

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: P1211542

Luminaire Tested: **ARCH4-40-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211542
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: ARCH4-40-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 355mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

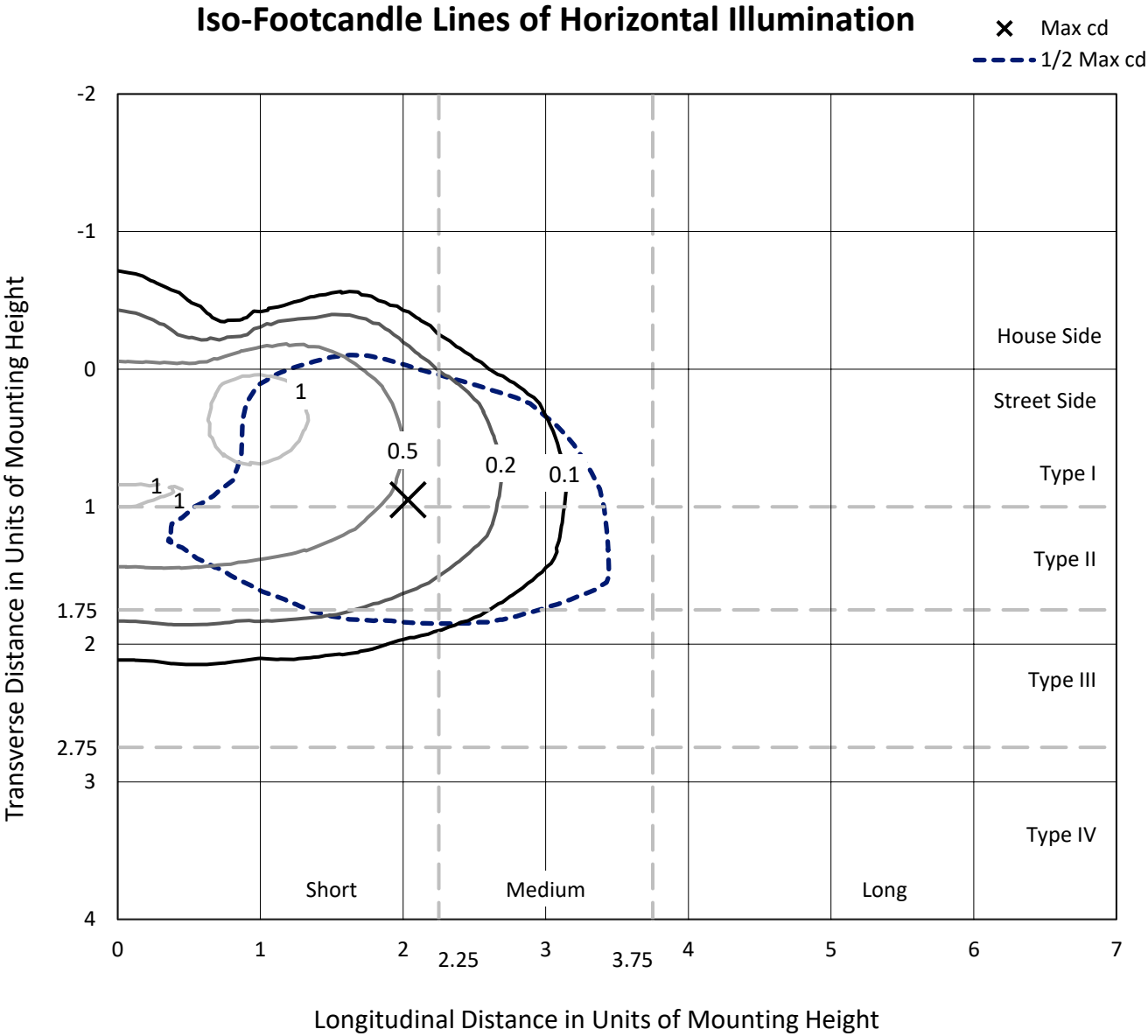
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4593 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 43.8
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

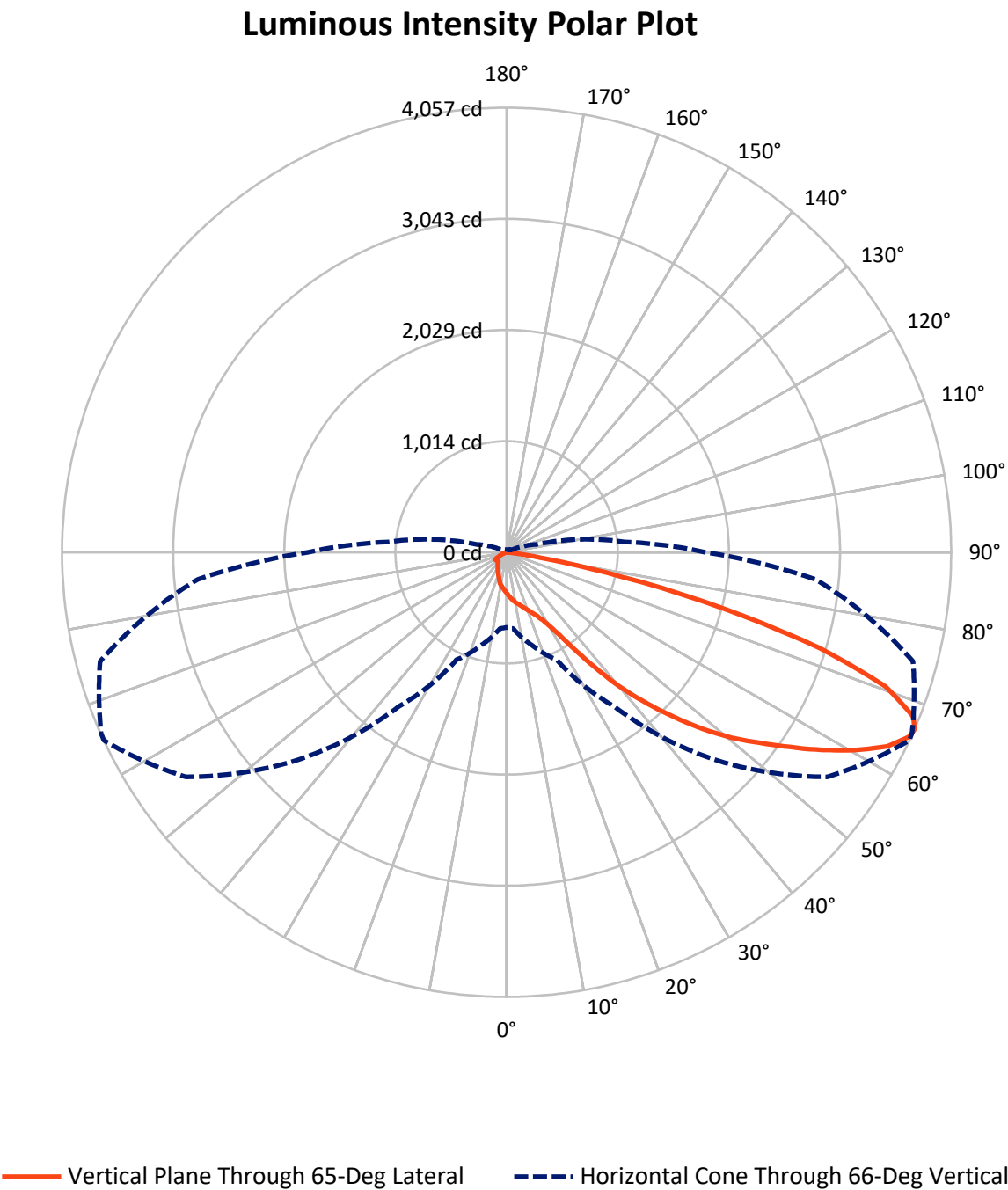


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Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	542.1	0.0	542.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4050.9	0.0	4050.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	4593.0	0.0	4593.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	0.8
10°-20°	105.0	2.3
20°-30°	192.2	4.2
30°-40°	390.6	8.5
40°-50°	824.8	18.0
50°-60°	1268.0	27.6
60°-70°	1276.3	27.8
70°-80°	476.9	10.4
80°-90°	23.8	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°	4593.0	100.0
0°-180°	4593.0	100.0

Coefficient of Utilization



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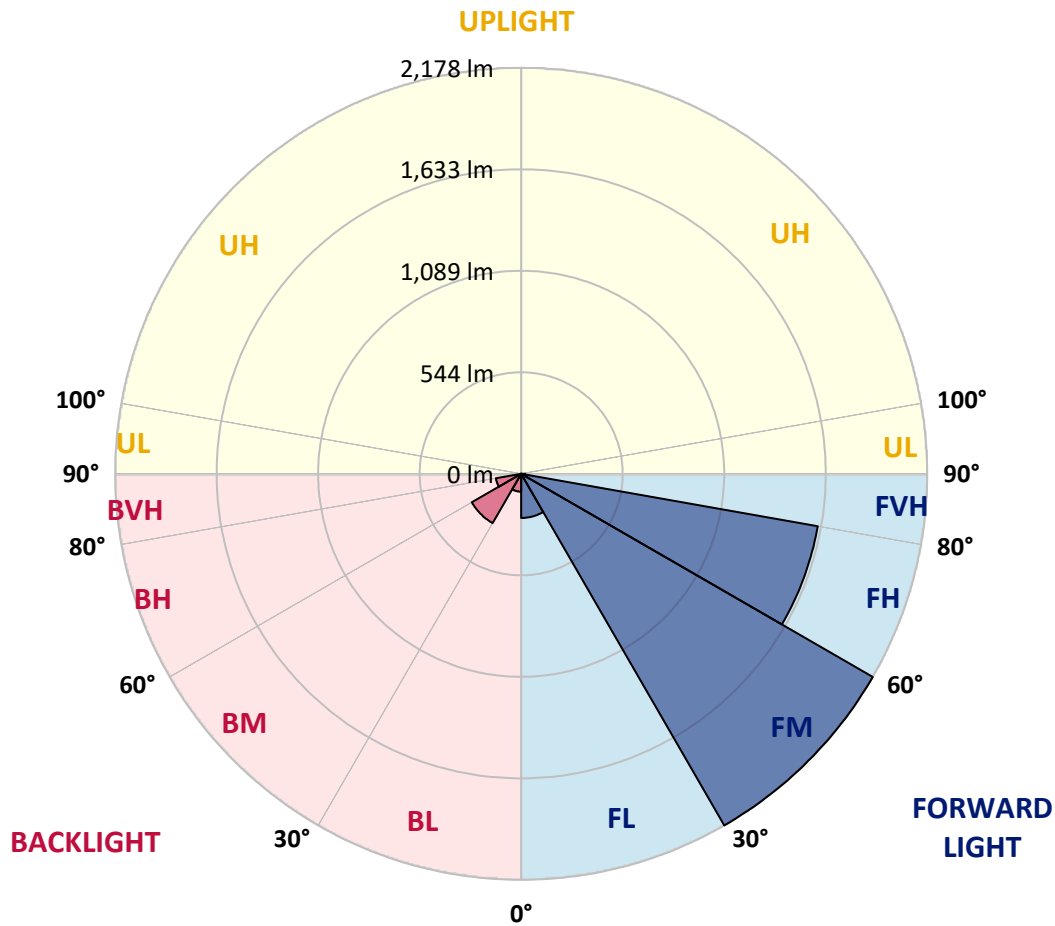
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.8	5.2			
FM	(30°-60°)	2177.7	47.4			
FH	(60°-80°)	1615.5	35.2			G1/1800
FVH	(80°-90°)	21.0	0.5			G1/100
BL	(0°-30°)	95.9	2.1	B0/110		
BM	(30°-60°)	305.6	6.7	B1/1000		
BH	(60°-80°)	137.7	3.0	B1/500		G1/500
BVH	(80°-90°)	2.8	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2
2.5°	426.7	427.5	425.9	422.5	419.2	415.0	408.4	397.5	395.9	388.4	380.0
5°	455.9	457.5	455.0	454.2	452.5	446.7	437.5	421.7	420.0	405.0	385.9
7.5°	465.9	468.4	466.7	466.7	466.7	464.2	460.0	445.9	443.4	424.2	395.0
10°	473.4	475.0	474.2	477.5	480.0	478.4	475.9	467.5	465.0	445.9	407.5
12.5°	485.0	485.9	486.7	488.4	492.5	494.2	493.4	485.9	484.2	470.9	423.4
15°	495.9	495.9	496.7	504.2	510.0	513.4	514.2	508.4	506.7	495.9	443.4
17.5°	505.9	506.7	509.2	517.5	527.5	534.2	538.4	535.9	533.4	525.0	466.7
20°	520.9	522.5	525.0	536.7	546.7	557.6	565.9	565.1	564.2	558.4	494.2
22.5°	546.7	548.4	552.5	563.4	573.4	586.7	600.9	600.1	597.6	593.4	526.7
25°	585.9	585.9	588.4	597.6	610.1	625.9	639.2	641.7	639.2	636.7	567.6
27.5°	635.1	635.9	635.9	645.9	657.6	677.6	694.2	696.7	696.7	694.2	622.6
30°	703.4	700.9	699.2	707.6	720.1	749.2	778.4	783.4	780.9	785.1	700.1
32.5°	820.9	816.7	802.6	804.2	811.7	851.7	900.9	918.4	917.6	925.1	825.1
35°	983.4	975.1	954.3	936.8	935.9	979.3	1054.3	1120.1	1119.3	1145.1	1015.1
37.5°	1166.8	1177.6	1138.4	1108.4	1099.3	1133.4	1230.1	1372.6	1380.1	1425.1	1264.3
40°	1411.8	1418.5	1368.5	1326.0	1282.6	1295.1	1422.6	1644.3	1657.6	1707.7	1513.5
42.5°	1625.1	1631.8	1602.6	1551.0	1496.0	1472.6	1616.8	1891.0	1901.8	1971.0	1770.2
45°	1770.2	1775.2	1785.2	1790.2	1727.7	1679.3	1854.3	2144.4	2157.7	2237.7	2021.0
47.5°	1883.5	1887.7	1907.7	1957.7	1945.2	1906.8	2096.0	2407.7	2411.0	2500.2	2265.2
50°	1936.0	1946.0	1995.2	2071.9	2126.9	2137.7	2358.5	2656.9	2666.1	2751.1	2496.1
52.5°	1877.7	1881.0	2005.2	2149.4	2260.2	2370.2	2621.9	2887.8	2914.4	2977.8	2703.6
55°	1681.0	1705.2	1893.5	2146.9	2365.2	2591.1	2903.6	3136.9	3161.1	3201.1	2886.1
57.5°	1452.6	1479.3	1708.5	2039.3	2410.2	2795.3	3164.5	3402.0	3418.6	3429.5	3053.6
60°	1255.1	1280.1	1516.0	1833.5	2365.2	2939.4	3407.0	3665.3	3679.5	3650.3	3137.8
62.5°	1012.6	1037.6	1275.1	1561.0	2188.5	2968.6	3587.0	3899.5	3905.4	3826.2	3086.1
65°	763.4	780.1	978.4	1223.4	1879.3	2813.6	3627.8	4045.4	4039.5	3877.0	2931.1
66°	684.2	698.4	873.4	1081.8	1718.5	2671.9	3572.8	4057.0	4051.2	3839.5	2829.4
67.5°	590.1	594.2	738.4	885.1	1437.6	2371.0	3405.3	4003.7	4008.7	3736.2	2643.6
70°	460.9	460.0	543.4	615.9	981.8	1686.8	2840.3	3667.8	3692.0	3346.1	2254.4
72.5°	295.0	285.0	333.4	376.7	571.7	979.3	2071.0	2989.4	3030.3	2628.6	1679.3
75°	175.8	165.8	177.5	188.4	274.2	470.9	1217.6	2034.3	2073.5	1685.2	999.3
77.5°	131.7	127.5	128.3	119.2	121.7	176.7	555.9	1075.1	1103.4	690.1	379.2
80°	100.8	90.0	84.2	88.3	80.0	70.0	206.7	370.0	387.5	163.3	79.2
82.5°	67.5	58.3	54.2	59.2	50.8	39.2	50.0	71.7	70.0	44.2	30.8
85°	35.0	30.0	30.0	30.0	25.8	19.2	21.7	29.2	29.2	23.3	18.3
87.5°	10.0	9.2	10.8	10.0	7.5	7.5	8.3	10.0	10.0	9.2	8.3
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°	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2
2.5°	373.4	370.0	360.9	354.2	347.5	341.7	335.0	333.4	330.0	330.9	329.2
5°	375.9	366.7	350.9	335.9	324.2	314.2	301.7	296.7	290.0	287.5	285.9
7.5°	379.2	365.9	342.5	321.7	301.7	281.7	261.7	250.0	242.5	239.2	236.7
10°	386.7	369.2	338.4	305.9	271.7	243.4	223.4	215.0	210.0	209.2	208.4
12.5°	396.7	374.2	334.2	285.9	240.9	214.2	201.7	199.2	198.4	198.4	197.5
15°	411.7	382.5	327.5	262.5	216.7	198.4	192.5	188.4	186.7	186.7	186.7
17.5°	426.7	392.5	317.5	238.4	200.0	188.4	182.5	180.0	178.3	179.2	178.3
20°	445.9	404.2	304.2	217.5	189.2	180.0	174.2	171.7	170.8	170.8	170.8
22.5°	467.5	417.5	287.5	201.7	180.0	171.7	165.8	163.3	161.7	162.5	162.5
25°	496.7	434.2	270.0	185.9	170.8	163.3	156.7	153.3	153.3	154.2	155.0
27.5°	534.2	454.2	252.5	175.8	162.5	155.0	147.5	144.2	145.0	146.7	146.7
30°	589.2	481.7	235.0	165.0	153.3	145.0	138.3	135.0	136.7	140.0	140.0
32.5°	667.6	526.7	220.0	152.5	140.0	130.8	124.2	121.7	125.8	132.5	132.5
35°	807.6	609.2	210.9	140.0	125.8	115.0	106.7	104.2	110.0	118.3	118.3
37.5°	995.1	741.7	214.2	129.2	114.2	101.7	92.5	89.2	93.3	100.8	103.3
40°	1204.3	901.7	243.4	120.0	103.3	90.8	81.7	78.3	80.8	84.2	85.0
42.5°	1413.5	1071.8	298.4	113.3	95.0	81.7	73.3	70.8	72.5	73.3	74.2
45°	1621.8	1240.1	367.5	109.2	87.5	74.2	65.8	65.8	66.7	66.7	66.7
47.5°	1819.3	1404.3	440.0	108.3	80.8	66.7	60.0	60.8	60.8	61.7	61.7
50°	2006.0	1551.0	513.4	110.8	75.0	60.0	55.0	55.0	55.0	55.8	55.0
52.5°	2161.9	1679.3	590.1	115.0	69.2	55.0	50.0	50.0	50.0	50.8	50.0
55°	2309.4	1796.0	668.4	120.8	64.2	50.8	45.8	44.2	44.2	45.0	44.2
57.5°	2429.4	1873.5	742.6	121.7	60.0	46.7	42.5	40.0	40.0	40.0	40.0
60°	2434.4	1828.5	764.2	106.7	55.0	42.5	38.3	35.0	35.8	35.8	35.8
62.5°	2275.2	1591.8	614.2	80.0	49.2	38.3	35.0	31.7	31.7	31.7	31.7
65°	1962.7	1238.4	360.0	63.3	42.5	34.2	30.8	28.3	28.3	28.3	27.5
66°	1816.0	1085.9	275.9	57.5	40.0	33.3	30.0	27.5	26.7	25.8	25.8
67.5°	1576.8	858.4	172.5	50.8	36.7	30.8	27.5	25.0	24.2	23.3	23.3
70°	1187.6	545.0	84.2	39.2	31.7	26.7	24.2	21.7	20.8	20.0	19.2
72.5°	833.4	319.2	44.2	30.0	25.8	23.3	20.8	18.3	17.5	16.7	16.7
75°	470.9	154.2	29.2	21.7	20.8	19.2	17.5	15.0	14.2	14.2	14.2
77.5°	178.3	53.3	20.0	15.8	16.7	15.0	12.5	12.5	11.7	12.5	11.7
80°	46.7	23.3	12.5	11.7	12.5	10.8	9.2	10.0	10.0	10.0	10.0
82.5°	25.0	13.3	7.5	8.3	7.5	7.5	5.8	6.7	7.5	6.7	7.5
85°	17.5	6.7	4.2	4.2	3.3	3.3	2.5	3.3	4.2	3.3	3.3
87.5°	9.2	2.5	2.5	2.5	2.5	1.7	0.8	0.0	0.8	0.8	0.8
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)