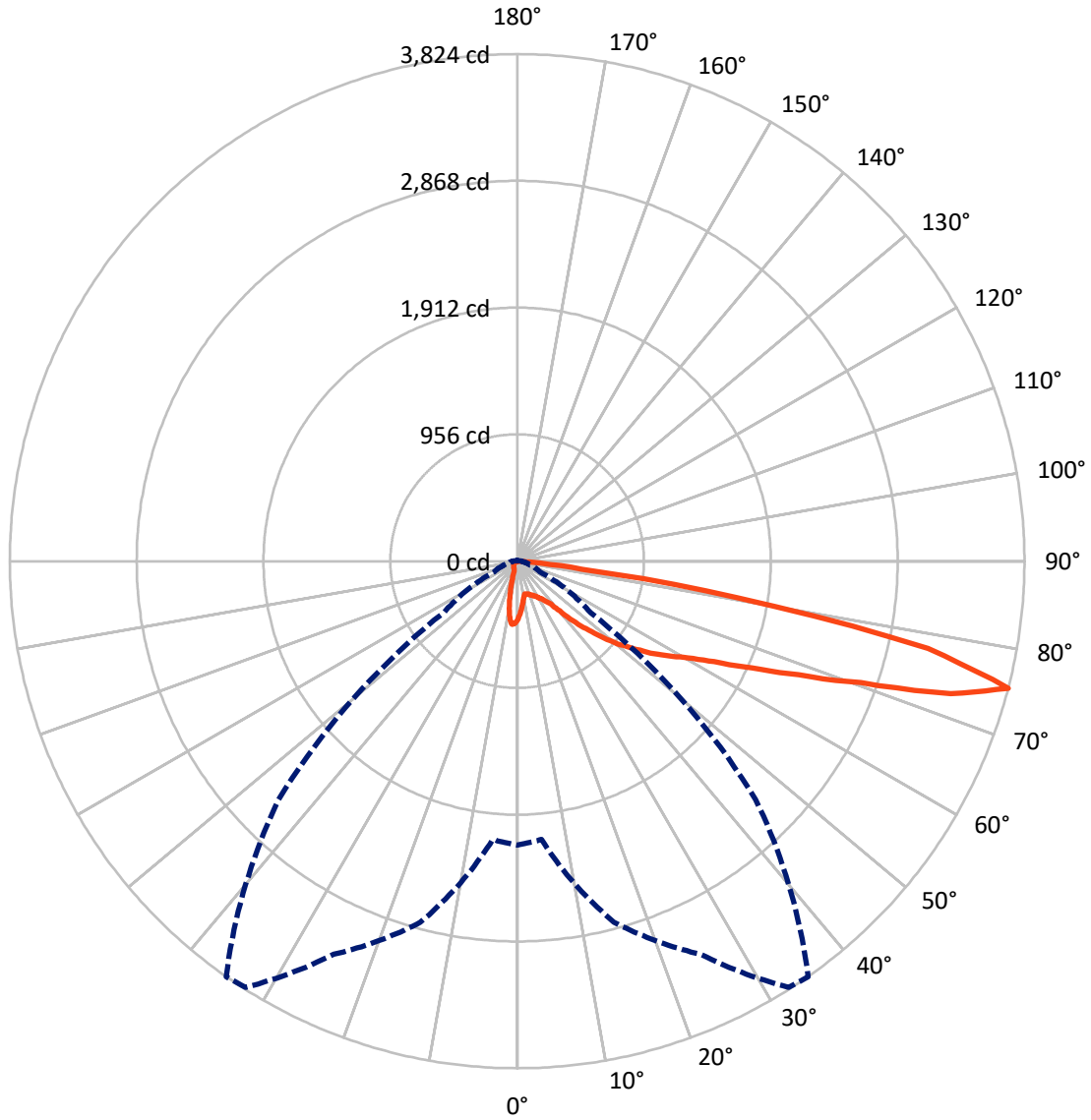
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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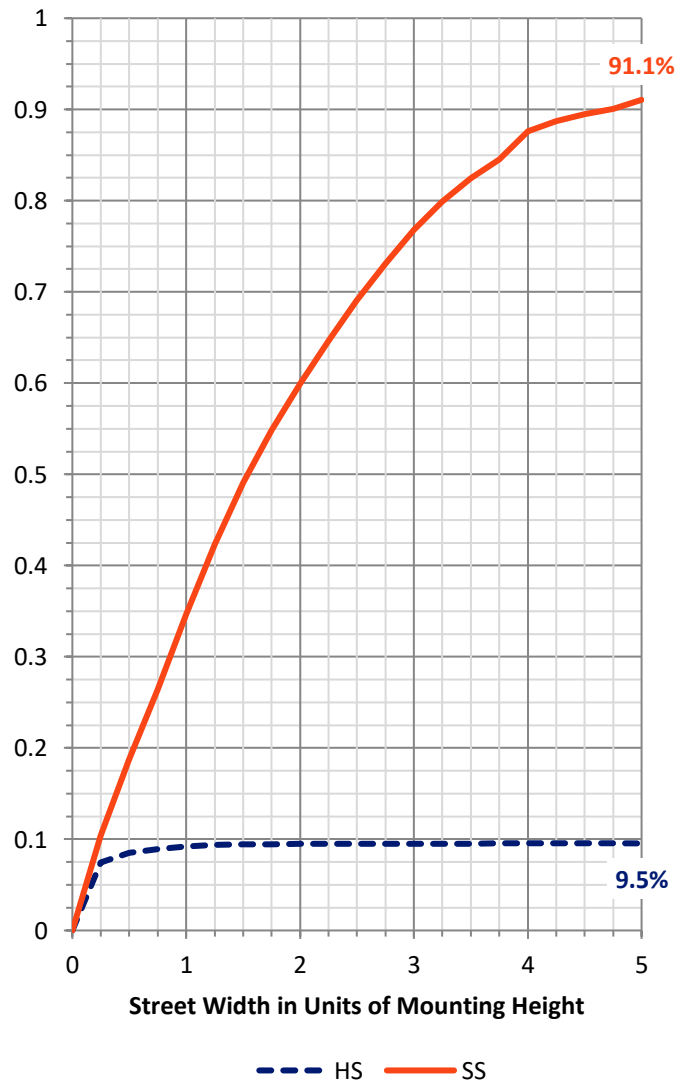
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	304.9	0.0	304.9
	% Fixture	9.6	0.0	9.6
Street Side	Lumens	2869.3	0.0	2869.3
	% Fixture	90.4	0.0	90.4
Total	Lumens	3174.2	0.0	3174.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	1.2
10°-20°	83.2	2.6
20°-30°	122.1	3.8
30°-40°	196.4	6.2
40°-50°	370.1	11.7
50°-60°	634.6	20.0
60°-70°	899.3	28.3
70°-80°	779.1	24.5
80°-90°	51.1	1.6
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°	3174.2	100.0
0°-180°	3174.2	100.0

Coefficient of Utilization

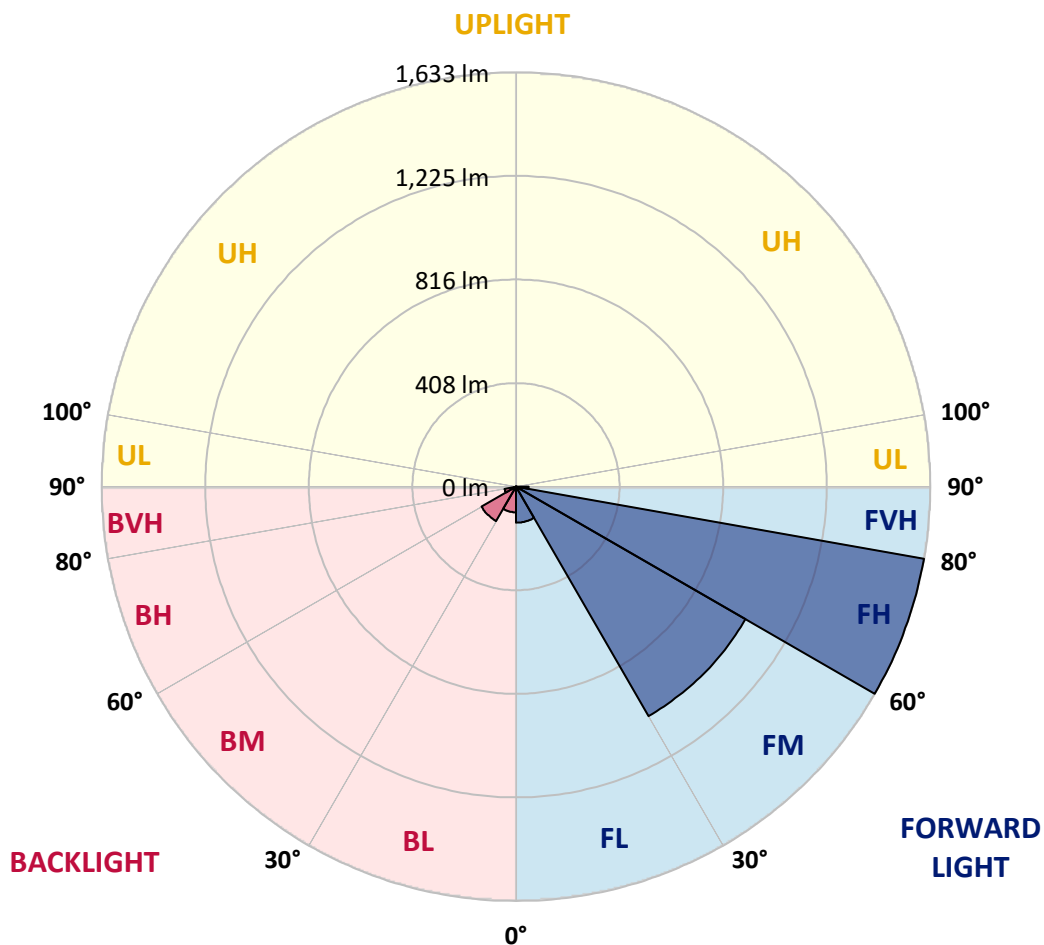


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.2	4.5			
FM (30°-60°)	1044.1	32.9			
FH (60°-80°)	1632.8	51.4			G1/1800
FVH (80°-90°)	50.1	1.6			G1/100
BL (0°-30°)	101.3	3.2	B0/110		
BM (30°-60°)	157.0	4.9	B0/220		
BH (60°-80°)	45.6	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	32.5°	35°	45°	55°	65°	75°	85°
0°	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1
2.5°	385.2	393.8	395.9	395.9	395.9	400.2	402.4	415.3	423.9	426.1	441.1
5°	331.4	333.5	340.0	346.5	352.9	357.2	368.0	380.9	400.2	423.9	436.8
7.5°	286.2	281.9	288.4	294.8	305.6	312.0	335.7	357.2	378.7	404.6	439.0
10°	249.6	247.5	249.6	258.2	269.0	277.6	299.1	331.4	363.7	406.7	439.0
12.5°	243.2	238.9	234.6	241.0	251.8	253.9	281.9	318.5	355.1	395.9	447.6
15°	247.5	243.2	236.7	241.0	247.5	258.2	277.6	307.7	350.8	404.6	456.2
17.5°	260.4	260.4	247.5	245.3	256.1	258.2	286.2	314.2	348.6	402.4	469.1
20°	273.3	269.0	249.6	253.9	262.5	271.1	288.4	318.5	348.6	402.4	477.7
22.5°	294.8	286.2	260.4	262.5	271.1	275.4	301.3	329.2	357.2	404.6	490.6
25°	309.9	303.4	273.3	275.4	281.9	292.7	312.0	342.1	365.8	408.9	514.3
27.5°	322.8	320.6	292.7	286.2	294.8	299.1	329.2	361.5	383.0	428.2	535.8
30°	340.0	335.7	309.9	301.3	309.9	322.8	344.3	383.0	406.7	447.6	583.2
32.5°	363.7	357.2	329.2	318.5	333.5	337.8	372.3	419.6	439.0	473.4	624.0
35°	443.3	432.5	383.0	350.8	355.1	370.1	408.9	456.2	475.6	505.7	677.8
37.5°	576.7	568.1	494.9	428.2	404.6	411.0	454.0	503.5	525.1	555.2	766.1
40°	716.6	697.2	645.6	553.0	501.4	492.8	503.5	572.4	593.9	619.7	871.5
42.5°	837.1	804.8	738.1	684.3	641.3	615.4	583.2	643.4	680.0	680.0	974.8
45°	918.9	873.7	815.6	774.7	735.9	727.3	690.8	738.1	783.3	781.1	1075.9
47.5°	955.4	940.4	895.2	884.4	860.7	845.7	824.2	878.0	895.2	875.8	1198.6
50°	1017.8	985.6	961.9	974.8	977.0	977.0	985.6	1024.3	1035.1	994.2	1364.3
52.5°	1067.3	1060.9	1039.4	1069.5	1088.8	1091.0	1153.4	1200.7	1172.8	1136.2	1540.7
55°	1125.4	1103.9	1108.2	1153.4	1194.3	1222.3	1319.1	1400.9	1314.8	1265.3	1712.9
57.5°	1181.4	1140.5	1200.7	1245.9	1301.9	1344.9	1532.1	1588.1	1379.4	1381.5	1885.0
60°	1263.2	1218.0	1278.2	1353.5	1428.8	1478.3	1764.5	1760.2	1448.2	1471.9	2048.6
62.5°	1456.8	1388.0	1398.7	1480.5	1592.4	1667.7	1999.1	1839.9	1443.9	1532.1	2027.1
65°	1792.5	1728.0	1652.6	1663.4	1857.1	1943.1	2190.6	1876.4	1446.1	1493.4	1747.3
67.5°	2184.2	2085.2	2014.2	1994.8	2177.7	2289.6	2375.7	1861.4	1403.0	1230.9	1162.0
70°	2610.2	2532.8	2504.8	2552.1	2724.3	2747.9	2668.3	1854.9	1149.1	708.0	477.7
72.5°	2754.4	2760.9	2917.9	3137.4	3404.3	3417.2	2976.0	1478.3	561.6	221.6	114.0
75°	2141.1	2106.7	2819.0	3270.8	3811.0	3823.9	2541.4	675.7	189.4	90.4	40.9
77.5°	643.4	602.5	1336.3	2416.6	3167.6	3165.4	1297.6	198.0	99.0	71.0	25.8
80°	124.8	127.0	241.0	841.4	1700.0	1676.3	357.2	88.2	73.2	58.1	15.1
82.5°	28.0	28.0	68.9	206.6	454.0	490.6	92.5	58.1	53.8	49.5	10.8
85°	4.3	4.3	17.2	64.6	101.1	92.5	30.1	32.3	40.9	36.6	6.5
87.5°	0.0	0.0	6.5	19.4	28.0	23.7	8.6	10.8	21.5	21.5	2.2
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°	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1	441.1
2.5°	447.6	449.7	449.7	460.5	460.5	464.8	467.0	469.1	467.0	467.0	464.8
5°	447.6	449.7	462.7	475.6	479.9	477.7	479.9	477.7	475.6	469.1	467.0
7.5°	449.7	460.5	475.6	479.9	482.0	467.0	445.4	428.2	402.4	389.5	391.6
10°	451.9	471.3	490.6	484.2	458.3	408.9	363.7	320.6	288.4	271.1	266.8
12.5°	471.3	482.0	497.1	473.4	406.7	329.2	258.2	202.3	167.8	144.2	150.6
15°	477.7	494.9	510.0	449.7	333.5	232.4	150.6	99.0	79.6	75.3	77.5
17.5°	494.9	512.1	505.7	400.2	260.4	137.7	79.6	68.9	66.7	66.7	66.7
20°	512.1	527.2	505.7	346.5	178.6	75.3	64.6	64.6	64.6	64.6	64.6
22.5°	527.2	548.7	482.0	277.6	96.8	62.4	60.3	62.4	62.4	62.4	60.3
25°	557.3	576.7	462.7	206.6	64.6	58.1	60.3	60.3	62.4	60.3	60.3
27.5°	589.6	615.4	423.9	131.3	55.9	55.9	58.1	60.3	60.3	60.3	60.3
30°	637.0	628.3	383.0	77.5	51.6	49.5	53.8	58.1	60.3	60.3	60.3
32.5°	680.0	664.9	331.4	53.8	47.3	47.3	49.5	55.9	60.3	60.3	60.3
35°	755.3	705.8	269.0	49.5	45.2	45.2	45.2	51.6	58.1	60.3	60.3
37.5°	830.6	751.0	198.0	45.2	43.0	43.0	43.0	47.3	53.8	60.3	58.1
40°	925.3	794.0	127.0	43.0	43.0	40.9	40.9	43.0	45.2	55.9	55.9
42.5°	1030.7	819.9	77.5	43.0	40.9	38.7	38.7	38.7	43.0	47.3	47.3
45°	1080.2	815.6	55.9	40.9	38.7	38.7	36.6	36.6	36.6	38.7	38.7
47.5°	1159.9	804.8	45.2	38.7	36.6	36.6	34.4	32.3	34.4	30.1	28.0
50°	1258.8	822.0	38.7	36.6	34.4	34.4	30.1	28.0	28.0	21.5	21.5
52.5°	1342.8	819.9	32.3	32.3	34.4	34.4	28.0	25.8	21.5	17.2	17.2
55°	1476.2	815.6	28.0	28.0	30.1	28.0	23.7	19.4	15.1	12.9	10.8
57.5°	1601.0	817.7	25.8	23.7	25.8	23.7	19.4	15.1	12.9	8.6	8.6
60°	1691.4	781.1	23.7	19.4	19.4	17.2	15.1	10.8	8.6	6.5	4.3
62.5°	1656.9	716.6	19.4	15.1	15.1	15.1	10.8	8.6	6.5	2.2	2.2
65°	1390.1	540.1	15.1	12.9	10.8	10.8	8.6	6.5	4.3	2.2	0.0
67.5°	867.2	284.0	12.9	8.6	8.6	8.6	6.5	4.3	2.2	0.0	0.0
70°	318.5	103.3	12.9	8.6	6.5	6.5	4.3	4.3	2.2	0.0	0.0
72.5°	77.5	34.4	10.8	8.6	6.5	6.5	4.3	2.2	2.2	0.0	0.0
75°	32.3	17.2	8.6	6.5	6.5	4.3	4.3	2.2	0.0	0.0	0.0
77.5°	19.4	12.9	8.6	6.5	4.3	4.3	2.2	2.2	0.0	0.0	0.0
80°	12.9	10.8	6.5	6.5	4.3	2.2	2.2	2.2	0.0	0.0	0.0
82.5°	10.8	8.6	6.5	4.3	4.3	2.2	2.2	2.2	0.0	0.0	0.0
85°	4.3	4.3	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	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)