

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: P483475

Luminaire Tested: **IFLD-S-SA6A-722-U-T4W-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483475
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

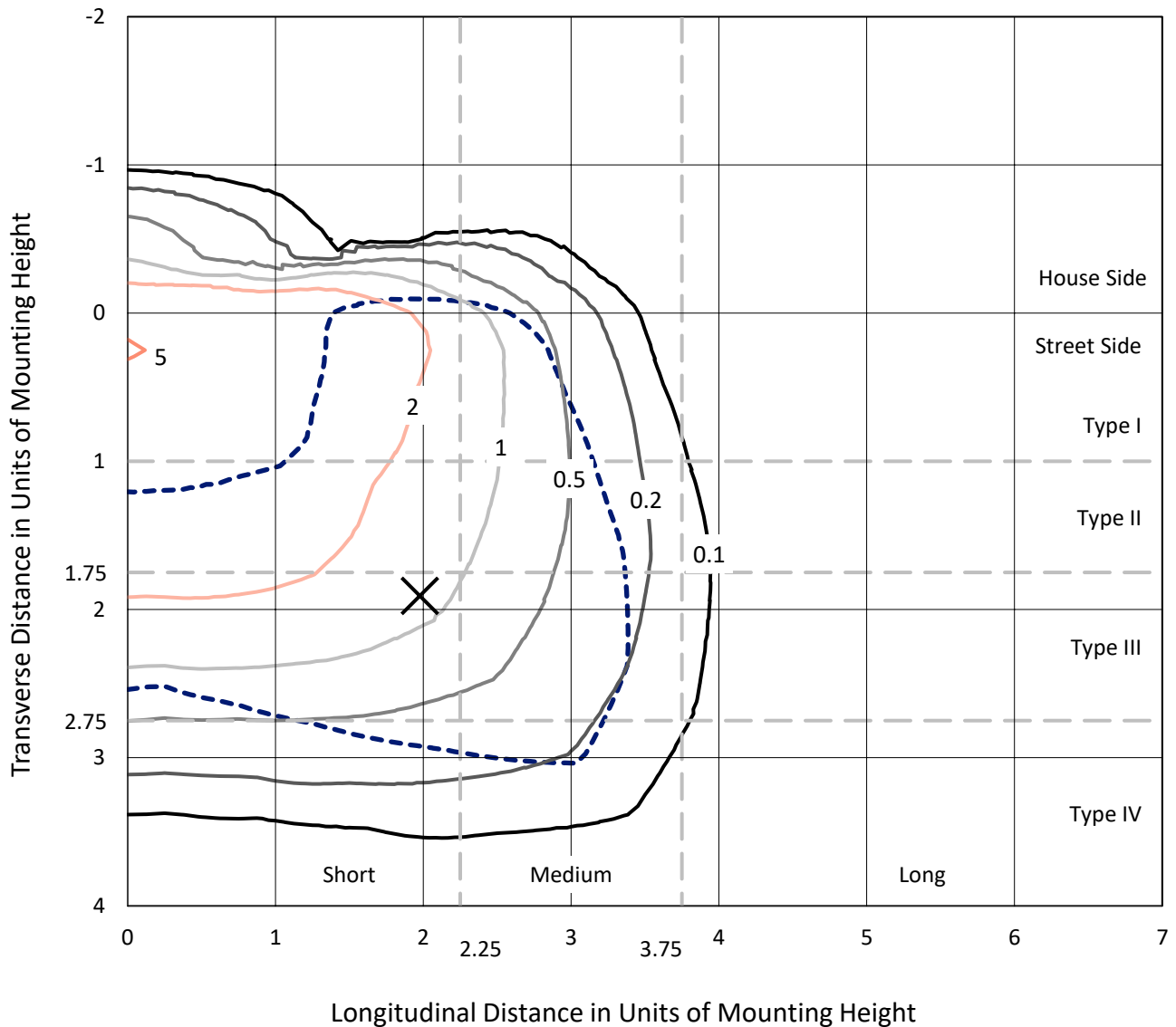
Lumens per Lamp: N/A
Luminaire Lumens: 14668.8 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 189.6
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

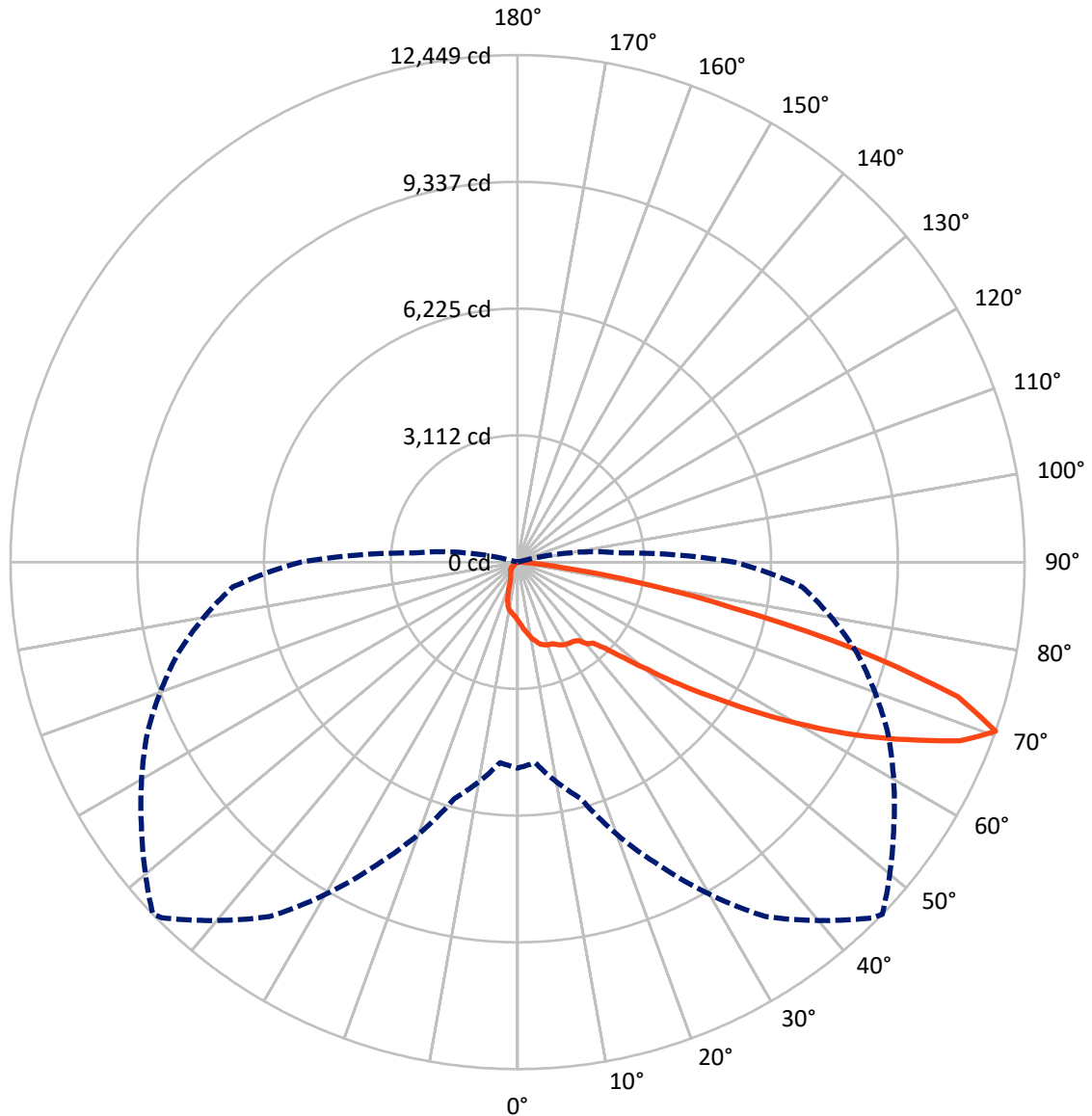
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1459.6	0.0	1459.6
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	13209.2	0.0	13209.2
	% Fixture	90.0	0.0	90.0
Total	Lumens	14668.8	0.0	14668.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	1.0
10°-20°	433.6	3.0
20°-30°	694.6	4.7
30°-40°	991.4	6.8
40°-50°	1711.9	11.7
50°-60°	3277.5	22.3
60°-70°	4853.5	33.1
70°-80°	2403.9	16.4
80°-90°	158.8	1.1
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°	14668.8	100.0
0°-180°	14668.8	100.0



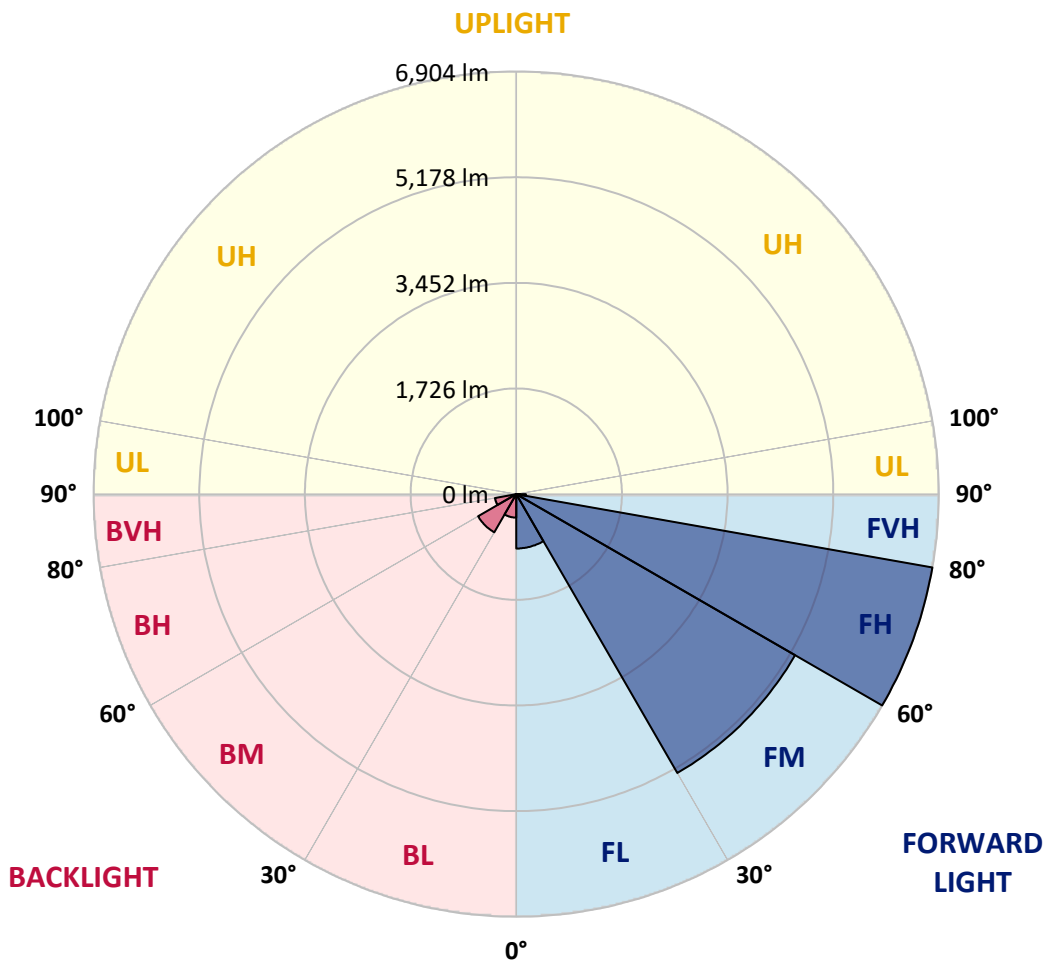
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	888.3	6.1			
FM (30°-60°)	5260.2	35.9			
FH (60°-80°)	6903.9	47.1			G3/7500
FVH (80°-90°)	156.8	1.1			G2/225
BL (0°-30°)	383.5	2.6	B1/500		
BM (30°-60°)	720.6	4.9	B1/1000		
BH (60°-80°)	353.5	2.4	B1/500		G1/500
BVH (80°-90°)	2.0	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0
2.5°	1606.8	1596.3	1579.4	1573.0	1556.1	1547.7	1535.0	1528.7	1505.5	1482.2	1467.5
5°	1803.2	1777.8	1786.3	1761.0	1706.1	1661.7	1659.6	1611.0	1558.3	1516.0	1459.0
7.5°	2001.7	1980.5	1948.9	1913.0	1851.7	1786.3	1767.3	1720.8	1646.9	1573.0	1497.0
10°	2151.6	2136.8	2109.3	2058.7	1974.2	1900.3	1902.4	1824.3	1746.2	1661.7	1558.3
12.5°	2244.5	2250.8	2210.7	2160.0	2086.1	1993.2	1991.1	1938.3	1849.6	1761.0	1638.5
15°	2337.4	2360.6	2299.4	2240.3	2145.2	2077.7	2090.3	2027.0	1940.4	1839.1	1703.9
17.5°	2352.2	2358.5	2345.8	2259.3	2189.6	2132.6	2134.7	2092.5	2027.0	1917.2	1801.1
20°	2326.8	2322.6	2307.8	2244.5	2198.0	2164.2	2166.4	2155.8	2119.9	2031.2	1872.9
22.5°	2252.9	2252.9	2233.9	2191.7	2170.6	2202.3	2176.9	2217.0	2179.0	2126.2	1995.3
25°	2193.8	2217.0	2206.5	2179.0	2187.5	2229.7	2242.4	2280.4	2274.0	2208.6	2079.8
27.5°	2257.1	2229.7	2236.0	2204.4	2236.0	2299.4	2305.7	2333.2	2331.1	2278.3	2155.8
30°	2299.4	2324.7	2276.2	2206.5	2240.3	2347.9	2343.7	2379.6	2396.5	2333.2	2227.6
32.5°	2434.5	2413.4	2373.3	2280.4	2284.6	2345.8	2364.8	2411.3	2421.8	2383.8	2297.3
35°	2711.1	2679.4	2504.2	2364.8	2343.7	2373.3	2385.9	2476.7	2495.7	2453.5	2371.2
37.5°	3137.6	3065.8	2854.7	2546.4	2451.4	2445.1	2445.1	2565.4	2637.2	2540.1	2481.0
40°	3747.8	3646.5	3418.5	2882.1	2592.9	2618.2	2643.5	2709.0	2700.6	2637.2	2624.5
42.5°	4524.9	4446.7	4199.7	3445.9	2863.1	2736.5	2715.3	2804.0	2937.0	2911.7	2903.3
45°	5173.1	5177.3	5018.9	4218.7	3329.8	3008.8	3023.6	3091.2	3315.0	3296.0	3293.9
47.5°	5646.0	5586.9	5563.7	4964.0	4009.7	3526.1	3505.0	3551.5	3842.9	3963.2	4018.1
50°	6076.8	6036.7	5981.8	5688.3	4826.8	4174.4	4153.2	4157.5	4603.0	4771.9	4907.0
52.5°	6611.0	6661.7	6480.1	6300.6	5884.6	5016.8	4993.6	4911.3	5464.5	5696.7	5857.2
55°	7269.8	7174.7	6969.9	7062.8	6896.0	5926.9	5884.6	5787.5	6446.3	6543.4	6712.3
57.5°	7415.4	7343.7	7554.8	7884.2	8044.7	6995.3	6978.4	6803.1	7271.9	7183.2	7660.4
60°	7778.6	7797.6	8091.1	8745.7	9024.4	8228.4	8146.0	7837.7	8072.1	8089.0	8597.9
62.5°	8152.3	8108.0	8764.7	9393.9	9822.5	9396.0	9368.5	8756.2	9022.3	8806.9	9480.5
65°	7877.9	7945.4	8885.0	9938.6	10857.1	10538.3	10515.1	9640.9	9786.6	9518.5	9839.4
67.5°	6902.4	6765.1	8080.6	9689.5	11389.2	11735.5	11710.2	10605.9	10217.4	9514.2	9094.1
70°	5059.1	4940.8	6013.4	8205.1	10627.0	12347.8	12449.2	11277.3	10042.1	8627.4	7016.4
72.5°	2478.9	2481.0	3369.9	5563.7	8407.8	11254.1	11304.8	10339.8	8627.4	6359.7	3973.8
75°	732.7	741.1	1247.9	2728.0	5434.9	8547.2	8604.2	7848.3	5979.7	3285.4	1355.6
77.5°	268.2	268.2	413.8	1024.1	2711.1	5394.8	5390.6	4818.3	3027.8	1112.7	316.7
80°	139.4	145.7	215.4	418.1	1174.0	2810.4	2915.9	2358.5	1150.7	468.7	92.9
82.5°	57.0	63.3	118.2	215.4	563.8	986.1	1079.0	924.8	500.4	327.3	42.2
85°	16.9	19.0	57.0	120.4	221.7	247.0	274.5	310.4	314.6	253.4	19.0
87.5°	2.1	2.1	23.2	40.1	48.6	52.8	61.2	61.2	160.5	177.4	10.6
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°	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0
2.5°	1450.6	1440.0	1423.1	1385.1	1376.7	1349.2	1347.1	1321.8	1330.2	1313.3	1307.0
5°	1440.0	1416.8	1370.3	1340.8	1311.2	1292.2	1279.5	1269.0	1266.9	1258.4	1254.2
7.5°	1459.0	1427.3	1355.6	1309.1	1258.4	1241.5	1214.1	1212.0	1197.2	1182.4	1182.4
10°	1522.4	1465.4	1387.2	1309.1	1243.6	1188.8	1125.4	1079.0	1062.1	1024.1	1028.3
12.5°	1573.0	1522.4	1408.3	1328.1	1228.9	1104.3	964.9	857.3	806.6	758.0	777.0
15°	1644.8	1570.9	1448.5	1332.3	1171.9	956.5	728.5	608.1	561.6	551.1	549.0
17.5°	1723.0	1644.8	1499.1	1321.8	1055.7	739.0	536.3	466.6	475.1	487.7	485.6
20°	1809.5	1714.5	1537.1	1285.9	872.0	536.3	439.2	437.1	449.7	468.7	473.0
22.5°	1900.3	1818.0	1583.6	1178.2	650.3	430.7	422.3	422.3	430.7	454.0	449.7
25°	2001.7	1891.9	1606.8	1011.4	466.6	397.0	401.2	409.6	413.8	432.8	435.0
27.5°	2079.8	1974.2	1613.2	810.8	380.1	367.4	378.0	388.5	394.8	409.6	416.0
30°	2151.6	2077.7	1579.4	603.9	348.4	342.1	346.3	361.1	373.7	386.4	386.4
32.5°	2242.4	2136.8	1501.2	428.6	329.4	318.8	316.7	323.1	337.8	352.6	352.6
35°	2335.3	2236.0	1376.7	344.2	312.5	297.7	289.3	282.9	289.3	299.8	308.3
37.5°	2470.4	2385.9	1220.4	316.7	299.8	278.7	261.8	247.0	236.5	234.4	240.7
40°	2662.5	2554.9	1019.8	297.7	285.0	259.7	234.4	209.0	185.8	171.0	173.1
42.5°	2953.9	2804.0	802.4	287.2	274.5	238.6	202.7	166.8	137.2	122.5	122.5
45°	3369.9	3133.4	589.1	276.6	261.8	213.3	166.8	124.6	95.0	86.6	88.7
47.5°	3997.0	3530.4	422.3	259.7	244.9	185.8	130.9	88.7	69.7	65.5	67.6
50°	4816.2	4001.2	329.4	240.7	223.8	156.2	97.1	65.5	54.9	52.8	54.9
52.5°	5675.6	4476.3	289.3	223.8	192.1	124.6	71.8	52.8	46.5	44.3	46.5
55°	6410.4	4782.5	251.3	198.5	154.1	92.9	57.0	46.5	40.1	33.8	33.8
57.5°	7153.6	4936.6	198.5	164.7	114.0	69.7	48.6	40.1	33.8	27.4	25.3
60°	7757.5	5046.4	141.5	122.5	80.2	54.9	42.2	35.9	27.4	21.1	19.0
62.5°	8154.5	4731.8	103.5	92.9	59.1	46.5	35.9	29.6	21.1	14.8	14.8
65°	7958.1	4296.8	80.2	65.5	44.3	35.9	29.6	21.1	14.8	8.4	6.3
67.5°	7141.0	3500.8	65.5	48.6	33.8	27.4	23.2	16.9	8.4	2.1	2.1
70°	5327.2	2565.4	52.8	35.9	27.4	21.1	16.9	10.6	4.2	2.1	0.0
72.5°	2913.8	1404.1	42.2	29.6	21.1	16.9	12.7	8.4	4.2	0.0	0.0
75°	962.8	373.7	31.7	21.1	12.7	10.6	8.4	6.3	2.1	0.0	0.0
77.5°	232.3	97.1	25.3	19.0	10.6	6.3	4.2	2.1	2.1	0.0	0.0
80°	71.8	40.1	19.0	12.7	8.4	6.3	2.1	0.0	0.0	0.0	0.0
82.5°	29.6	19.0	8.4	8.4	6.3	2.1	0.0	0.0	0.0	0.0	0.0
85°	14.8	10.6	6.3	4.2	4.2	2.1	0.0	0.0	0.0	0.0	0.0
87.5°	10.6	4.2	2.1	2.1	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)