

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: P1210234

Luminaire Tested: **ARCH2-60-727-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210234
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: ARCH2-60-727-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6170 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
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

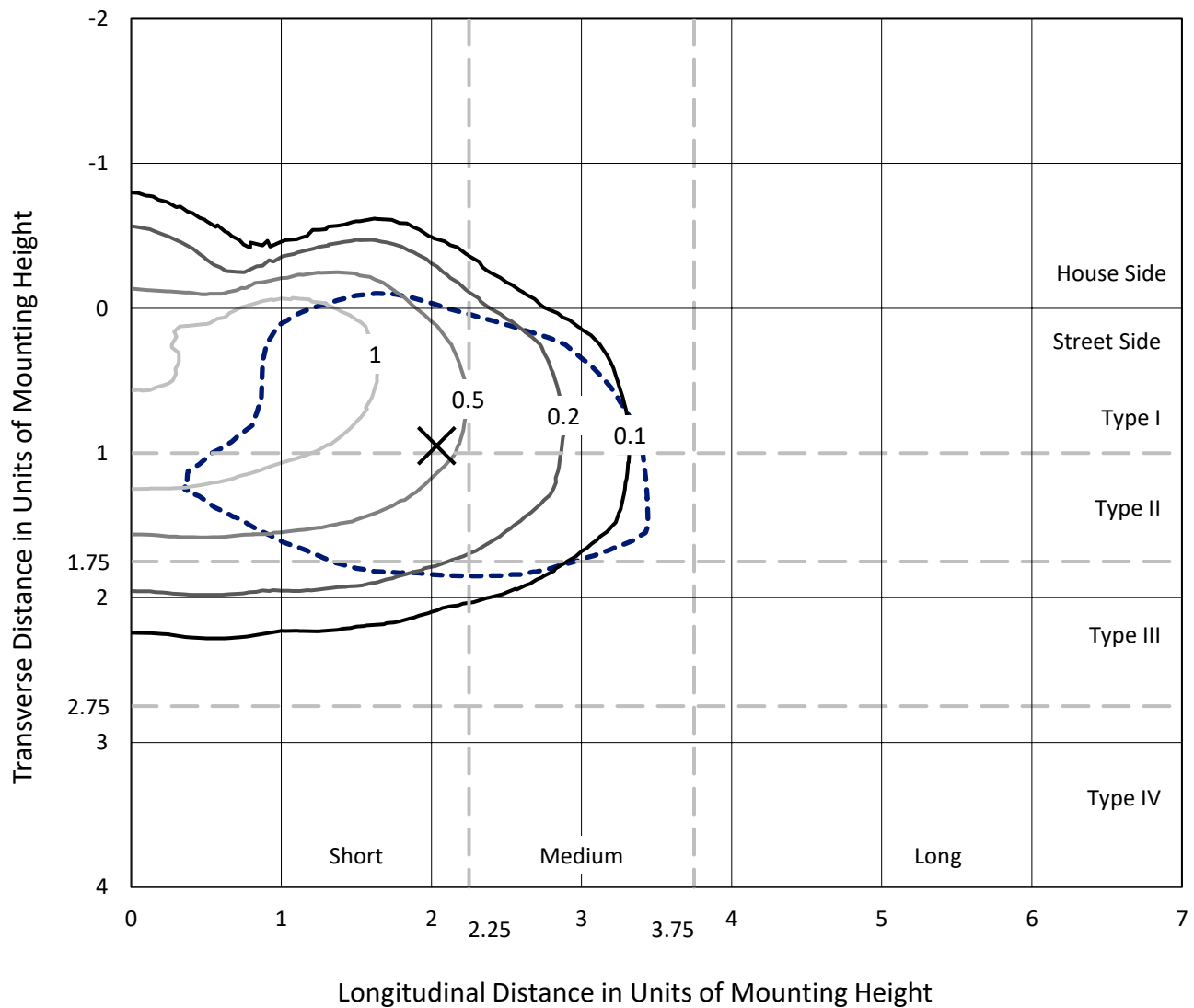


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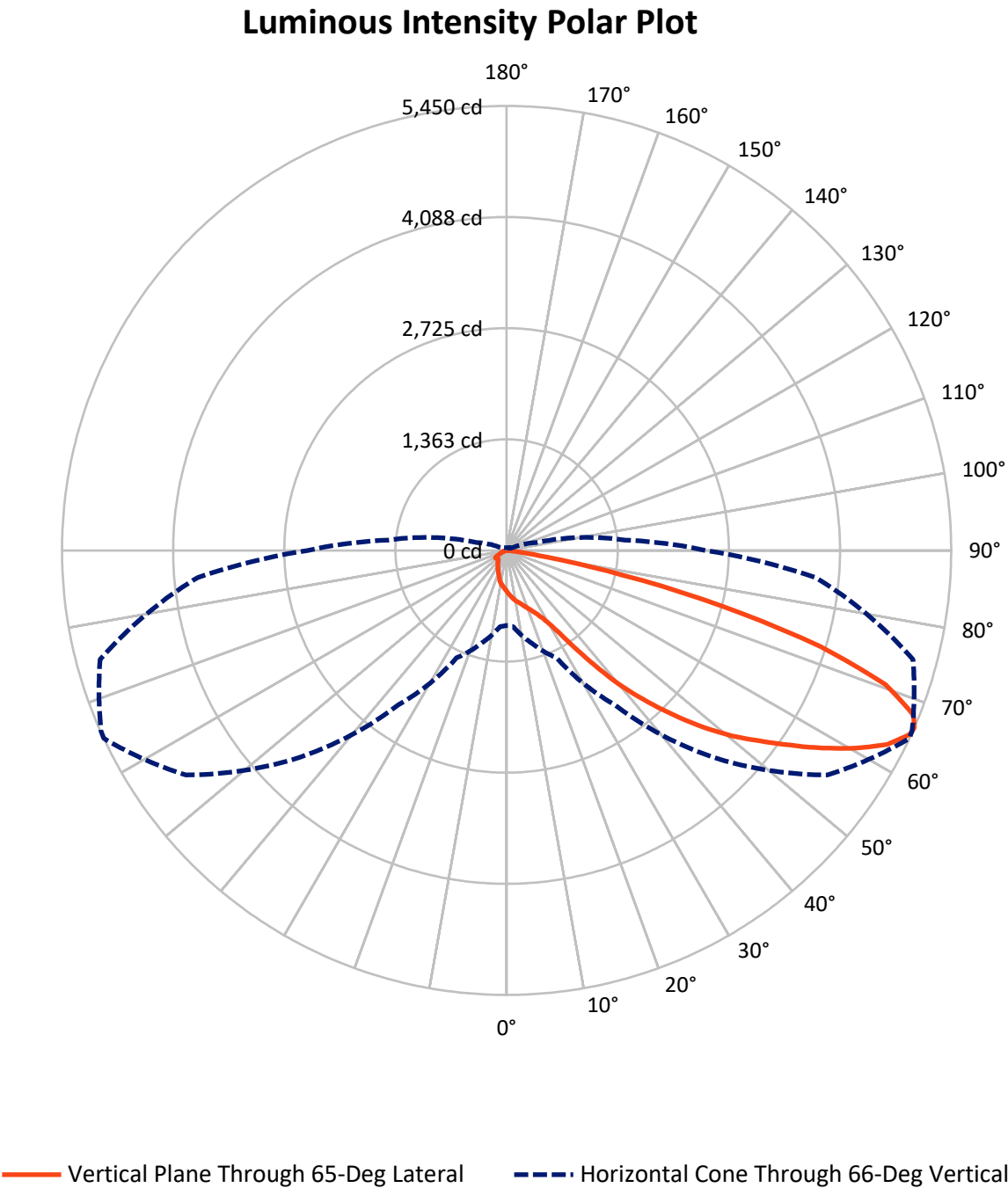
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	728.2	0.0	728.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5441.8	0.0	5441.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	6170.0	0.0	6170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	0.8
10°-20°	141.1	2.3
20°-30°	258.2	4.2
30°-40°	524.7	8.5
40°-50°	1108.0	18.0
50°-60°	1703.3	27.6
60°-70°	1714.5	27.8
70°-80°	640.6	10.4
80°-90°	32.0	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°	6170.0	100.0
0°-180°	6170.0	100.0

Coefficient of Utilization



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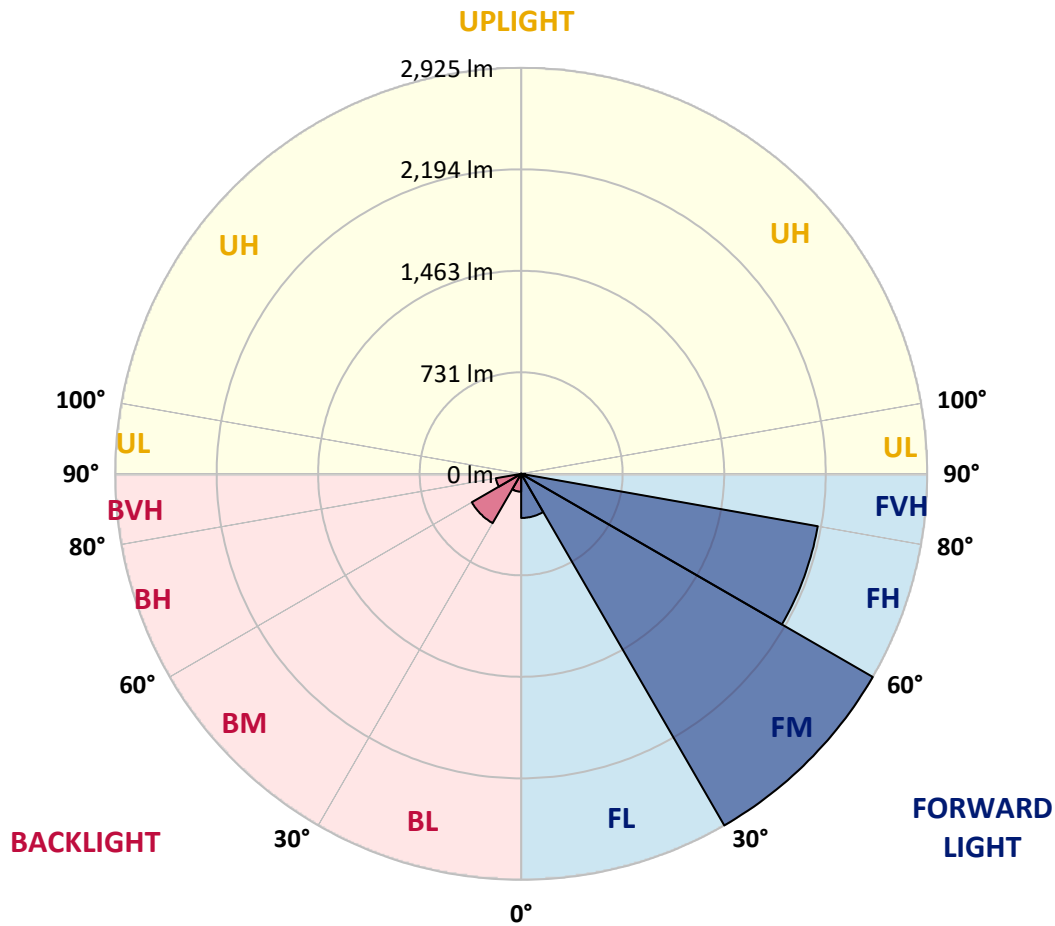
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.1	5.2			
FM	(30°-60°)	2925.4	47.4			
FH	(60°-80°)	2170.1	35.2			G2/5000
FVH	(80°-90°)	28.2	0.5			G1/100
BL	(0°-30°)	128.9	2.1	B1/500		
BM	(30°-60°)	410.6	6.7	B1/1000		
BH	(60°-80°)	185.0	3.0	B1/500		G1/500
BVH	(80°-90°)	3.8	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7
2.5°	573.2	574.3	572.1	567.6	563.1	557.5	548.6	534.0	531.8	521.7	510.5
5°	612.4	614.6	611.3	610.2	607.9	600.1	587.8	566.5	564.3	544.1	518.4
7.5°	625.8	629.2	627.0	627.0	627.0	623.6	618.0	599.0	595.6	569.9	530.7
10°	635.9	638.1	637.0	641.5	644.9	642.6	639.3	628.1	624.7	599.0	547.5
12.5°	651.6	652.7	653.8	656.1	661.7	663.9	662.8	652.7	650.5	632.6	568.7
15°	666.1	666.1	667.3	677.3	685.2	689.6	690.8	682.9	680.7	666.1	595.6
17.5°	679.6	680.7	684.0	695.2	708.7	717.6	723.2	719.9	716.5	705.3	627.0
20°	699.7	702.0	705.3	721.0	734.4	749.0	760.2	759.1	757.9	750.1	663.9
22.5°	734.4	736.7	742.3	756.8	770.3	788.2	807.2	806.1	802.7	797.1	707.6
25°	787.0	787.0	790.4	802.7	819.5	840.8	858.7	862.1	858.7	855.3	762.4
27.5°	853.1	854.2	854.2	867.7	883.3	910.2	932.6	936.0	936.0	932.6	836.3
30°	944.9	941.5	939.3	950.5	967.3	1006.5	1045.7	1052.4	1049.0	1054.6	940.4
32.5°	1102.8	1097.2	1078.1	1080.4	1090.4	1144.2	1210.2	1233.8	1232.6	1242.7	1108.4
35°	1321.1	1309.9	1281.9	1258.4	1257.3	1315.5	1416.2	1504.7	1503.6	1538.3	1363.6
37.5°	1567.4	1581.9	1529.3	1489.0	1476.7	1522.6	1652.5	1843.9	1854.0	1914.4	1698.4
40°	1896.5	1905.5	1838.3	1781.2	1723.0	1739.8	1911.1	2208.9	2226.8	2294.0	2033.1
42.5°	2183.1	2192.1	2152.9	2083.5	2009.6	1978.3	2171.9	2540.3	2554.8	2647.8	2377.9
45°	2377.9	2384.7	2398.1	2404.8	2320.8	2255.9	2491.0	2880.6	2898.5	3006.0	2714.9
47.5°	2530.2	2535.8	2562.7	2629.8	2613.0	2561.5	2815.7	3234.4	3238.9	3358.7	3043.0
50°	2600.7	2614.2	2680.2	2783.2	2857.1	2871.7	3168.3	3569.1	3581.5	3695.7	3353.1
52.5°	2522.4	2526.8	2693.7	2887.3	3036.2	3184.0	3522.1	3879.3	3915.1	4000.2	3631.8
55°	2258.1	2290.6	2543.6	2884.0	3177.3	3480.7	3900.5	4214.0	4246.5	4300.2	3877.0
57.5°	1951.4	1987.2	2295.1	2739.6	3237.8	3755.0	4251.0	4570.0	4592.4	4607.0	4102.1
60°	1686.1	1719.6	2036.5	2463.0	3177.3	3948.7	4576.8	4923.8	4942.8	4903.7	4215.1
62.5°	1360.3	1393.8	1712.9	2096.9	2940.0	3987.9	4818.6	5238.4	5246.2	5139.9	4145.7
65°	1025.5	1047.9	1314.4	1643.5	2524.6	3779.6	4873.4	5434.3	5426.5	5208.2	3937.5
66°	919.2	938.2	1173.3	1453.2	2308.5	3589.3	4799.5	5450.0	5442.2	5157.8	3800.9
67.5°	792.6	798.2	991.9	1189.0	1931.2	3185.1	4574.5	5378.4	5385.1	5019.0	3551.2
70°	619.1	618.0	730.0	827.4	1318.8	2266.0	3815.5	4927.2	4959.6	4495.0	3028.4
72.5°	396.3	382.9	447.8	506.0	768.0	1315.5	2782.1	4015.9	4070.7	3531.1	2255.9
75°	236.2	222.8	238.5	253.0	368.3	632.6	1635.7	2732.8	2785.5	2263.7	1342.3
77.5°	176.9	171.3	172.4	160.1	163.5	237.3	746.7	1444.2	1482.3	927.0	509.4
80°	135.5	120.9	113.1	118.7	107.5	94.0	277.7	497.1	520.6	219.4	106.4
82.5°	90.7	78.4	72.8	79.5	68.3	52.6	67.2	96.3	94.0	59.3	41.4
85°	47.0	40.3	40.3	40.3	34.7	25.7	29.1	39.2	39.2	31.3	24.6
87.5°	13.4	12.3	14.6	13.4	10.1	10.1	11.2	13.4	13.4	12.3	11.2
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°	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7	502.7
2.5°	501.6	497.1	484.8	475.8	466.9	459.0	450.1	447.8	443.3	444.5	442.2
5°	504.9	492.6	471.3	451.2	435.5	422.1	405.3	398.6	389.6	386.2	384.0
7.5°	509.4	491.5	460.1	432.1	405.3	378.4	351.5	335.9	325.8	321.3	318.0
10°	519.5	496.0	454.5	410.9	365.0	326.9	300.0	288.8	282.1	281.0	279.9
12.5°	532.9	502.7	448.9	384.0	323.6	287.7	270.9	267.6	266.5	266.5	265.3
15°	553.1	513.9	440.0	352.7	291.1	266.5	258.6	253.0	250.8	250.8	250.8
17.5°	573.2	527.3	426.6	320.2	268.7	253.0	245.2	241.8	239.6	240.7	239.6
20°	599.0	543.0	408.6	292.2	254.1	241.8	234.0	230.6	229.5	229.5	229.5
22.5°	628.1	560.9	386.2	270.9	241.8	230.6	222.8	219.4	217.2	218.3	218.3
25°	667.3	583.3	362.7	249.7	229.5	219.4	210.5	206.0	206.0	207.1	208.2
27.5°	717.6	610.2	339.2	236.2	218.3	208.2	198.2	193.7	194.8	197.0	197.0
30°	791.5	647.1	315.7	221.7	206.0	194.8	185.8	181.4	183.6	188.1	188.1
32.5°	896.8	707.6	295.6	204.9	188.1	175.8	166.8	163.5	169.1	178.0	178.0
35°	1084.9	818.4	283.2	188.1	169.1	154.5	143.3	139.9	147.8	159.0	159.0
37.5°	1336.8	996.4	287.7	173.5	153.4	136.6	124.3	119.8	125.4	135.5	138.8
40°	1617.8	1211.4	326.9	161.2	138.8	122.0	109.7	105.2	108.6	113.1	114.2
42.5°	1898.8	1439.8	400.8	152.3	127.6	109.7	98.5	95.2	97.4	98.5	99.6
45°	2178.7	1665.9	493.7	146.7	117.6	99.6	88.4	88.4	89.6	89.6	89.6
47.5°	2444.0	1886.5	591.1	145.5	108.6	89.6	80.6	81.7	81.7	82.8	82.8
50°	2694.8	2083.5	689.6	148.9	100.8	80.6	73.9	73.9	73.9	75.0	73.9
52.5°	2904.1	2255.9	792.6	154.5	92.9	73.9	67.2	67.2	67.2	68.3	67.2
55°	3102.3	2412.6	897.9	162.3	86.2	68.3	61.6	59.3	59.3	60.5	59.3
57.5°	3263.5	2516.8	997.5	163.5	80.6	62.7	57.1	53.7	53.7	53.7	53.7
60°	3270.2	2456.3	1026.6	143.3	73.9	57.1	51.5	47.0	48.1	48.1	48.1
62.5°	3056.4	2138.4	825.1	107.5	66.1	51.5	47.0	42.5	42.5	42.5	42.5
65°	2636.6	1663.7	483.6	85.1	57.1	45.9	41.4	38.1	38.1	38.1	36.9
66°	2439.5	1458.8	370.6	77.2	53.7	44.8	40.3	36.9	35.8	34.7	34.7
67.5°	2118.2	1153.1	231.7	68.3	49.3	41.4	36.9	33.6	32.5	31.3	31.3
70°	1595.4	732.2	113.1	52.6	42.5	35.8	32.5	29.1	28.0	26.9	25.7
72.5°	1119.6	428.8	59.3	40.3	34.7	31.3	28.0	24.6	23.5	22.4	22.4
75°	632.6	207.1	39.2	29.1	28.0	25.7	23.5	20.2	19.0	19.0	19.0
77.5°	239.6	71.7	26.9	21.3	22.4	20.2	16.8	16.8	15.7	16.8	15.7
80°	62.7	31.3	16.8	15.7	16.8	14.6	12.3	13.4	13.4	13.4	13.4
82.5°	33.6	17.9	10.1	11.2	10.1	10.1	7.8	9.0	10.1	9.0	10.1
85°	23.5	9.0	5.6	5.6	4.5	4.5	3.4	4.5	5.6	4.5	4.5
87.5°	12.3	3.4	3.4	3.4	3.4	2.2	1.1	0.0	1.1	1.1	1.1
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)