

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: P565369

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T2R-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565369
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-T2R-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2R distribution lens and House Side Shield
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

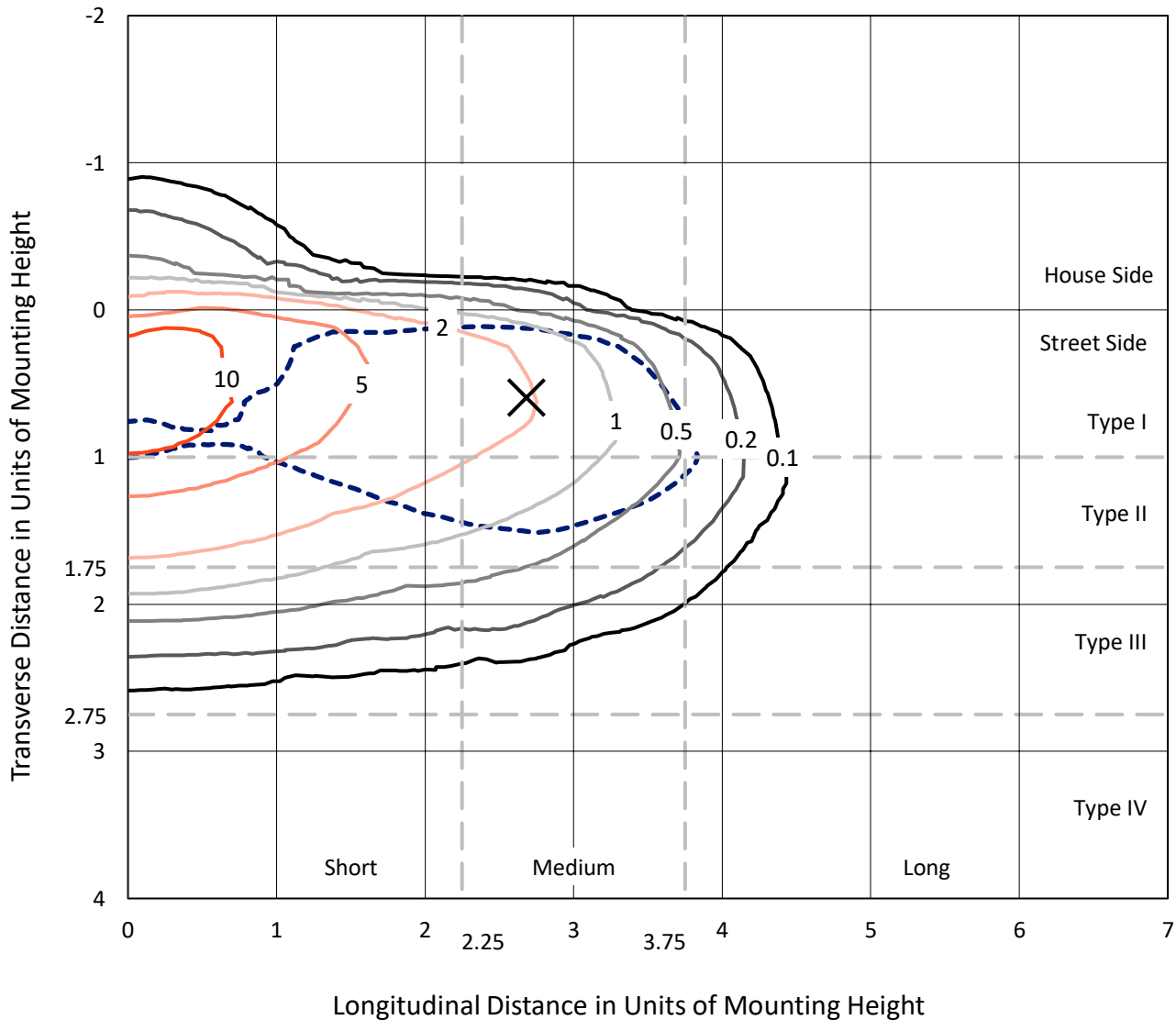
Lumens per Lamp: N/A
Luminaire Lumens: 5043.8 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

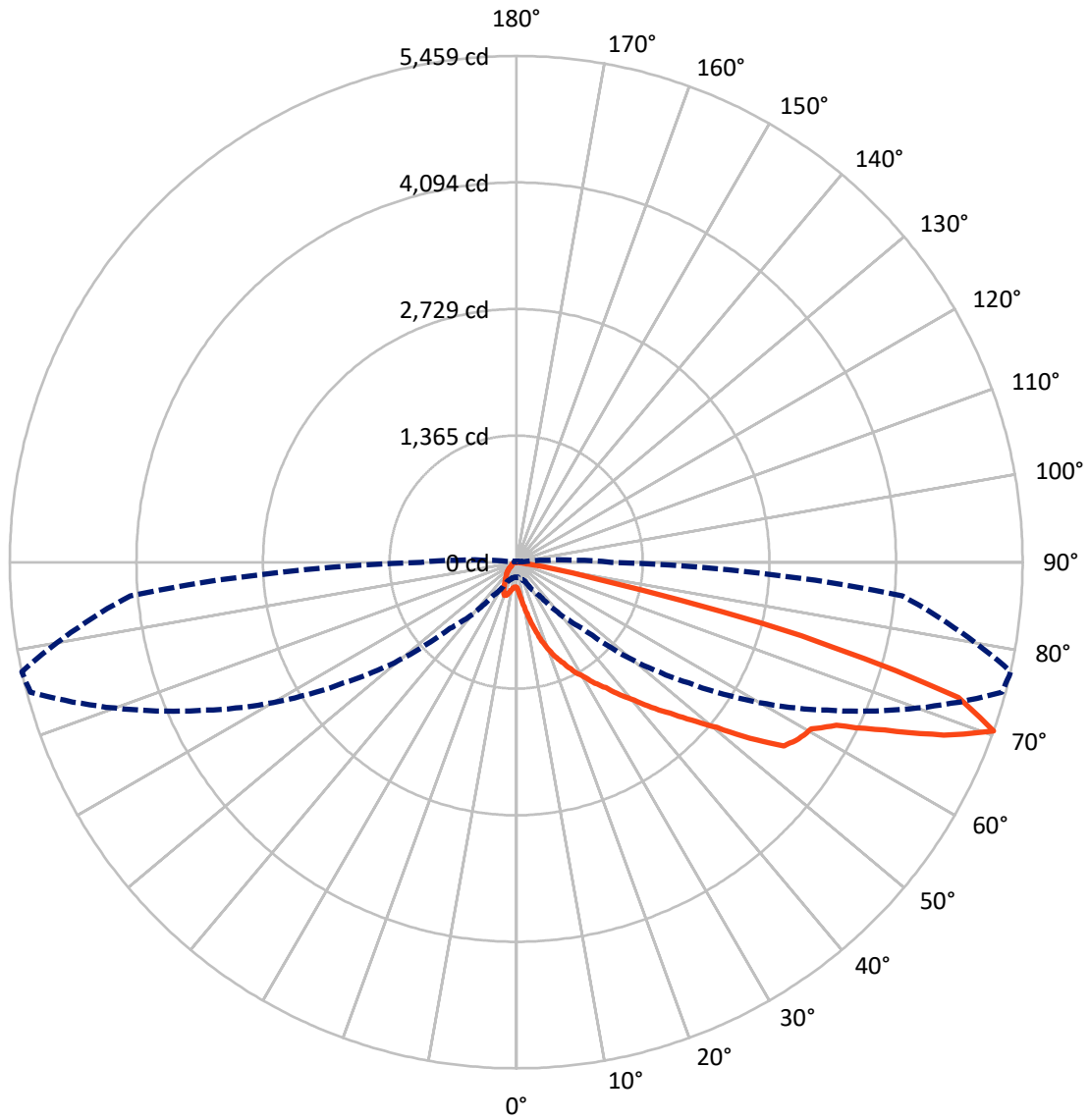
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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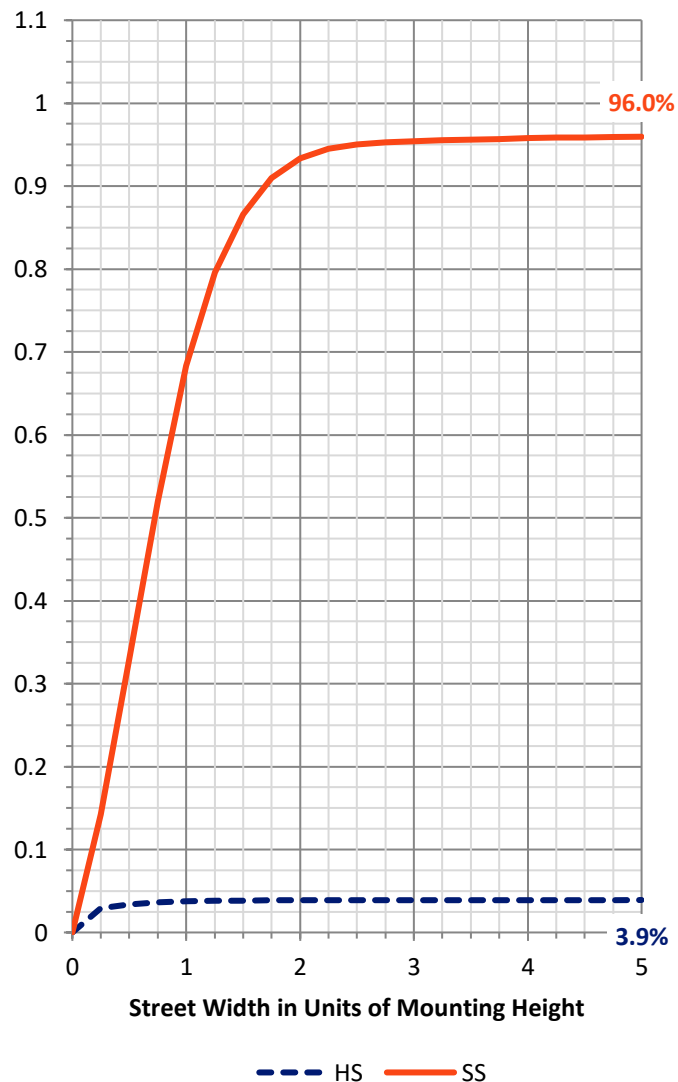
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	198.3	0.0	198.3
	% Fixture	3.9	0.0	3.9
Street Side	Lumens	4845.4	0.0	4845.4
	% Fixture	96.1	0.0	96.1
Total	Lumens	5043.8	0.0	5043.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	0.8
10°-20°	184.6	3.7
20°-30°	366.5	7.3
30°-40°	673.2	13.3
40°-50°	995.6	19.7
50°-60°	1166.2	23.1
60°-70°	1092.6	21.7
70°-80°	507.5	10.1
80°-90°	16.1	0.3
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°	5043.8	100.0
0°-180°	5043.8	100.0

Coefficient of Utilization

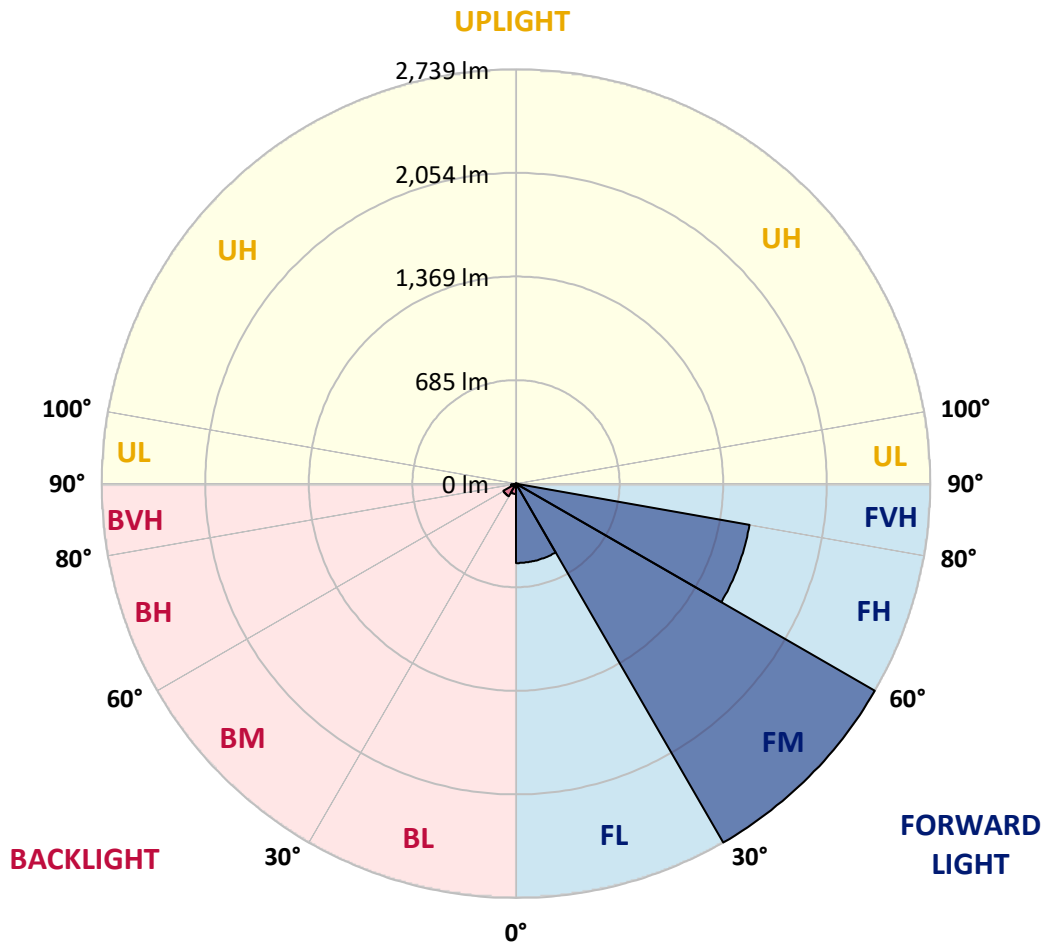


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.8	10.4			
FM (30°-60°)	2738.7	54.3			
FH (60°-80°)	1567.4	31.1			G1/1800
FVH (80°-90°)	14.6	0.3			G1/100
BL (0°-30°)	67.8	1.3	B0/110		
BM (30°-60°)	96.3	1.9	B0/220		
BH (60°-80°)	32.7	0.6	B0/110		G0/110
BVH (80°-90°)	1.5	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5
2.5°	414.9	396.5	393.4	384.2	375.0	353.5	335.0	310.4	292.0	285.8	282.8
5°	725.4	706.9	685.4	648.5	614.7	534.8	476.4	405.7	344.2	335.0	307.4
7.5°	946.6	925.1	919.0	882.1	879.0	805.3	685.4	550.2	430.3	411.9	344.2
10°	1081.9	1072.7	1072.7	1057.3	1041.9	1011.2	915.9	753.0	537.9	504.1	405.7
12.5°	1198.7	1180.2	1198.7	1198.7	1220.2	1155.6	1069.6	934.4	673.1	614.7	470.3
15°	1272.4	1266.3	1290.9	1318.5	1337.0	1306.3	1211.0	1075.7	842.1	759.2	562.5
17.5°	1247.9	1269.4	1306.3	1367.7	1435.3	1438.4	1373.9	1195.6	986.6	891.3	639.3
20°	1220.2	1217.1	1287.8	1337.0	1438.4	1524.5	1496.8	1333.9	1100.3	1017.3	740.7
22.5°	1226.3	1235.6	1303.2	1337.0	1438.4	1558.3	1585.9	1444.6	1195.6	1121.8	832.9
25°	1376.9	1367.7	1383.1	1410.8	1475.3	1576.7	1647.4	1558.3	1300.1	1220.2	946.6
27.5°	1635.1	1632.0	1604.4	1539.8	1546.0	1632.0	1681.2	1656.6	1410.8	1340.1	1038.9
30°	2102.3	2056.2	1985.5	1816.5	1678.1	1696.6	1727.3	1708.9	1518.3	1429.2	1134.1
32.5°	2339.0	2320.5	2302.1	2163.8	1865.6	1782.6	1785.7	1739.6	1629.0	1555.2	1214.0
35°	2587.9	2575.6	2471.1	2394.3	2154.5	1942.5	1902.5	1801.1	1773.4	1662.8	1297.0
37.5°	2710.9	2738.5	2683.2	2554.1	2400.4	2200.6	2025.5	1887.1	1890.2	1816.5	1389.2
40°	2824.6	2821.5	2729.3	2674.0	2535.7	2403.5	2203.7	2025.5	2007.0	1957.8	1490.7
42.5°	2830.7	2849.2	2790.8	2723.1	2658.6	2569.5	2440.4	2148.4	2179.1	2139.2	1601.3
45°	2698.6	2689.3	2710.9	2729.3	2732.4	2664.8	2701.6	2360.5	2369.7	2326.7	1755.0
47.5°	2557.2	2504.9	2529.5	2640.2	2720.1	2717.0	2873.8	2581.8	2563.3	2541.8	1908.7
50°	2283.6	2299.0	2317.4	2449.6	2674.0	2772.3	3030.5	2775.4	2793.8	2803.1	2148.4
52.5°	1991.6	2007.0	2047.0	2228.3	2514.1	2775.4	3156.5	3110.4	3147.3	3153.4	2425.0
55°	1859.5	1847.2	1853.3	1976.3	2268.3	2753.9	3171.9	3334.8	3522.3	3500.8	2615.6
57.5°	1693.5	1690.4	1718.1	1850.3	2077.7	2606.4	3227.2	3454.6	3614.5	3593.0	2686.3
60°	1407.7	1423.0	1496.8	1675.1	1973.2	2409.6	3171.9	3436.2	3654.4	3654.4	2812.3
62.5°	1032.7	1054.2	1155.6	1392.3	1748.8	2157.6	3027.4	3423.9	3851.1	3872.6	3110.4
65°	584.0	590.1	694.6	949.7	1380.0	1877.9	2892.2	3636.0	4278.4	4364.4	3476.2
67.5°	270.5	264.3	331.9	522.5	894.4	1484.5	2680.1	3817.3	4899.2	4973.0	4026.3
70°	162.9	162.9	178.3	230.5	448.7	1011.2	2271.3	3786.6	5421.7	5458.6	4176.9
72.5°	129.1	132.2	138.3	147.5	209.0	522.5	1625.9	3288.7	5225.0	4982.2	3466.9
75°	92.2	98.4	113.7	119.9	138.3	245.9	703.8	1951.7	3537.6	3171.9	1862.6
77.5°	73.8	73.8	79.9	92.2	104.5	166.0	172.1	651.6	1143.4	940.5	353.5
80°	46.1	46.1	64.5	67.6	86.1	107.6	58.4	138.3	153.7	129.1	64.5
82.5°	24.6	27.7	33.8	52.3	70.7	49.2	24.6	46.1	49.2	49.2	27.7
85°	0.0	3.1	18.4	33.8	24.6	12.3	15.4	18.4	18.4	18.4	12.3
87.5°	0.0	0.0	9.2	6.1	6.1	3.1	3.1	6.1	6.1	6.1	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°	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5	270.5
2.5°	276.6	273.5	264.3	261.3	252.0	245.9	245.9	242.8	236.7	236.7	236.7
5°	292.0	282.8	267.4	252.0	242.8	236.7	233.6	224.4	218.2	218.2	218.2
7.5°	319.6	301.2	279.7	258.2	242.8	224.4	205.9	187.5	175.2	166.0	166.0
10°	356.5	328.9	292.0	267.4	230.5	187.5	150.6	122.9	113.7	107.6	107.6
12.5°	402.6	362.7	313.5	267.4	190.6	132.2	104.5	92.2	89.1	86.1	86.1
15°	458.0	402.6	335.0	242.8	138.3	101.4	86.1	83.0	79.9	76.8	76.8
17.5°	522.5	448.7	347.3	196.7	104.5	86.1	79.9	73.8	70.7	70.7	70.7
20°	580.9	494.8	338.1	141.4	86.1	76.8	70.7	64.5	61.5	61.5	61.5
22.5°	648.5	525.6	301.2	104.5	76.8	67.6	61.5	58.4	55.3	52.3	52.3
25°	713.1	556.3	242.8	83.0	70.7	61.5	55.3	52.3	49.2	46.1	46.1
27.5°	777.6	580.9	184.4	73.8	64.5	55.3	49.2	46.1	43.0	43.0	43.0
30°	845.2	587.0	132.2	67.6	58.4	52.3	46.1	43.0	40.0	40.0	40.0
32.5°	872.9	574.8	95.3	64.5	55.3	46.1	40.0	36.9	36.9	36.9	36.9
35°	912.8	550.2	76.8	58.4	49.2	43.0	36.9	36.9	33.8	33.8	33.8
37.5°	958.9	504.1	67.6	55.3	46.1	40.0	36.9	33.8	33.8	30.7	30.7
40°	992.8	458.0	61.5	52.3	43.0	36.9	33.8	30.7	30.7	27.7	27.7
42.5°	1035.8	390.3	61.5	49.2	40.0	33.8	30.7	27.7	24.6	24.6	21.5
45°	1081.9	325.8	58.4	46.1	36.9	30.7	27.7	21.5	18.4	18.4	18.4
47.5°	1128.0	255.1	55.3	43.0	33.8	27.7	21.5	18.4	15.4	15.4	12.3
50°	1211.0	196.7	49.2	36.9	30.7	24.6	18.4	15.4	12.3	12.3	9.2
52.5°	1281.7	156.8	46.1	33.8	27.7	21.5	15.4	12.3	9.2	9.2	9.2
55°	1257.1	126.0	40.0	30.7	24.6	15.4	12.3	9.2	9.2	6.1	6.1
57.5°	1167.9	113.7	36.9	27.7	21.5	15.4	12.3	9.2	6.1	6.1	6.1
60°	1143.4	101.4	33.8	27.7	18.4	12.3	9.2	6.1	6.1	6.1	3.1
62.5°	1140.3	92.2	30.7	21.5	15.4	9.2	9.2	6.1	6.1	3.1	3.1
65°	1186.4	83.0	24.6	18.4	12.3	9.2	6.1	6.1	3.1	0.0	0.0
67.5°	1201.8	73.8	24.6	15.4	9.2	6.1	6.1	3.1	0.0	0.0	0.0
70°	1023.5	61.5	21.5	12.3	9.2	6.1	3.1	3.1	0.0	0.0	0.0
72.5°	605.5	49.2	18.4	9.2	6.1	6.1	3.1	3.1	0.0	0.0	0.0
75°	218.2	33.8	12.3	9.2	6.1	3.1	3.1	0.0	0.0	0.0	0.0
77.5°	67.6	24.6	9.2	6.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
80°	27.7	18.4	9.2	6.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
82.5°	15.4	12.3	6.1	6.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
85°	9.2	6.1	6.1	6.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	3.1	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)