

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: P565377

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T3-HSS**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565377  
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-T3-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T3 distribution lens and House Side Shield  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

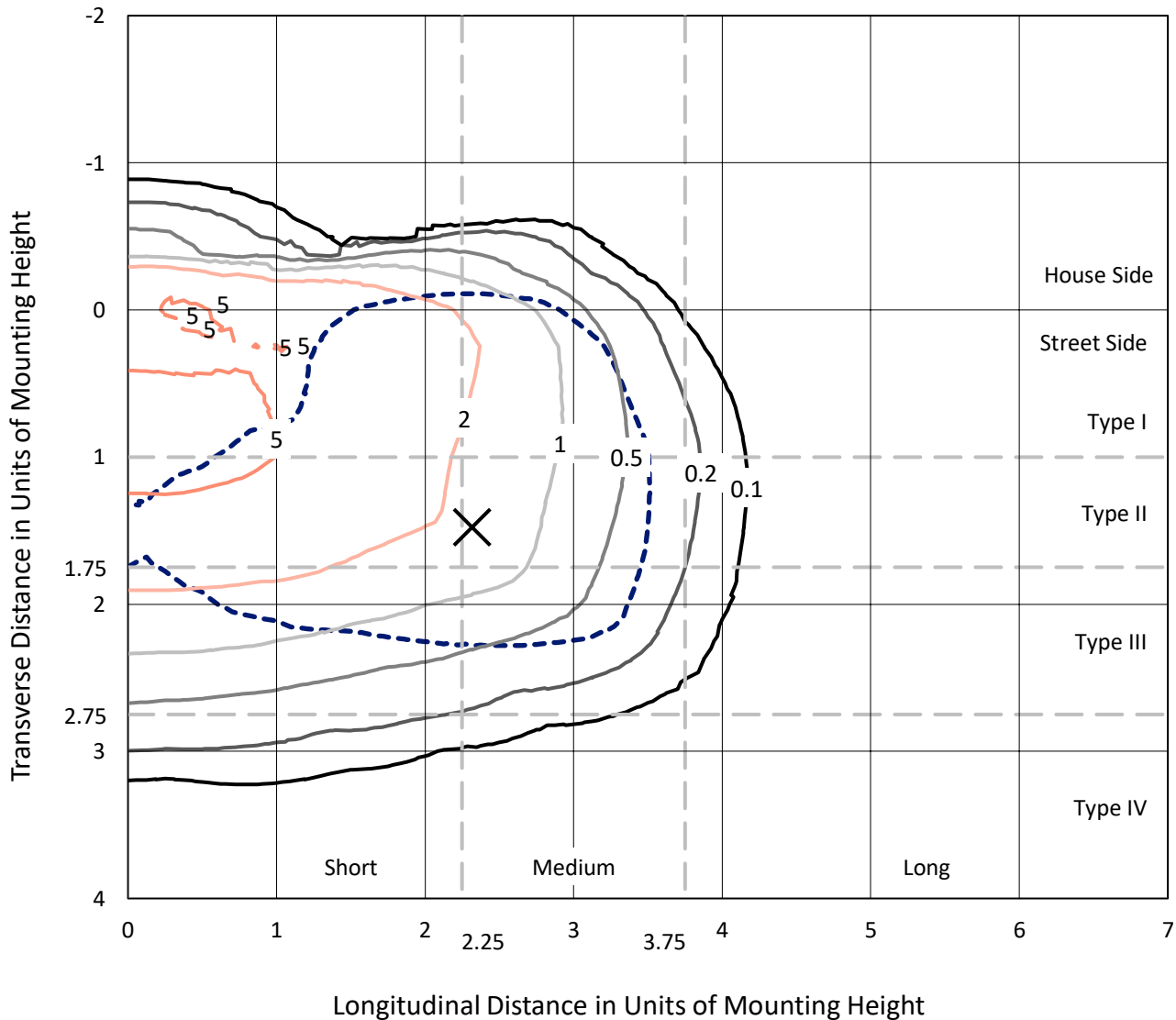
Lumens per Lamp: N/A  
Luminaire Lumens: 4760.5 lumens  
Efficiency: N/A  
Efficacy: 38.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

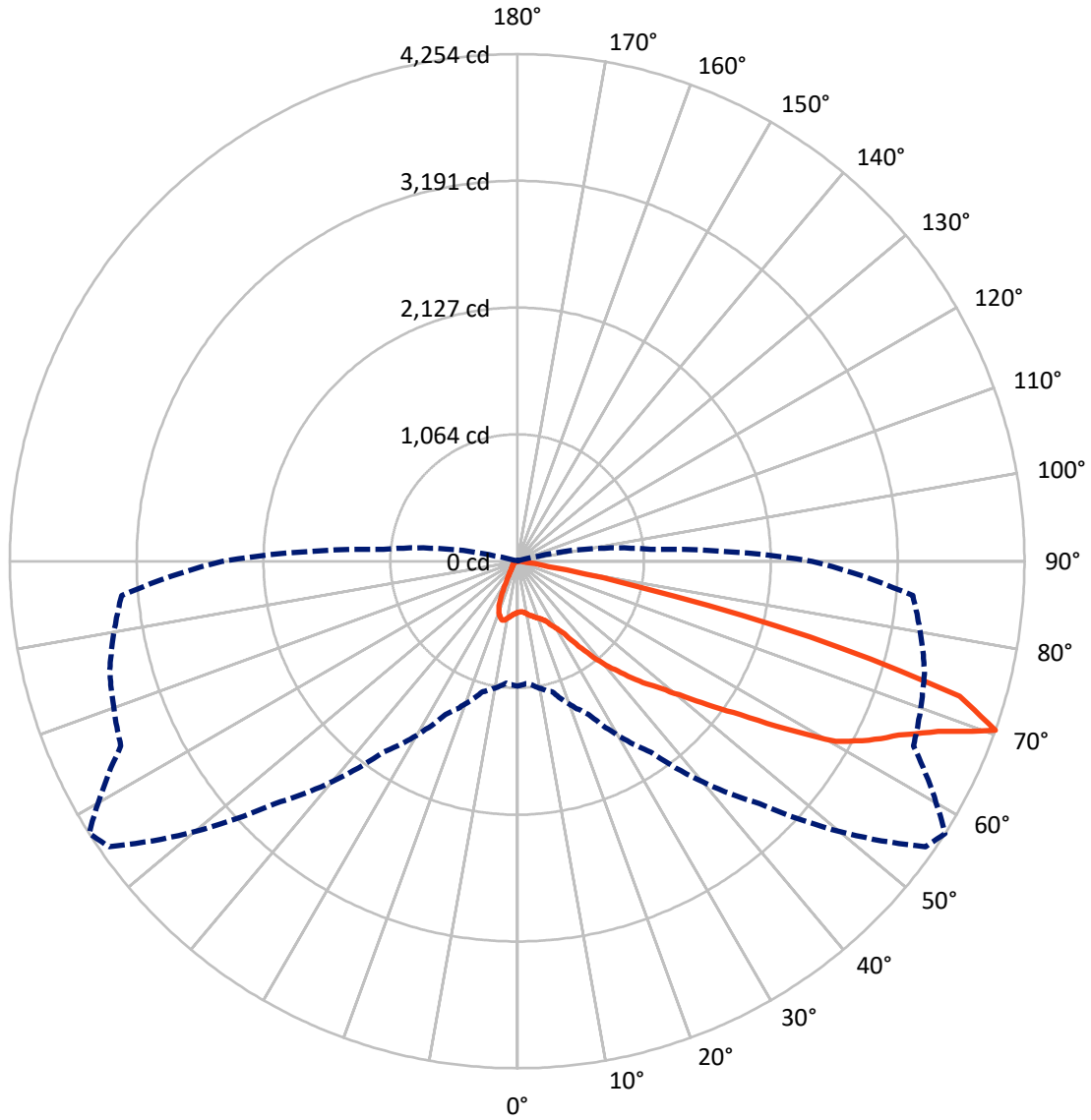
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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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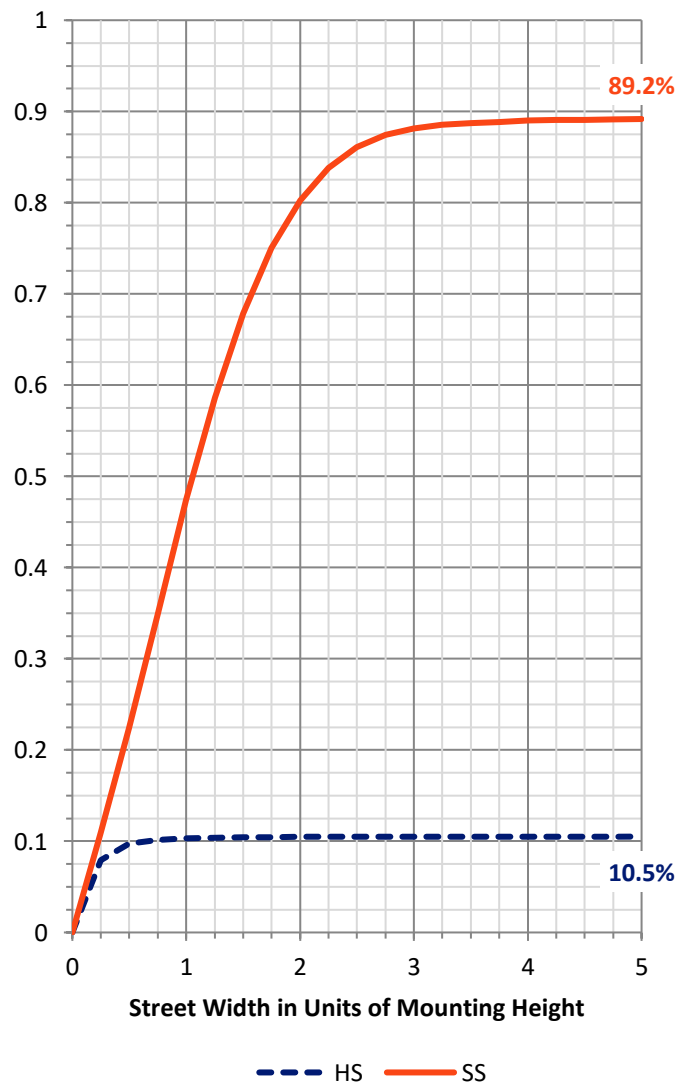
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	506.0	0.0	506.0
	% Fixture	10.6	0.0	10.6
<b>Street Side</b>	Lumens	4254.5	0.0	4254.5
	% Fixture	89.4	0.0	89.4
<b>Total</b>	Lumens	4760.5	0.0	4760.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.7	0.9
10°-20°	125.1	2.6
20°-30°	221.3	4.6
30°-40°	400.1	8.4
40°-50°	697.4	14.6
50°-60°	1143.6	24.0
60°-70°	1467.4	30.8
70°-80°	643.8	13.5
80°-90°	20.0	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°	4760.5	100.0
0°-180°	4760.5	100.0

**Coefficient of Utilization**

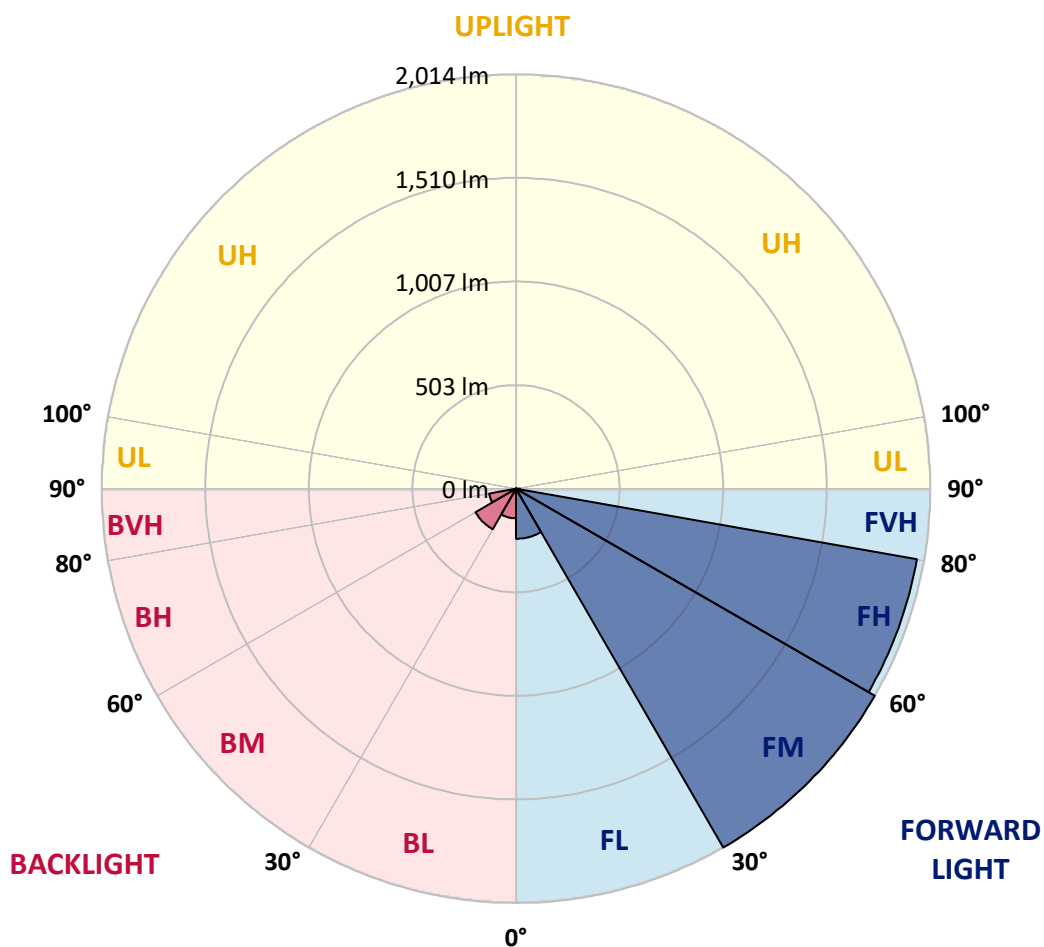


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.6	5.1			
FM (30°-60°)	2013.7	42.3			
FH (60°-80°)	1978.5	41.6			G2/5000
FVH (80°-90°)	18.7	0.4			G1/100
BL (0°-30°)	144.6	3.0	B1/500		
BM (30°-60°)	227.4	4.8	B1/1000		
BH (60°-80°)	132.7	2.8	B1/500		G1/500
BVH (80°-90°)	1.3	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°	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3
2.5°	406.0	412.1	415.1	415.1	412.1	418.2	418.2	427.3	424.2	430.3	436.3
5°	400.0	397.0	403.0	406.0	412.1	418.2	427.3	427.3	433.3	436.3	442.4
7.5°	387.9	384.8	384.8	397.0	409.1	424.2	436.3	433.3	445.4	457.6	472.7
10°	384.8	387.9	387.9	393.9	406.0	418.2	442.4	448.5	469.7	490.9	506.0
12.5°	400.0	393.9	397.0	400.0	409.1	427.3	454.5	466.6	493.9	521.2	539.4
15°	409.1	406.0	409.1	412.1	418.2	430.3	469.7	478.8	515.1	557.6	584.8
17.5°	445.4	439.4	433.3	424.2	424.2	439.4	481.8	496.9	548.5	590.9	609.1
20°	521.2	515.1	496.9	469.7	451.5	451.5	487.9	509.1	563.6	627.2	642.4
22.5°	645.4	648.5	618.2	551.5	503.0	481.8	512.1	530.3	593.9	660.6	675.7
25°	790.9	784.8	757.5	675.7	593.9	533.3	539.4	554.5	624.2	706.0	709.1
27.5°	900.0	912.1	884.8	818.1	715.1	609.1	593.9	606.0	672.7	745.4	748.5
30°	1015.1	1018.1	987.8	939.4	845.4	727.2	660.6	657.5	724.2	800.0	781.8
32.5°	1178.7	1163.6	1118.1	1051.5	963.6	860.6	742.4	727.2	760.6	845.4	827.2
35°	1321.2	1324.2	1272.7	1190.9	1103.0	1003.0	878.7	851.5	854.5	921.2	893.9
37.5°	1451.5	1454.5	1430.2	1351.5	1260.5	1139.3	1018.1	1000.0	945.4	1033.3	963.6
40°	1539.3	1512.1	1530.2	1496.9	1406.0	1312.1	1203.0	1148.4	1069.6	1106.0	1060.6
42.5°	1596.9	1596.9	1639.3	1630.2	1551.4	1512.1	1336.3	1275.7	1190.9	1254.5	1172.7
45°	1745.4	1730.2	1787.8	1784.8	1736.3	1693.9	1509.0	1436.3	1333.3	1424.2	1330.2
47.5°	1887.8	1909.0	1960.5	1951.4	1954.5	1918.1	1642.4	1572.7	1509.0	1633.3	1521.1
50°	2006.0	2024.2	2124.1	2124.1	2169.6	2169.6	1818.1	1763.6	1745.4	1921.1	1718.1
52.5°	2081.7	2081.7	2187.8	2275.7	2375.7	2393.8	2009.0	1996.9	2027.2	2206.0	1984.8
55°	2151.4	2133.2	2260.5	2354.4	2554.4	2605.9	2302.9	2269.6	2372.6	2548.4	2212.0
57.5°	2139.3	2121.1	2263.5	2412.0	2663.5	2802.9	2663.5	2651.4	2696.8	2805.9	2393.8
60°	2099.9	2072.6	2212.0	2421.1	2760.5	3027.1	3051.4	3069.6	2960.5	2939.3	2642.3
62.5°	1972.6	1996.9	2130.2	2387.8	2863.5	3139.3	3333.2	3308.9	3163.5	3072.6	2936.2
65°	1839.3	1833.3	2006.0	2302.9	2809.0	3212.0	3518.0	3518.0	3293.8	3230.2	3248.3
67.5°	1554.5	1545.4	1703.0	1990.8	2530.2	3145.3	3905.9	3808.9	3508.9	3454.4	3475.6
70°	1048.4	1027.2	1136.3	1418.1	1957.5	2875.6	4178.6	4254.4	3666.5	3536.2	3330.2
72.5°	366.7	366.7	539.4	690.9	1181.8	2184.8	3830.1	3881.6	3396.8	3109.0	2309.0
75°	115.1	115.1	178.8	263.6	451.5	975.7	2372.6	2536.3	2312.0	1887.8	884.8
77.5°	51.5	48.5	69.7	90.9	139.4	206.1	930.3	1048.4	957.5	581.8	200.0
80°	30.3	33.3	42.4	57.6	81.8	75.8	218.2	266.7	260.6	148.5	57.6
82.5°	18.2	21.2	30.3	39.4	51.5	36.4	66.7	75.8	90.9	69.7	30.3
85°	9.1	9.1	18.2	30.3	27.3	18.2	27.3	30.3	39.4	42.4	15.2
87.5°	0.0	0.0	9.1	15.2	9.1	6.1	6.1	9.1	12.1	21.2	6.1
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°	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3
2.5°	433.3	436.3	439.4	439.4	442.4	439.4	439.4	439.4	430.3	436.3	433.3
5°	448.5	448.5	451.5	454.5	445.4	442.4	442.4	439.4	430.3	430.3	433.3
7.5°	472.7	478.8	478.8	475.7	463.6	454.5	445.4	433.3	430.3	430.3	424.2
10°	512.1	512.1	506.0	500.0	478.8	466.6	442.4	418.2	406.0	403.0	397.0
12.5°	542.4	545.4	542.4	524.2	500.0	457.6	412.1	387.9	372.7	357.6	354.5
15°	575.7	581.8	575.7	554.5	496.9	427.3	375.7	321.2	275.7	251.5	245.4
17.5°	612.1	615.1	606.0	551.5	466.6	387.9	287.9	197.0	154.5	133.3	133.3
20°	642.4	633.3	624.2	536.3	436.3	290.9	172.7	115.1	106.1	103.0	103.0
22.5°	663.6	660.6	624.2	515.1	363.6	178.8	109.1	103.0	103.0	100.0	100.0
25°	693.9	684.8	621.2	472.7	257.6	112.1	100.0	100.0	97.0	93.9	93.9
27.5°	733.3	712.1	615.1	433.3	151.5	93.9	93.9	93.9	84.8	81.8	81.8
30°	763.6	730.3	596.9	339.4	93.9	84.8	84.8	81.8	72.7	66.7	63.6
32.5°	787.8	748.5	587.9	230.3	81.8	78.8	72.7	66.7	57.6	51.5	51.5
35°	848.4	796.9	584.8	136.4	78.8	69.7	60.6	51.5	45.5	42.4	39.4
37.5°	906.0	854.5	563.6	87.9	72.7	63.6	51.5	42.4	36.4	33.3	33.3
40°	990.9	915.1	518.2	75.8	66.7	54.5	42.4	33.3	30.3	27.3	27.3
42.5°	1103.0	987.8	430.3	66.7	57.6	48.5	33.3	27.3	24.2	21.2	21.2
45°	1233.3	1078.7	293.9	63.6	54.5	39.4	30.3	24.2	21.2	18.2	18.2
47.5°	1390.8	1163.6	181.8	57.6	45.5	33.3	24.2	18.2	15.2	12.1	12.1
50°	1584.8	1263.6	112.1	51.5	39.4	27.3	21.2	15.2	12.1	9.1	9.1
52.5°	1778.7	1375.7	81.8	45.5	36.4	24.2	18.2	12.1	9.1	9.1	9.1
55°	1957.5	1457.5	66.7	42.4	30.3	21.2	15.2	12.1	9.1	6.1	6.1
57.5°	2157.5	1512.1	57.6	36.4	27.3	18.2	15.2	9.1	9.1	6.1	6.1
60°	2384.7	1548.4	48.5	33.3	21.2	15.2	12.1	9.1	6.1	6.1	3.0
62.5°	2615.0	1569.6	39.4	27.3	18.2	12.1	9.1	9.1	6.1	3.0	3.0
65°	2790.8	1572.7	30.3	21.2	15.2	12.1	9.1	6.1	3.0	3.0	0.0
67.5°	2805.9	1442.4	27.3	18.2	12.1	9.1	6.1	6.1	3.0	0.0	0.0
70°	2475.6	1124.2	21.2	15.2	9.1	6.1	6.1	3.0	0.0	0.0	0.0
72.5°	1512.1	575.7	18.2	12.1	9.1	6.1	3.0	3.0	0.0	0.0	0.0
75°	506.0	139.4	15.2	9.1	6.1	6.1	3.0	3.0	0.0	0.0	0.0
77.5°	109.1	42.4	12.1	9.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0
80°	39.4	21.2	9.1	6.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0
82.5°	18.2	12.1	9.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0	0.0
85°	9.1	6.1	6.1	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	3.0	0.0	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)