

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: P565393

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T4FT-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565393
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-T4FT-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4FT distribution lens and House Side Shield
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

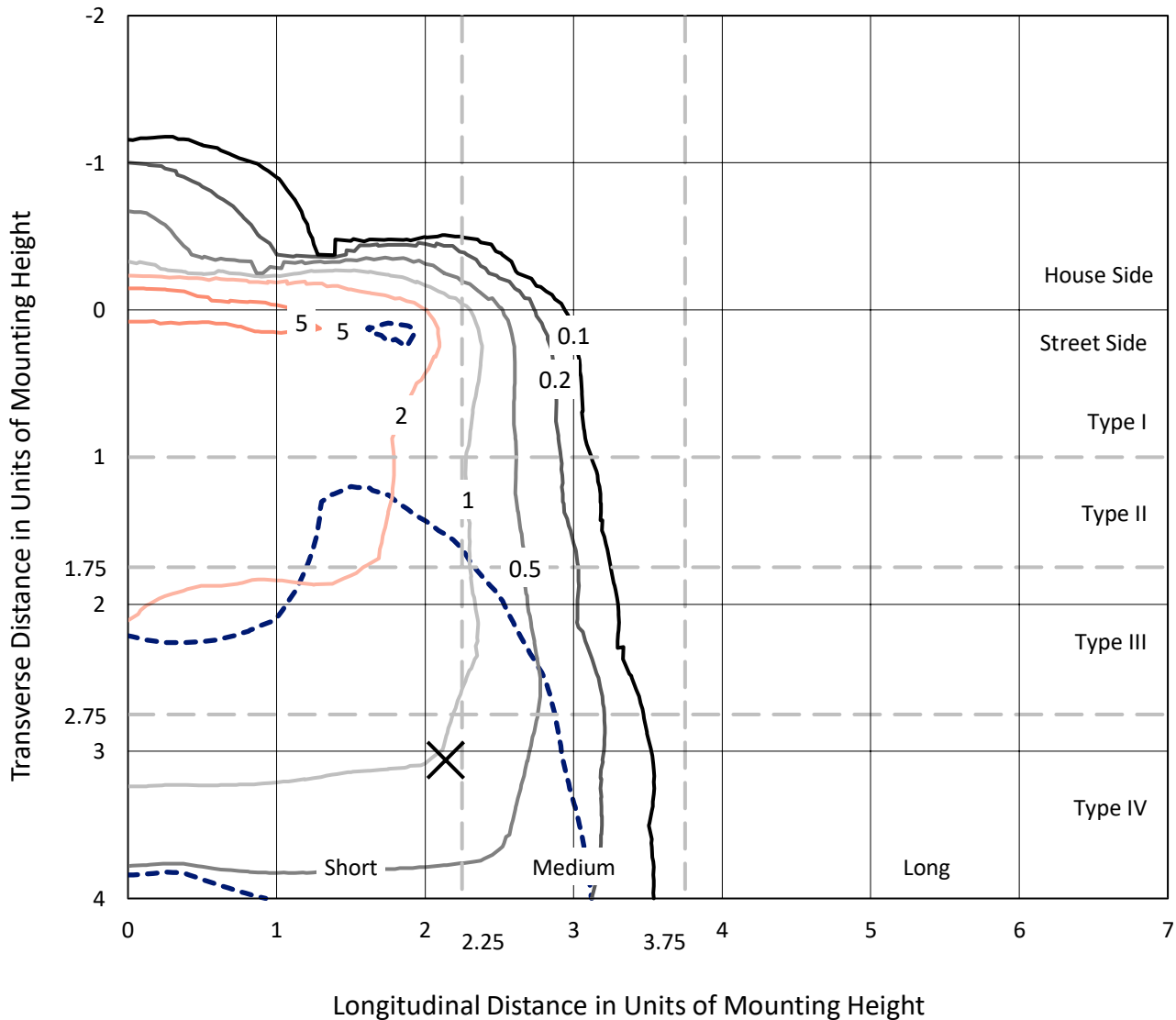
Lumens per Lamp: N/A
Luminaire Lumens: 4638.9 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4
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

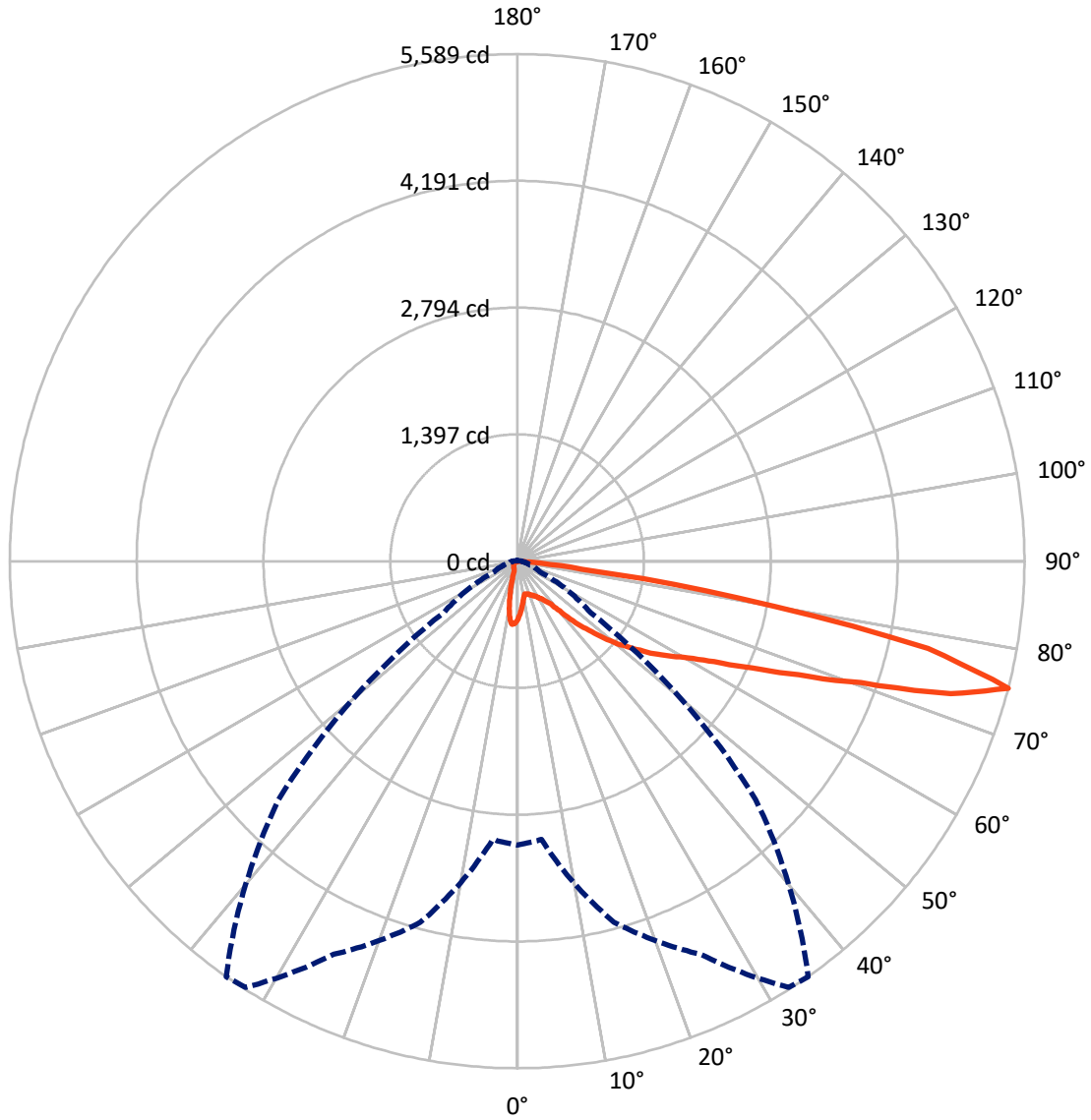
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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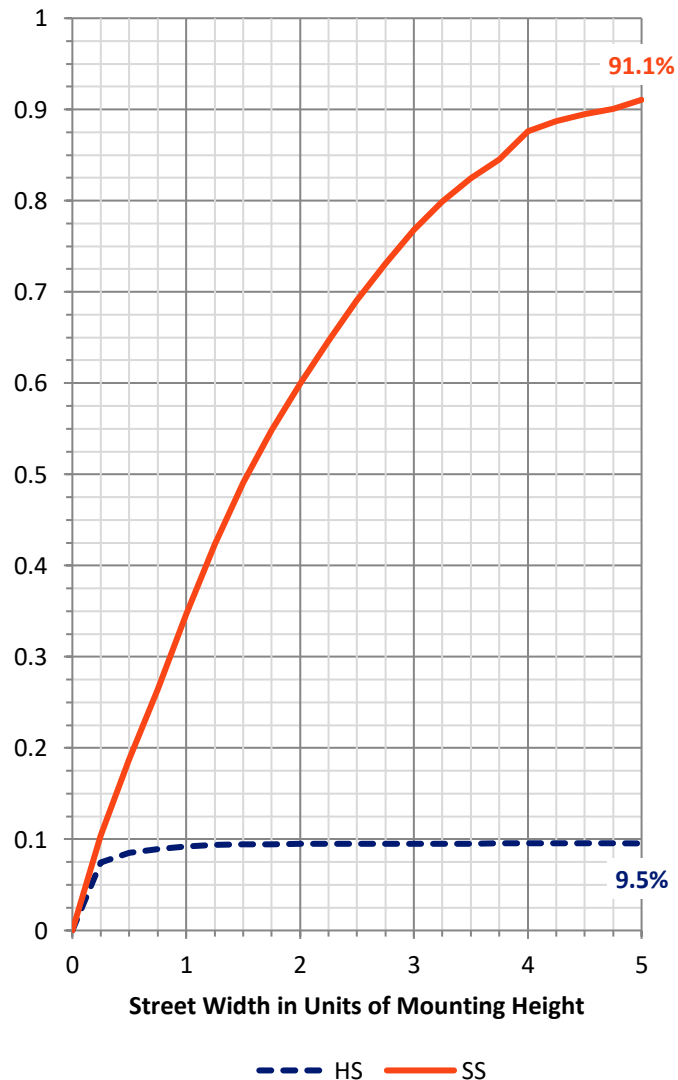
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	445.5	0.0	445.5
	% Fixture	9.6	0.0	9.6
Street Side	Lumens	4193.4	0.0	4193.4
	% Fixture	90.4	0.0	90.4
Total	Lumens	4638.9	0.0	4638.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.2
10°-20°	121.6	2.6
20°-30°	178.4	3.8
30°-40°	287.0	6.2
40°-50°	540.9	11.7
50°-60°	927.5	20.0
60°-70°	1314.3	28.3
70°-80°	1138.6	24.5
80°-90°	74.6	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°	4638.9	100.0
0°-180°	4638.9	100.0

Coefficient of Utilization



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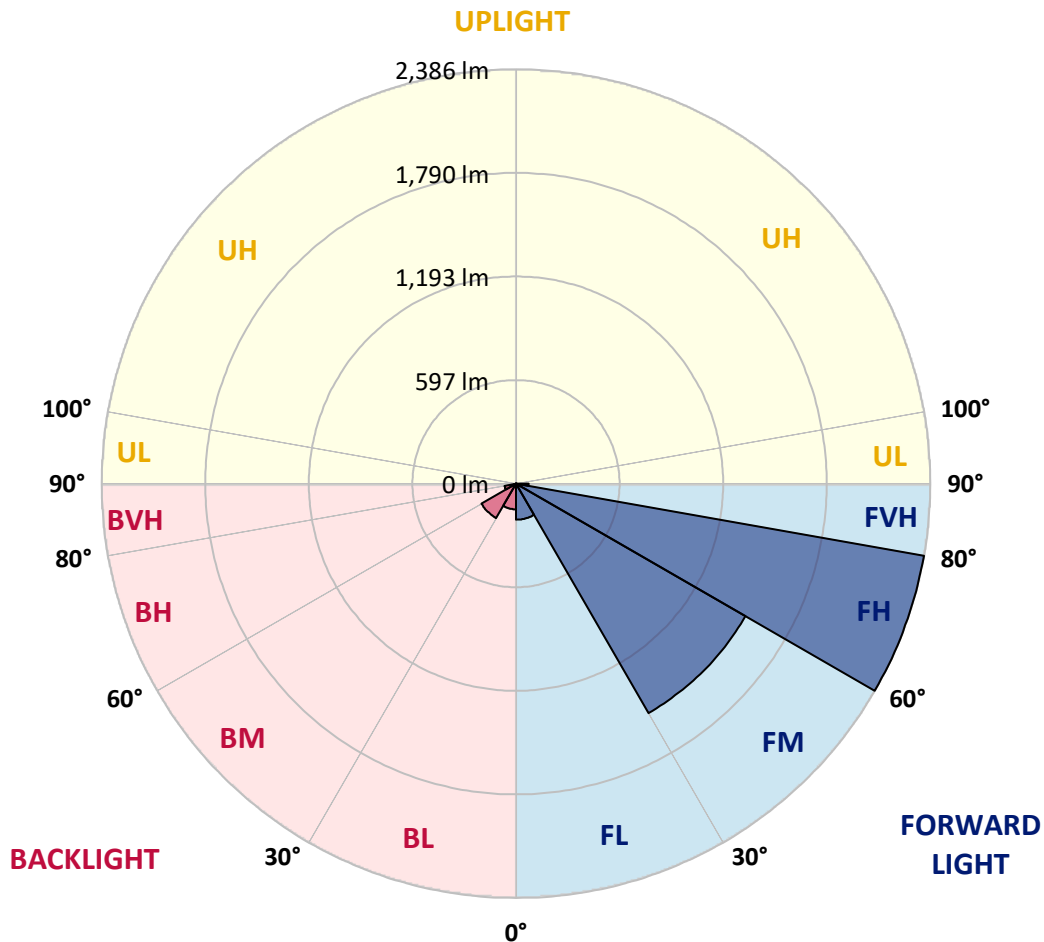
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.9	4.5			
FM (30°-60°)	1526.0	32.9			
FH (60°-80°)	2386.3	51.4			G2/5000
FVH (80°-90°)	73.2	1.6			G1/100
BL (0°-30°)	148.1	3.2	B1/500		
BM (30°-60°)	229.4	4.9	B1/1000		
BH (60°-80°)	66.6	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32.5°	35°	45°	55°	65°	75°	85°
0°	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7
2.5°	562.9	575.5	578.7	578.7	578.7	585.0	588.1	607.0	619.6	622.7	644.7
5°	484.3	487.5	496.9	506.3	515.8	522.1	537.8	556.7	585.0	619.6	638.4
7.5°	418.3	412.0	421.4	430.9	446.6	456.0	490.6	522.1	553.5	591.3	641.6
10°	364.8	361.7	364.8	377.4	393.1	405.7	437.1	484.3	531.5	594.4	641.6
12.5°	355.4	349.1	342.8	352.2	368.0	371.1	412.0	465.5	518.9	578.7	654.1
15°	361.7	355.4	345.9	352.2	361.7	377.4	405.7	449.7	512.6	591.3	666.7
17.5°	380.5	380.5	361.7	358.5	374.2	377.4	418.3	459.2	509.5	588.1	685.6
20°	399.4	393.1	364.8	371.1	383.7	396.3	421.4	465.5	509.5	588.1	698.2
22.5°	430.9	418.3	380.5	383.7	396.3	402.6	440.3	481.2	522.1	591.3	717.0
25°	452.9	443.4	399.4	402.6	412.0	427.7	456.0	500.0	534.6	597.5	751.6
27.5°	471.7	468.6	427.7	418.3	430.9	437.1	481.2	528.4	559.8	625.8	783.1
30°	496.9	490.6	452.9	440.3	452.9	471.7	503.2	559.8	594.4	654.1	852.3
32.5°	531.5	522.1	481.2	465.5	487.5	493.8	544.1	613.3	641.6	691.9	912.0
35°	647.9	632.1	559.8	512.6	518.9	540.9	597.5	666.7	695.0	739.1	990.7
37.5°	842.8	830.3	723.3	625.8	591.3	600.7	663.6	735.9	767.4	811.4	1119.6
40°	1047.3	1019.0	943.5	808.3	732.8	720.2	735.9	836.6	868.0	905.7	1273.7
42.5°	1223.4	1176.2	1078.7	1000.1	937.2	899.5	852.3	940.3	993.8	993.8	1424.7
45°	1342.9	1276.9	1191.9	1132.2	1075.6	1063.0	1009.5	1078.7	1144.8	1141.6	1572.5
47.5°	1396.4	1374.3	1308.3	1292.6	1258.0	1236.0	1204.5	1283.1	1308.3	1280.0	1751.7
50°	1487.6	1440.4	1405.8	1424.7	1427.8	1427.8	1440.4	1497.0	1512.7	1453.0	1993.9
52.5°	1559.9	1550.5	1519.0	1563.0	1591.3	1594.5	1685.7	1754.9	1714.0	1660.5	2251.8
55°	1644.8	1613.4	1619.7	1685.7	1745.4	1786.3	1927.9	2047.4	1921.6	1849.2	2503.4
57.5°	1726.6	1666.8	1754.9	1820.9	1902.7	1965.6	2239.2	2321.0	2015.9	2019.1	2755.0
60°	1846.1	1780.0	1868.1	1978.2	2088.2	2160.6	2578.9	2572.6	2116.6	2151.1	2994.0
62.5°	2129.1	2028.5	2044.2	2163.7	2327.3	2437.3	2921.7	2688.9	2110.3	2239.2	2962.5
65°	2619.7	2525.4	2415.3	2431.0	2714.1	2839.9	3201.6	2742.4	2113.4	2182.6	2553.7
67.5°	3192.1	3047.5	2943.7	2915.4	3182.7	3346.2	3472.0	2720.4	2050.5	1798.9	1698.3
70°	3814.8	3701.6	3660.7	3729.9	3981.5	4016.1	3899.7	2710.9	1679.4	1034.7	698.2
72.5°	4025.5	4035.0	4264.6	4585.3	4975.3	4994.2	4349.5	2160.6	820.8	323.9	166.7
75°	3129.2	3078.9	4119.9	4780.3	5569.7	5588.6	3714.2	987.5	276.8	132.1	59.8
77.5°	940.3	880.6	1953.0	3531.8	4629.4	4626.2	1896.4	289.3	144.7	103.8	37.7
80°	182.4	185.6	352.2	1229.7	2484.5	2449.9	522.1	128.9	106.9	84.9	22.0
82.5°	40.9	40.9	100.6	301.9	663.6	717.0	135.2	84.9	78.6	72.3	15.7
85°	6.3	6.3	25.2	94.3	147.8	135.2	44.0	47.2	59.8	53.5	9.4
87.5°	0.0	0.0	9.4	28.3	40.9	34.6	12.6	15.7	31.4	31.4	3.1
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°	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7
2.5°	654.1	657.3	657.3	673.0	673.0	679.3	682.5	685.6	682.5	682.5	679.3
5°	654.1	657.3	676.2	695.0	701.3	698.2	701.3	698.2	695.0	685.6	682.5
7.5°	657.3	673.0	695.0	701.3	704.5	682.5	651.0	625.8	588.1	569.2	572.4
10°	660.4	688.7	717.0	707.6	669.9	597.5	531.5	468.6	421.4	396.3	390.0
12.5°	688.7	704.5	726.5	691.9	594.4	481.2	377.4	295.6	245.3	210.7	220.1
15°	698.2	723.3	745.4	657.3	487.5	339.7	220.1	144.7	116.4	110.1	113.2
17.5°	723.3	748.5	739.1	585.0	380.5	201.3	116.4	100.6	97.5	97.5	97.5
20°	748.5	770.5	739.1	506.3	261.0	110.1	94.3	94.3	94.3	94.3	94.3
22.5°	770.5	802.0	704.5	405.7	141.5	91.2	88.1	91.2	91.2	91.2	88.1
25°	814.5	842.8	676.2	301.9	94.3	84.9	88.1	88.1	91.2	88.1	88.1
27.5°	861.7	899.5	619.6	191.8	81.8	81.8	84.9	88.1	88.1	88.1	88.1
30°	930.9	918.3	559.8	113.2	75.5	72.3	78.6	84.9	88.1	88.1	88.1
32.5°	993.8	971.8	484.3	78.6	69.2	69.2	72.3	81.8	88.1	88.1	88.1
35°	1103.9	1031.5	393.1	72.3	66.0	66.0	66.0	75.5	84.9	88.1	88.1
37.5°	1214.0	1097.6	289.3	66.0	62.9	62.9	62.9	69.2	78.6	88.1	84.9
40°	1352.3	1160.5	185.6	62.9	62.9	59.8	59.8	62.9	66.0	81.8	81.8
42.5°	1506.4	1198.2	113.2	62.9	59.8	56.6	56.6	56.6	62.9	69.2	69.2
45°	1578.8	1191.9	81.8	59.8	56.6	56.6	53.5	53.5	53.5	56.6	56.6
47.5°	1695.1	1176.2	66.0	56.6	53.5	53.5	50.3	47.2	50.3	44.0	40.9
50°	1839.8	1201.4	56.6	53.5	50.3	50.3	44.0	40.9	40.9	31.4	31.4
52.5°	1962.4	1198.2	47.2	47.2	50.3	50.3	40.9	37.7	31.4	25.2	25.2
55°	2157.4	1191.9	40.9	40.9	44.0	40.9	34.6	28.3	22.0	18.9	15.7
57.5°	2339.8	1195.1	37.7	34.6	37.7	34.6	28.3	22.0	18.9	12.6	12.6
60°	2471.9	1141.6	34.6	28.3	28.3	25.2	22.0	15.7	12.6	9.4	6.3
62.5°	2421.6	1047.3	28.3	22.0	22.0	22.0	15.7	12.6	9.4	3.1	3.1
65°	2031.6	789.4	22.0	18.9	15.7	15.7	12.6	9.4	6.3	3.1	0.0
67.5°	1267.4	415.1	18.9	12.6	12.6	12.6	9.4	6.3	3.1	0.0	0.0
70°	465.5	151.0	18.9	12.6	9.4	9.4	6.3	6.3	3.1	0.0	0.0
72.5°	113.2	50.3	15.7	12.6	9.4	9.4	6.3	3.1	3.1	0.0	0.0
75°	47.2	25.2	12.6	9.4	9.4	6.3	6.3	3.1	0.0	0.0	0.0
77.5°	28.3	18.9	12.6	9.4	6.3	6.3	3.1	3.1	0.0	0.0	0.0
80°	18.9	15.7	9.4	9.4	6.3	3.1	3.1	3.1	0.0	0.0	0.0
82.5°	15.7	12.6	9.4	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0
85°	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	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)