

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: P483067

Luminaire Tested: **IFLD-S-SA2C-722-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483067  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-722-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

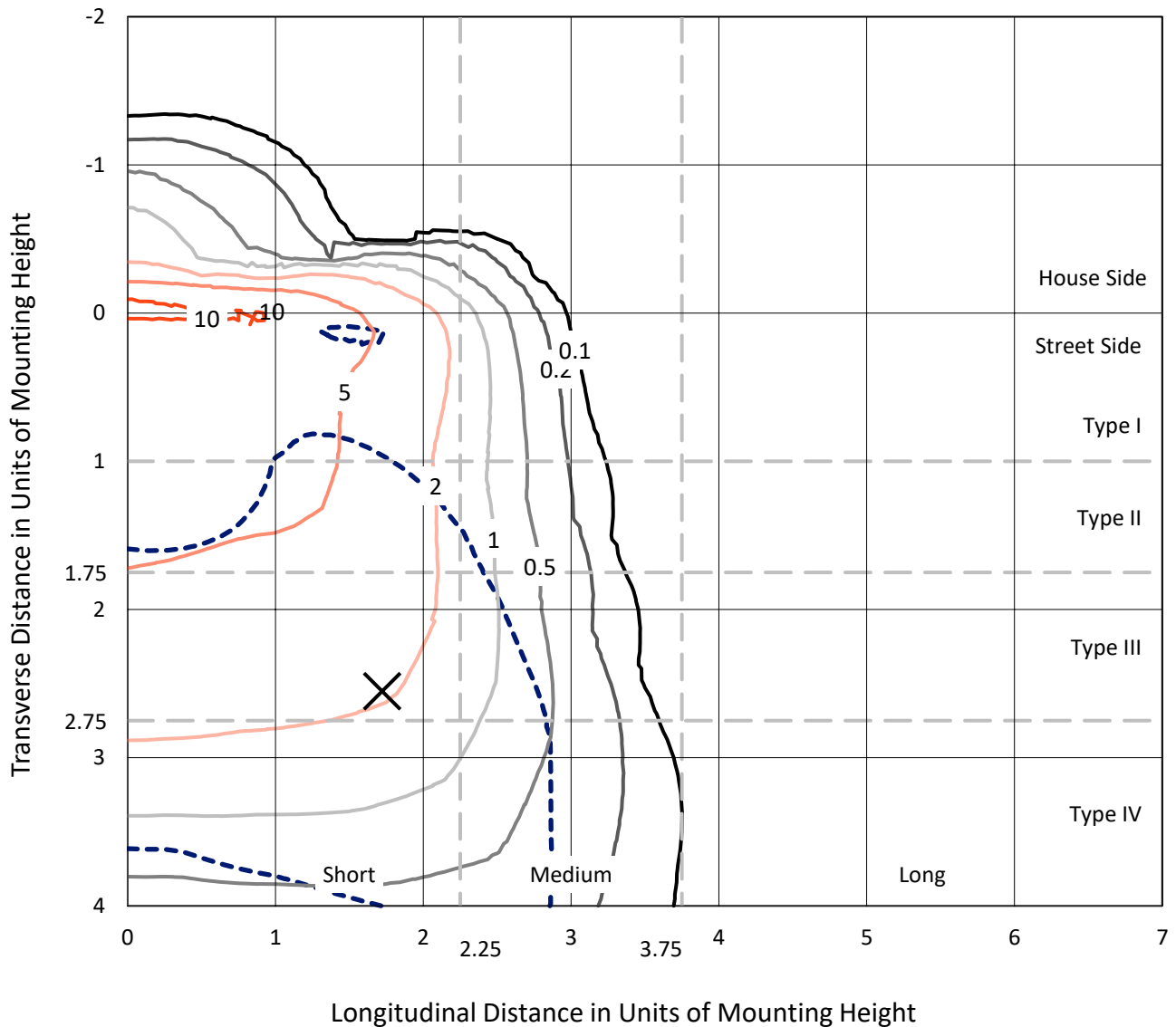
Lumens per Lamp: N/A  
Luminaire Lumens: 7570.4 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2  
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

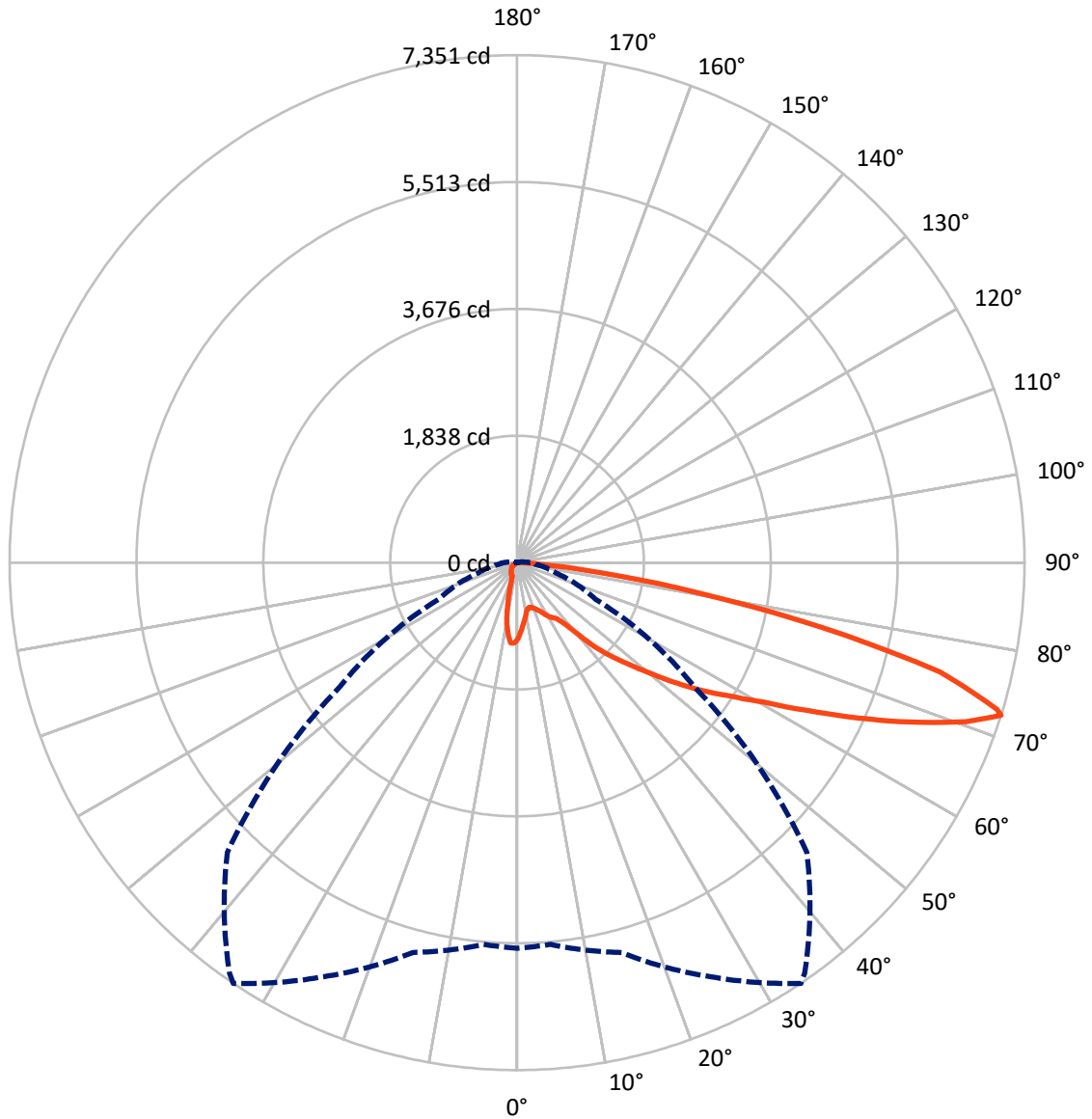
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	775.0	0.0	775.0
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	6795.4	0.0	6795.4
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	7570.4	0.0	7570.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.1	1.3
10°-20°	217.7	2.9
20°-30°	328.6	4.3
30°-40°	533.2	7.0
40°-50°	1002.6	13.2
50°-60°	1639.3	21.7
60°-70°	2179.2	28.8
70°-80°	1459.4	19.3
80°-90°	114.4	1.5
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°	7570.4	100.0
0°-180°	7570.4	100.0

**Coefficient of Utilization**

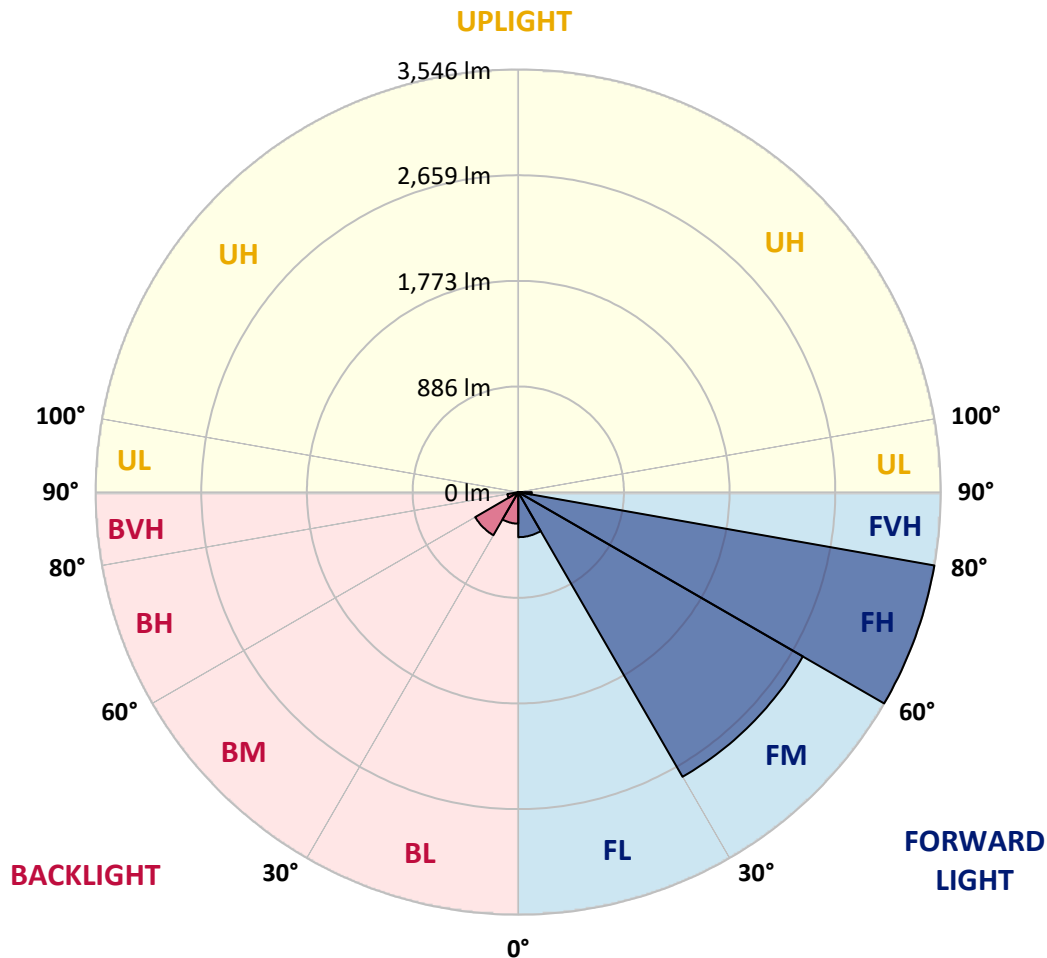


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.9	5.0			
FM (30°-60°)	2757.9	36.4			
FH (60°-80°)	3545.9	46.8			G2/5000
FVH (80°-90°)	113.6	1.5			G2/225
BL (0°-30°)	264.4	3.5	B1/500		
BM (30°-60°)	417.2	5.5	B1/1000		
BH (60°-80°)	92.7	1.2	B0/110		G0/110
BVH (80°-90°)	0.7	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°	34°	35°	45°	55°	65°	75°	85°
0°	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6
2.5°	979.5	977.3	983.9	994.8	1005.8	1001.4	1022.2	1044.1	1059.4	1080.2	1105.4
5°	855.8	861.3	867.9	889.8	904.0	907.3	945.6	974.0	1021.1	1069.3	1114.1
7.5°	743.1	749.7	762.8	786.9	816.4	824.1	862.4	919.3	980.6	1044.1	1117.4
10°	661.0	667.6	681.8	697.1	736.5	736.5	789.1	867.9	947.8	1022.2	1118.5
12.5°	643.5	646.8	645.7	657.8	682.9	688.4	739.8	826.3	919.3	1014.5	1136.0
15°	664.3	666.5	655.6	649.0	670.9	676.4	724.5	801.1	900.7	1018.9	1164.5
17.5°	705.9	698.2	676.4	666.5	685.1	688.4	733.3	800.0	898.5	1031.0	1197.3
20°	730.0	738.7	700.4	681.8	708.1	712.5	760.6	817.5	909.5	1051.7	1243.3
22.5°	772.7	777.0	725.6	713.6	738.7	738.7	793.5	852.6	935.7	1085.7	1298.0
25°	832.9	827.4	767.2	755.2	779.2	789.1	843.8	908.4	976.2	1117.4	1348.3
27.5°	879.9	883.2	834.0	802.2	842.7	849.3	908.4	968.6	1006.9	1143.7	1409.6
30°	950.0	943.4	890.9	854.7	905.1	906.2	963.1	1025.5	1066.0	1190.7	1501.6
32.5°	1033.1	1020.0	959.8	908.4	948.9	958.7	1016.7	1107.6	1157.9	1279.4	1643.8
35°	1209.3	1177.6	1079.1	999.2	1002.5	1006.9	1096.6	1226.9	1284.9	1392.1	1834.3
37.5°	1466.5	1453.4	1341.8	1189.6	1131.6	1118.5	1219.2	1384.5	1456.7	1541.0	2081.6
40°	1721.5	1702.9	1599.0	1484.0	1379.0	1352.7	1403.1	1593.5	1659.2	1747.8	2335.5
42.5°	2005.0	1972.2	1849.6	1756.6	1690.9	1662.4	1642.7	1856.1	1930.6	1990.8	2583.9
45°	2291.7	2238.1	2060.8	1989.7	1954.6	1939.3	1937.1	2186.7	2231.5	2243.6	2859.7
47.5°	2543.4	2485.4	2324.6	2244.7	2218.4	2214.0	2336.6	2567.5	2532.5	2500.8	3167.3
50°	2737.2	2700.0	2583.9	2555.5	2535.8	2528.1	2814.9	2959.3	2797.4	2741.5	3437.6
52.5°	3037.0	2953.9	2822.5	2832.4	2901.3	2902.4	3299.7	3331.4	3017.3	2906.8	3692.6
55°	3276.7	3222.0	3114.7	3100.5	3282.2	3301.9	3734.2	3613.8	3139.9	3064.4	3786.7
57.5°	3559.1	3533.9	3456.2	3458.4	3648.8	3690.4	4120.5	3852.4	3241.7	3166.2	3800.9
60°	3967.3	3895.1	3854.6	3873.2	4097.5	4138.0	4494.8	4024.2	3290.9	3232.9	3765.9
62.5°	4418.2	4333.9	4290.2	4385.4	4712.6	4719.2	4779.4	4176.3	3260.3	3250.4	3540.5
65°	4961.0	4877.9	4842.8	5034.4	5422.9	5398.8	5178.8	4240.9	3162.9	3074.2	2948.4
67.5°	5501.7	5451.3	5379.1	5684.5	6168.2	6168.2	5593.6	4216.8	2907.9	2467.9	1928.4
70°	5757.8	5792.8	5907.7	6387.1	6900.4	6847.8	6002.9	3939.9	2164.8	1325.4	758.4
72°	5587.0	5550.9	5847.5	6616.9	7351.3	7264.8	5934.0	3132.3	1250.9	581.1	263.8
72.5°	5293.7	5327.7	5735.9	6585.2	7267.0	7338.1	5765.4	2889.3	1028.8	462.9	199.2
75°	3246.1	3304.1	4281.4	5591.4	6332.4	6252.5	4459.8	1376.8	395.1	197.0	71.1
77.5°	1185.3	1233.4	2077.2	3518.6	4503.6	4453.2	2580.7	489.2	214.5	146.7	36.1
80°	308.6	333.8	705.9	1623.0	2648.5	2651.8	1080.2	195.9	145.6	120.4	21.9
82.5°	61.3	67.9	216.7	631.5	1237.8	1221.4	341.5	105.1	109.4	98.5	15.3
85°	7.7	9.8	46.0	214.5	400.6	359.0	84.3	52.5	81.0	76.6	9.8
87.5°	1.1	1.1	10.9	49.2	84.3	82.1	17.5	16.4	36.1	47.1	5.5
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°	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6	1107.6
2.5°	1119.6	1124.0	1139.3	1152.4	1167.8	1172.1	1165.6	1176.5	1161.2	1169.9	1172.1
5°	1121.8	1147.0	1175.4	1194.0	1189.6	1178.7	1169.9	1140.4	1119.6	1111.9	1128.4
7.5°	1137.1	1165.6	1196.2	1196.2	1172.1	1115.2	1060.5	1008.0	964.2	942.3	960.9
10°	1156.8	1186.4	1218.1	1176.5	1086.8	982.8	905.1	806.6	739.8	704.8	708.1
12.5°	1183.1	1224.7	1235.6	1139.3	990.5	836.1	695.0	558.2	494.7	444.3	445.4
15°	1217.0	1257.5	1224.7	1058.3	867.9	640.2	470.6	340.4	290.0	263.8	263.8
17.5°	1261.9	1292.5	1221.4	983.9	702.6	437.8	288.9	229.8	218.9	214.5	214.5
20°	1314.4	1337.4	1189.6	867.9	522.0	281.3	212.3	205.8	206.8	204.7	204.7
22.5°	1373.5	1381.2	1153.5	733.3	353.5	207.9	198.1	199.2	200.3	198.1	199.2
25°	1435.9	1415.1	1101.0	575.7	235.3	189.3	191.5	193.7	194.8	195.9	195.9
27.5°	1505.9	1464.3	1027.7	421.4	183.9	178.4	185.0	191.5	192.6	192.6	191.5
30°	1608.8	1539.9	956.5	285.6	162.0	166.4	177.3	185.0	190.4	190.4	189.3
32.5°	1739.0	1618.7	856.9	194.8	149.9	152.1	160.9	176.2	188.2	189.3	186.1
35°	1919.6	1713.9	753.0	155.4	141.2	142.3	147.7	159.8	180.6	187.1	186.1
37.5°	2110.1	1822.2	623.8	140.1	134.6	133.5	136.8	146.7	165.3	181.7	182.8
40°	2312.5	1936.0	488.1	132.4	129.1	127.0	128.0	132.4	146.7	167.4	171.8
42.5°	2503.0	2038.9	366.6	124.8	123.7	121.5	121.5	122.6	130.2	144.5	146.7
45°	2708.7	2123.2	279.1	119.3	116.0	117.1	112.7	110.5	116.0	117.1	116.0
47.5°	2901.3	2207.5	223.3	112.7	109.4	109.4	104.0	99.6	99.6	89.7	88.6
50°	3081.9	2253.4	178.4	104.0	102.9	101.8	94.1	86.5	79.9	67.9	65.7
52.5°	3231.8	2251.2	137.9	93.0	96.3	93.0	81.0	70.0	60.2	49.2	47.1
55°	3276.7	2146.2	104.0	76.6	82.1	77.7	64.6	54.7	43.8	35.0	33.9
57.5°	3238.4	1986.4	78.8	59.1	63.5	59.1	49.2	40.5	30.6	24.1	21.9
60°	3110.4	1799.2	61.3	46.0	48.2	44.9	37.2	30.6	21.9	15.3	13.1
62.5°	2867.4	1565.0	47.1	36.1	35.0	35.0	28.5	23.0	15.3	8.8	7.7
65°	2353.0	1220.3	36.1	25.2	25.2	25.2	21.9	16.4	9.8	4.4	2.2
67.5°	1477.5	710.3	29.5	19.7	18.6	18.6	15.3	10.9	5.5	1.1	0.0
70°	556.0	260.5	23.0	15.3	14.2	14.2	10.9	6.6	3.3	0.0	0.0
72°	191.5	99.6	18.6	10.9	10.9	9.8	7.7	5.5	2.2	0.0	0.0
72.5°	157.6	79.9	17.5	10.9	9.8	9.8	7.7	5.5	2.2	0.0	0.0
75°	56.9	32.8	12.0	7.7	6.6	6.6	5.5	3.3	1.1	0.0	0.0
77.5°	28.5	20.8	9.8	6.6	5.5	3.3	3.3	2.2	1.1	0.0	0.0
80°	17.5	13.1	5.5	4.4	3.3	2.2	1.1	1.1	0.0	0.0	0.0
82.5°	12.0	7.7	3.3	3.3	2.2	1.1	0.0	0.0	0.0	0.0	0.0
85°	7.7	3.3	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	2.2	1.1	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)