

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: P565387

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T3R-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565387
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-T3R-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T3R distribution lens and House Side Shield
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

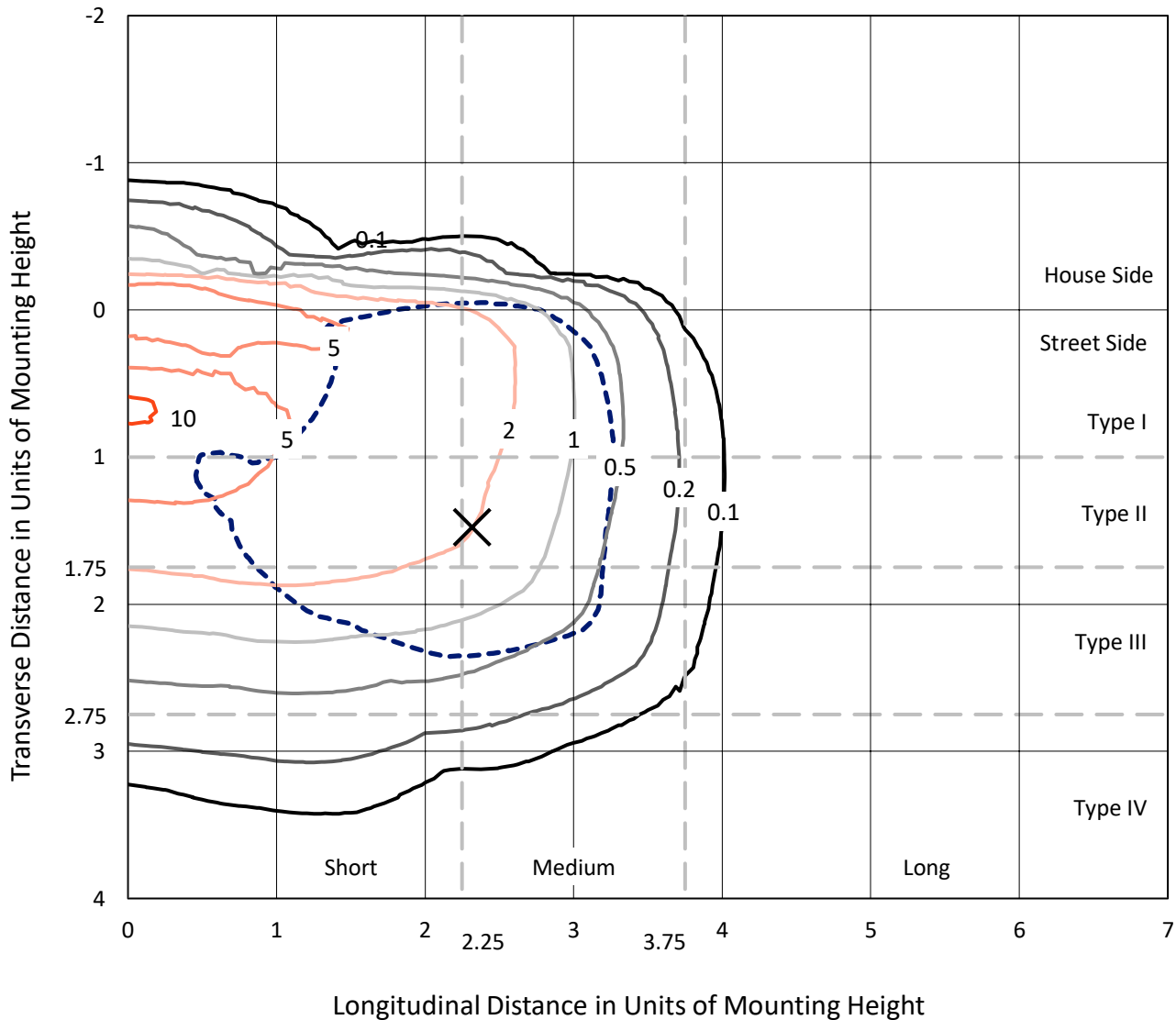
Lumens per Lamp: N/A
Luminaire Lumens: 5332 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5
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

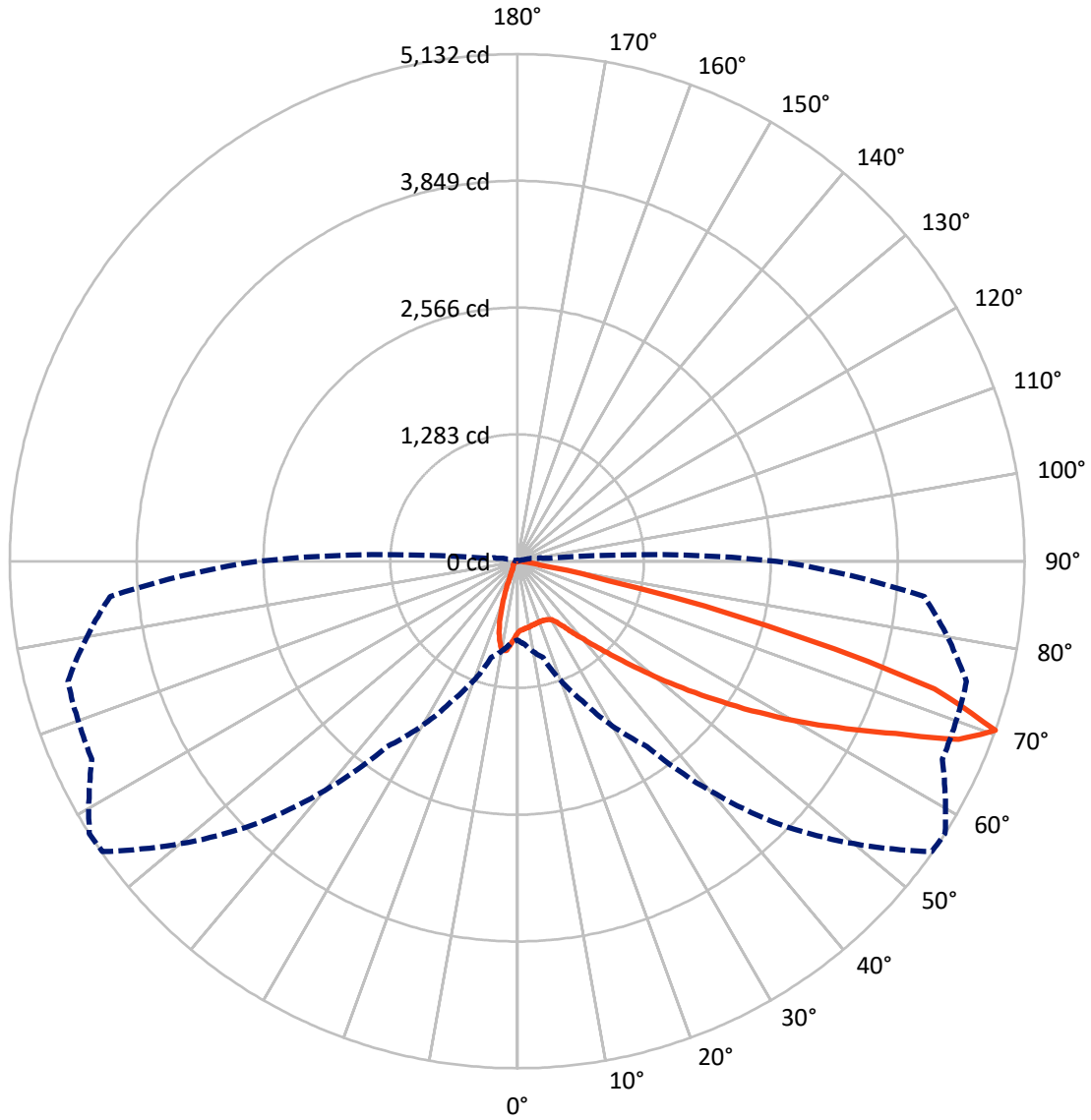
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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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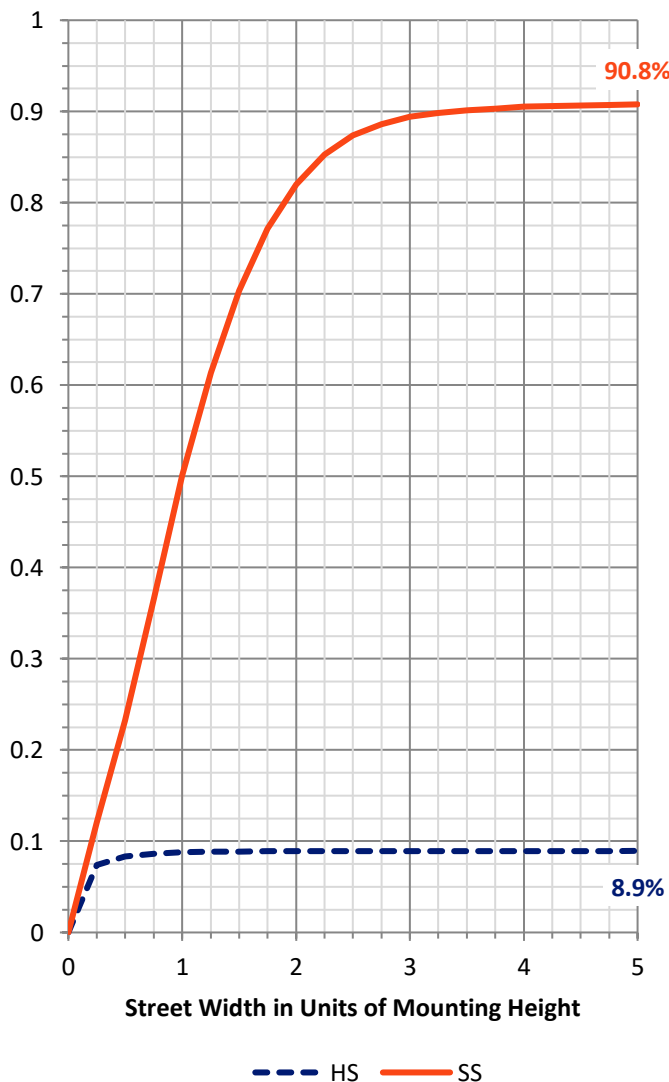
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.5	0.0	479.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4852.6	0.0	4852.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	5332.0	0.0	5332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	1.3
10°-20°	165.4	3.1
20°-30°	263.5	4.9
30°-40°	484.6	9.1
40°-50°	798.0	15.0
50°-60°	1177.5	22.1
60°-70°	1630.2	30.6
70°-80°	722.2	13.5
80°-90°	20.9	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°	5332.0	100.0
0°-180°	5332.0	100.0

Coefficient of Utilization

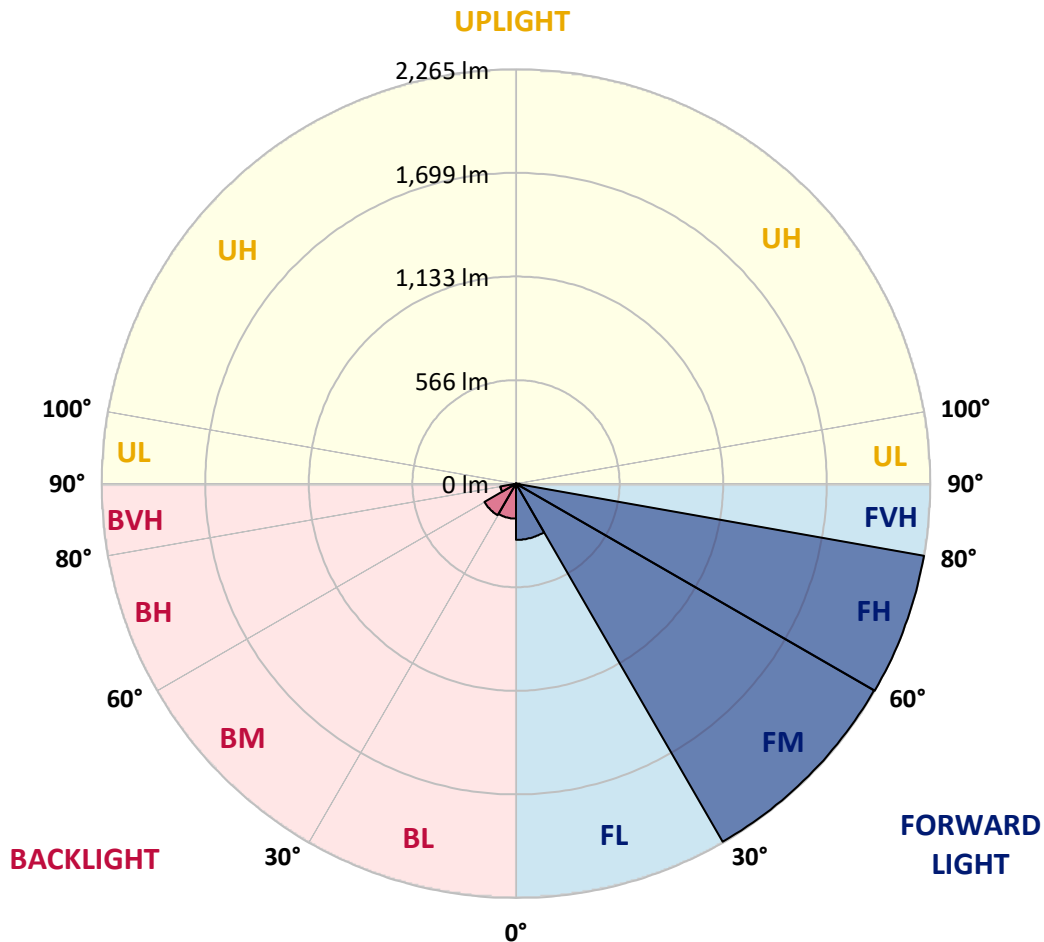


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.2	5.8			
FM (30°-60°)	2260.8	42.4			
FH (60°-80°)	2265.2	42.5			G2/5000
FVH (80°-90°)	19.3	0.4			G1/100
BL (0°-30°)	191.4	3.6	B1/500		
BM (30°-60°)	199.3	3.7	B0/220		
BH (60°-80°)	87.2	1.6	B0/110		G0/110
BVH (80°-90°)	1.6	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	669.4	672.6	675.8	679.0	685.4	688.6	701.3	701.3	707.7	714.1	733.2
5°	612.1	615.2	621.6	637.6	653.5	669.4	688.6	691.8	704.5	726.8	749.1
7.5°	551.5	554.7	567.4	580.2	605.7	637.6	675.8	682.2	710.9	742.8	777.8
10°	506.9	503.7	513.2	526.0	554.7	605.7	663.1	675.8	720.4	765.1	816.1
12.5°	490.9	490.9	494.1	503.7	522.8	573.8	650.3	666.2	723.6	790.6	860.7
15°	478.2	478.2	481.4	484.5	506.9	554.7	640.7	663.1	733.2	816.1	899.0
17.5°	475.0	471.8	471.8	471.8	490.9	541.9	631.2	656.7	745.9	838.4	930.8
20°	510.0	503.7	484.5	475.0	484.5	529.2	628.0	653.5	755.5	854.3	946.8
22.5°	679.0	656.7	602.5	532.4	497.3	526.0	621.6	653.5	765.1	870.3	962.7
25°	991.4	959.5	854.3	701.3	573.8	541.9	624.8	659.9	777.8	879.8	975.5
27.5°	1319.7	1291.1	1173.1	956.3	720.4	589.7	634.4	669.4	796.9	902.1	1010.5
30°	1581.1	1571.6	1456.8	1224.1	927.6	704.5	663.1	688.6	828.8	946.8	1055.2
32.5°	1775.6	1772.4	1683.2	1472.8	1160.4	854.3	726.8	739.6	883.0	978.7	1087.0
35°	1928.6	1919.1	1848.9	1676.8	1393.1	1039.2	825.6	812.9	927.6	1013.7	1122.1
37.5°	2024.2	2033.8	1998.7	1874.4	1616.2	1240.1	962.7	924.5	965.9	1045.6	1182.7
40°	2068.9	2084.8	2145.4	2110.3	1868.0	1447.3	1090.2	1039.2	1029.7	1112.5	1284.7
42.5°	2094.4	2126.3	2260.1	2333.5	2129.4	1667.2	1256.0	1192.2	1141.2	1217.7	1428.1
45°	2164.5	2196.4	2339.8	2480.1	2355.8	1890.4	1444.1	1373.9	1291.1	1351.6	1619.4
47.5°	2215.5	2244.2	2371.7	2559.8	2502.4	2116.7	1670.4	1597.1	1495.1	1527.0	1852.1
50°	2257.0	2285.6	2432.3	2591.7	2585.3	2308.0	1922.2	1861.7	1759.7	1762.8	2123.1
52.5°	2237.8	2279.3	2441.8	2601.2	2594.9	2435.5	2237.8	2170.9	2081.6	2088.0	2464.2
55°	1868.0	1935.0	2355.8	2582.1	2636.3	2559.8	2556.6	2505.6	2467.4	2486.5	2805.3
57.5°	1750.1	1785.2	2078.4	2566.2	2747.9	2786.1	2897.7	2894.5	2881.8	2897.7	3047.5
60°	1686.3	1727.8	1986.0	2563.0	2936.0	3120.8	3305.7	3299.4	3261.1	3289.8	3401.4
62.5°	1530.1	1574.8	1855.3	2499.2	3111.3	3509.8	3745.7	3729.7	3646.8	3758.4	3914.6
65°	1332.5	1377.1	1660.8	2295.2	3165.5	3838.1	4211.1	4207.9	4128.2	4348.1	4488.4
67.5°	1087.0	1131.7	1370.8	2033.8	2894.5	4016.6	4813.6	4813.6	4641.4	4851.8	4737.1
70°	796.9	844.8	1010.5	1562.0	2288.8	3774.3	5122.8	5132.3	4746.6	4705.2	4134.6
72.5°	404.8	459.0	688.6	1055.2	1527.0	2977.4	4437.4	4415.1	3911.4	3324.9	2445.0
75°	169.0	191.3	363.4	599.3	637.6	1472.8	2652.2	2617.2	1976.4	1418.6	806.5
77.5°	73.3	76.5	140.3	251.8	207.2	363.4	975.5	946.8	640.7	331.5	181.7
80°	54.2	63.8	117.9	111.6	73.3	95.6	235.9	232.7	153.0	82.9	51.0
82.5°	25.5	35.1	92.4	70.1	31.9	41.4	82.9	82.9	60.6	41.4	25.5
85°	9.6	12.8	54.2	44.6	15.9	12.8	35.1	35.1	28.7	19.1	9.6
87.5°	0.0	0.0	25.5	12.8	6.4	3.2	6.4	6.4	6.4	6.4	6.4
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°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	739.6	745.9	755.5	771.4	781.0	790.6	790.6	800.1	796.9	800.1	796.9
5°	765.1	774.6	809.7	835.2	848.0	860.7	848.0	841.6	832.0	819.3	816.1
7.5°	803.3	828.8	889.4	911.7	911.7	870.3	809.7	758.7	726.8	704.5	691.8
10°	857.5	895.8	959.5	969.1	902.1	777.8	666.2	583.4	538.7	500.5	494.1
12.5°	905.3	956.3	1026.5	969.1	796.9	631.2	487.7	369.8	315.6	280.5	274.2
15°	956.3	1023.3	1071.1	911.7	666.2	452.7	293.3	181.7	146.6	133.9	130.7
17.5°	1004.2	1083.8	1087.0	806.5	506.9	274.2	140.3	111.6	105.2	108.4	108.4
20°	1039.2	1122.1	1045.6	682.2	328.3	140.3	105.2	102.0	102.0	102.0	102.0
22.5°	1071.1	1147.6	972.3	532.4	184.9	102.0	98.8	98.8	98.8	98.8	98.8
25°	1093.4	1160.4	870.3	373.0	108.4	92.4	92.4	92.4	92.4	95.6	95.6
27.5°	1134.9	1176.3	771.4	226.3	89.3	86.1	86.1	86.1	86.1	89.3	89.3
30°	1182.7	1192.2	666.2	127.5	82.9	76.5	76.5	76.5	76.5	76.5	76.5
32.5°	1217.7	1182.7	526.0	92.4	76.5	70.1	66.9	63.8	60.6	60.6	60.6
35°	1262.4	1179.5	376.2	82.9	73.3	63.8	57.4	54.2	47.8	44.6	44.6
37.5°	1322.9	1160.4	239.1	76.5	66.9	57.4	51.0	44.6	35.1	35.1	35.1
40°	1405.8	1147.6	153.0	73.3	63.8	54.2	41.4	35.1	28.7	28.7	28.7
42.5°	1517.4	1128.5	105.2	70.1	60.6	47.8	35.1	28.7	22.3	19.1	19.1
45°	1616.2	1090.2	86.1	66.9	54.2	41.4	28.7	22.3	15.9	15.9	15.9
47.5°	1708.7	1020.1	79.7	60.6	47.8	31.9	22.3	15.9	12.8	12.8	12.8
50°	1833.0	918.1	76.5	57.4	41.4	25.5	19.1	12.8	12.8	12.8	12.8
52.5°	1979.6	809.7	70.1	51.0	35.1	22.3	15.9	12.8	9.6	9.6	9.6
55°	2123.1	682.2	60.6	44.6	31.9	19.1	12.8	12.8	9.6	9.6	6.4
57.5°	2231.5	599.3	51.0	38.3	25.5	15.9	12.8	9.6	9.6	6.4	6.4
60°	2435.5	599.3	41.4	31.9	22.3	15.9	12.8	9.6	6.4	6.4	6.4
62.5°	2747.9	628.0	31.9	25.5	15.9	12.8	9.6	9.6	6.4	3.2	3.2
65°	3101.7	628.0	28.7	19.1	12.8	9.6	9.6	6.4	3.2	3.2	3.2
67.5°	3178.2	535.5	25.5	15.9	9.6	9.6	6.4	6.4	3.2	0.0	0.0
70°	2629.9	318.8	22.3	12.8	9.6	6.4	6.4	3.2	0.0	0.0	0.0
72.5°	1491.9	127.5	19.1	9.6	6.4	6.4	3.2	3.2	0.0	0.0	0.0
75°	459.0	47.8	15.9	9.6	6.4	3.2	3.2	3.2	0.0	0.0	0.0
77.5°	102.0	28.7	12.8	6.4	6.4	3.2	3.2	0.0	0.0	0.0	0.0
80°	35.1	19.1	12.8	6.4	3.2	3.2	3.2	0.0	0.0	0.0	0.0
82.5°	19.1	12.8	12.8	6.4	3.2	3.2	3.2	0.0	0.0	0.0	0.0
85°	9.6	6.4	6.4	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	3.2	3.2	3.2	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)