

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: P1210774

Luminaire Tested: **ARCH3-70-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-70-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 580mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7141 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

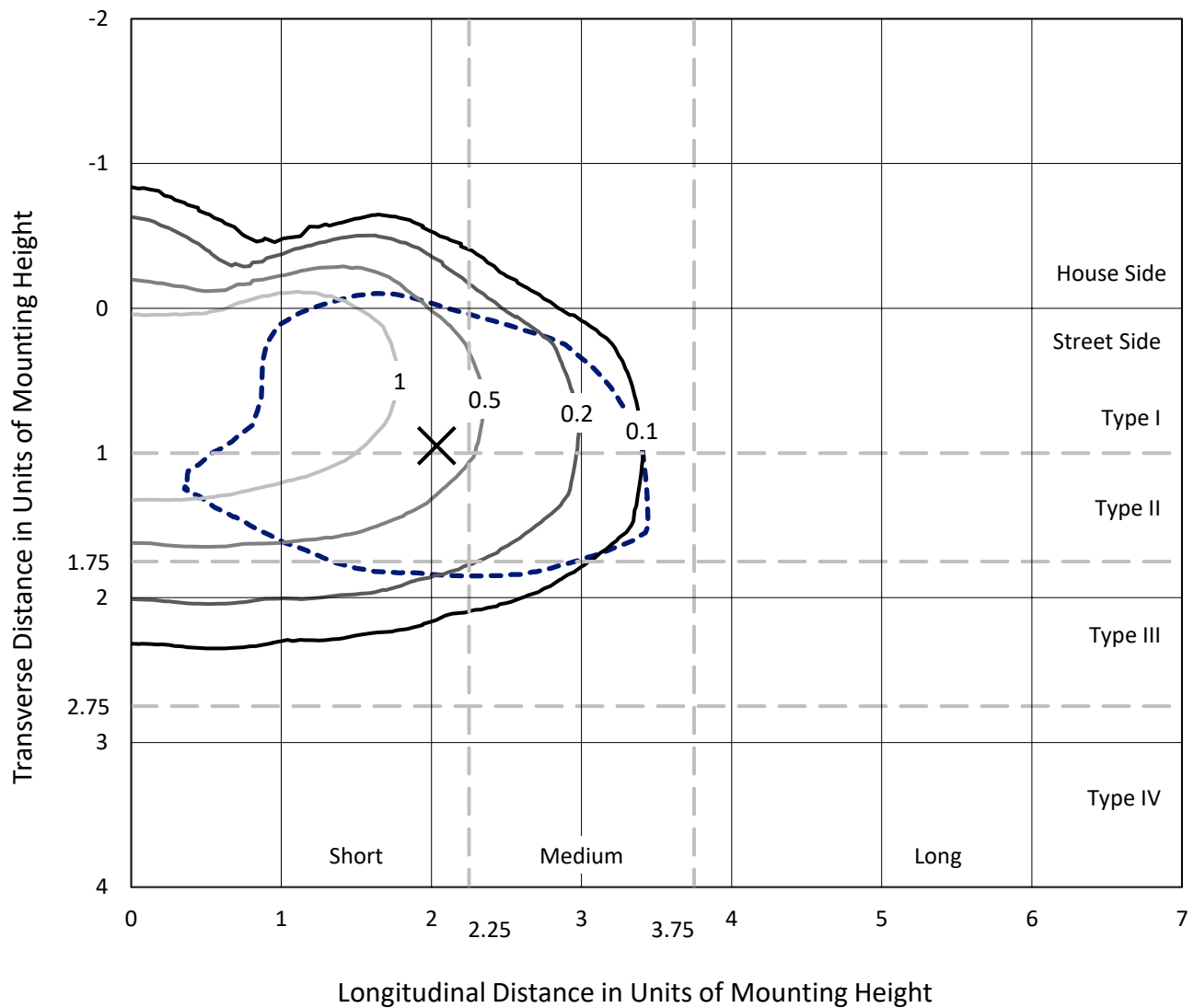
Input Watts (W): 73.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

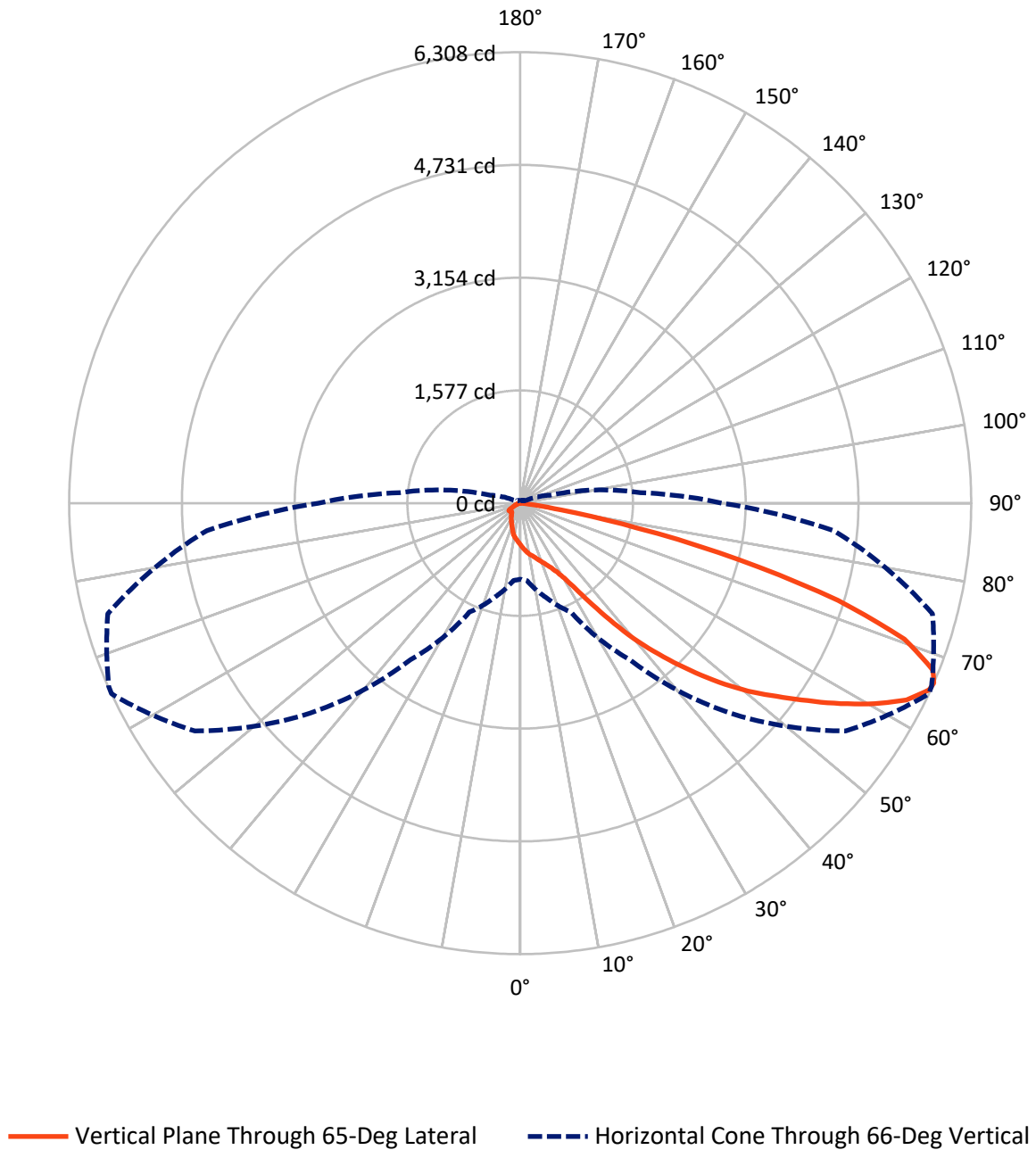
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	842.8	0.0	842.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6298.2	0.0	6298.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	7141.0	0.0	7141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	0.8
10°-20°	163.3	2.3
20°-30°	298.8	4.2
30°-40°	607.2	8.5
40°-50°	1282.3	18.0
50°-60°	1971.4	27.6
60°-70°	1984.3	27.8
70°-80°	741.4	10.4
80°-90°	37.0	0.5
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°	7141.0	100.0
0°-180°	7141.0	100.0

Coefficient of Utilization



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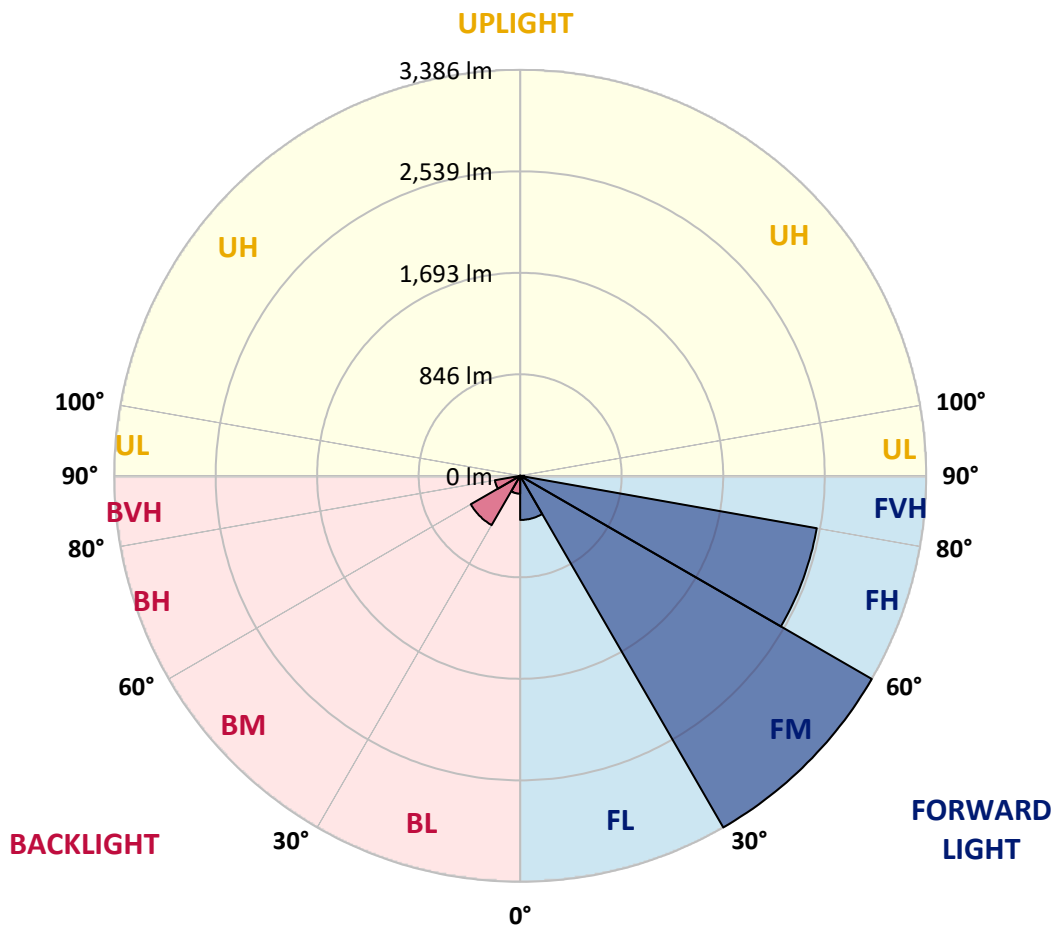
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.1	5.2			
FM	(30°-60°)	3385.8	47.4			
FH	(60°-80°)	2511.7	35.2			G2/5000
FVH	(80°-90°)	32.7	0.5			G1/100
BL	(0°-30°)	149.2	2.1	B1/500		
BM	(30°-60°)	475.2	6.7	B1/1000		
BH	(60°-80°)	214.1	3.0	B1/500		G1/500
BVH	(80°-90°)	4.4	0.1			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8
2.5°	663.4	664.7	662.1	656.9	651.8	645.3	634.9	618.1	615.5	603.8	590.9
5°	708.8	711.4	707.5	706.2	703.6	694.5	680.3	655.6	653.1	629.7	599.9
7.5°	724.3	728.2	725.6	725.6	725.6	721.7	715.3	693.2	689.3	659.5	614.2
10°	736.0	738.6	737.3	742.5	746.4	743.8	739.9	726.9	723.0	693.2	633.6
12.5°	754.1	755.4	756.7	759.3	765.8	768.4	767.1	755.4	752.8	732.1	658.2
15°	771.0	771.0	772.3	783.9	793.0	798.2	799.5	790.4	787.8	771.0	689.3
17.5°	786.5	787.8	791.7	804.7	820.2	830.6	837.1	833.2	829.3	816.3	725.6
20°	809.8	812.4	816.3	834.5	850.0	866.9	879.8	878.5	877.2	868.2	768.4
22.5°	850.0	852.6	859.1	875.9	891.5	912.2	934.2	932.9	929.1	922.6	818.9
25°	910.9	910.9	914.8	929.1	948.5	973.1	993.8	997.7	993.8	990.0	882.4
27.5°	987.4	988.7	988.7	1004.2	1022.3	1053.4	1079.4	1083.2	1083.2	1079.4	967.9
30°	1093.6	1089.7	1087.1	1100.1	1119.5	1164.9	1210.2	1218.0	1214.1	1220.6	1088.4
32.5°	1276.3	1269.8	1247.8	1250.4	1262.1	1324.3	1400.7	1427.9	1426.6	1438.3	1282.8
35°	1529.0	1516.0	1483.6	1456.4	1455.1	1522.5	1639.1	1741.5	1740.2	1780.4	1578.2
37.5°	1814.0	1830.9	1770.0	1723.3	1709.1	1762.2	1912.5	2134.1	2145.8	2215.7	1965.6
40°	2195.0	2205.4	2127.6	2061.5	1994.2	2013.6	2211.8	2556.5	2577.2	2655.0	2353.1
42.5°	2526.7	2537.1	2491.7	2411.4	2325.9	2289.6	2513.7	2940.1	2956.9	3064.4	2752.2
45°	2752.2	2759.9	2775.5	2783.3	2686.1	2610.9	2883.0	3334.0	3354.7	3479.1	3142.2
47.5°	2928.4	2934.9	2966.0	3043.7	3024.3	2964.7	3258.8	3743.4	3748.6	3887.2	3521.8
50°	3010.0	3025.6	3102.0	3221.2	3306.7	3323.6	3667.0	4130.8	4145.1	4277.3	3880.8
52.5°	2919.3	2924.5	3117.6	3341.7	3514.1	3685.1	4076.4	4489.8	4531.2	4629.7	4203.4
55°	2613.5	2651.1	2943.9	3337.8	3677.3	4028.5	4514.4	4877.2	4914.8	4977.0	4487.2
57.5°	2258.5	2300.0	2656.3	3170.7	3747.3	4345.9	4920.0	5289.2	5315.2	5332.0	4747.6
60°	1951.4	1990.3	2357.0	2850.6	3677.3	4570.1	5297.0	5698.7	5720.7	5675.4	4878.5
62.5°	1574.3	1613.2	1982.5	2426.9	3402.6	4615.5	5576.9	6062.8	6071.9	5948.8	4798.2
65°	1186.9	1212.8	1521.2	1902.2	2921.9	4374.4	5640.4	6289.6	6280.5	6027.8	4557.1
66°	1063.8	1085.8	1357.9	1681.9	2671.8	4154.2	5554.9	6307.7	6298.6	5969.5	4399.1
67.5°	917.4	923.9	1148.0	1376.1	2235.2	3686.4	5294.4	6224.8	6232.5	5808.8	4110.1
70°	716.5	715.3	844.8	957.6	1526.4	2622.6	4415.9	5702.6	5740.2	5202.4	3505.0
72.5°	458.7	443.1	518.3	585.7	888.9	1522.5	3219.9	4647.8	4711.3	4086.8	2610.9
75°	273.4	257.9	276.0	292.8	426.3	732.1	1893.1	3162.9	3223.8	2620.0	1553.6
77.5°	204.7	198.2	199.5	185.3	189.2	274.7	864.3	1671.5	1715.6	1072.9	589.6
80°	156.8	139.9	130.9	137.3	124.4	108.8	321.3	575.3	602.5	254.0	123.1
82.5°	105.0	90.7	84.2	92.0	79.0	60.9	77.7	111.4	108.8	68.7	47.9
85°	54.4	46.6	46.6	46.6	40.2	29.8	33.7	45.4	45.4	36.3	28.5
87.5°	15.5	14.3	16.8	15.5	11.7	11.7	13.0	15.5	15.5	14.3	13.0
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°	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8
2.5°	580.5	575.3	561.1	550.7	540.3	531.3	520.9	518.3	513.1	514.4	511.8
5°	584.4	570.1	545.5	522.2	504.0	488.5	469.1	461.3	450.9	447.0	444.4
7.5°	589.6	568.8	532.6	500.2	469.1	438.0	406.9	388.7	377.1	371.9	368.0
10°	601.2	574.0	526.1	475.5	422.4	378.4	347.3	334.3	326.5	325.2	323.9
12.5°	616.8	581.8	519.6	444.4	374.5	333.0	313.6	309.7	308.4	308.4	307.1
15°	640.1	594.7	509.2	408.2	336.9	308.4	299.3	292.8	290.2	290.2	290.2
17.5°	663.4	610.3	493.7	370.6	311.0	292.8	283.8	279.9	277.3	278.6	277.3
20°	693.2	628.4	472.9	338.2	294.1	279.9	270.8	266.9	265.6	265.6	265.6
22.5°	726.9	649.2	447.0	313.6	279.9	266.9	257.9	254.0	251.4	252.7	252.7
25°	772.3	675.1	419.8	289.0	265.6	254.0	243.6	238.4	238.4	239.7	241.0
27.5°	830.6	706.2	392.6	273.4	252.7	241.0	229.3	224.2	225.5	228.1	228.1
30°	916.1	748.9	365.4	256.6	238.4	225.5	215.1	209.9	212.5	217.7	217.7
32.5°	1037.9	818.9	342.1	237.1	217.7	203.4	193.1	189.2	195.7	206.0	206.0
35°	1255.6	947.2	327.8	217.7	195.7	178.8	165.9	162.0	171.0	184.0	184.0
37.5°	1547.1	1153.2	333.0	200.8	177.5	158.1	143.8	138.6	145.1	156.8	160.7
40°	1872.4	1402.0	378.4	186.6	160.7	141.2	127.0	121.8	125.7	130.9	132.2
42.5°	2197.6	1666.3	463.9	176.2	147.7	127.0	114.0	110.1	112.7	114.0	115.3
45°	2521.5	1928.1	571.4	169.7	136.1	115.3	102.4	102.4	103.7	103.7	103.7
47.5°	2828.6	2183.3	684.2	168.4	125.7	103.7	93.3	94.6	94.6	95.9	95.9
50°	3118.9	2411.4	798.2	172.3	116.6	93.3	85.5	85.5	85.5	86.8	85.5
52.5°	3361.2	2610.9	917.4	178.8	107.5	85.5	77.7	77.7	77.7	79.0	77.7
55°	3590.5	2792.3	1039.2	187.9	99.8	79.0	71.3	68.7	68.7	70.0	68.7
57.5°	3777.1	2912.8	1154.5	189.2	93.3	72.6	66.1	62.2	62.2	62.2	62.2
60°	3784.9	2842.9	1188.2	165.9	85.5	66.1	59.6	54.4	55.7	55.7	55.7
62.5°	3537.4	2474.9	955.0	124.4	76.4	59.6	54.4	49.2	49.2	49.2	49.2
65°	3051.5	1925.5	559.8	98.5	66.1	53.1	47.9	44.1	44.1	44.1	42.8
66°	2823.4	1688.4	428.9	89.4	62.2	51.8	46.6	42.8	41.5	40.2	40.2
67.5°	2451.6	1334.6	268.2	79.0	57.0	47.9	42.8	38.9	37.6	36.3	36.3
70°	1846.4	847.4	130.9	60.9	49.2	41.5	37.6	33.7	32.4	31.1	29.8
72.5°	1295.7	496.3	68.7	46.6	40.2	36.3	32.4	28.5	27.2	25.9	25.9
75°	732.1	239.7	45.4	33.7	32.4	29.8	27.2	23.3	22.0	22.0	22.0
77.5°	277.3	82.9	31.1	24.6	25.9	23.3	19.4	19.4	18.1	19.4	18.1
80°	72.6	36.3	19.4	18.1	19.4	16.8	14.3	15.5	15.5	15.5	15.5
82.5°	38.9	20.7	11.7	13.0	11.7	11.7	9.1	10.4	11.7	10.4	11.7
85°	27.2	10.4	6.5	6.5	5.2	5.2	3.9	5.2	6.5	5.2	5.2
87.5°	14.3	3.9	3.9	3.9	3.9	2.6	1.3	0.0	1.3	1.3	1.3
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)