

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: P1210806

Luminaire Tested: **ARCH3-80-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210806
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: ARCH3-80-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 650mA 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: 7894 lumens
Efficiency: N/A
Efficacy: 96.4 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): 81.9
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

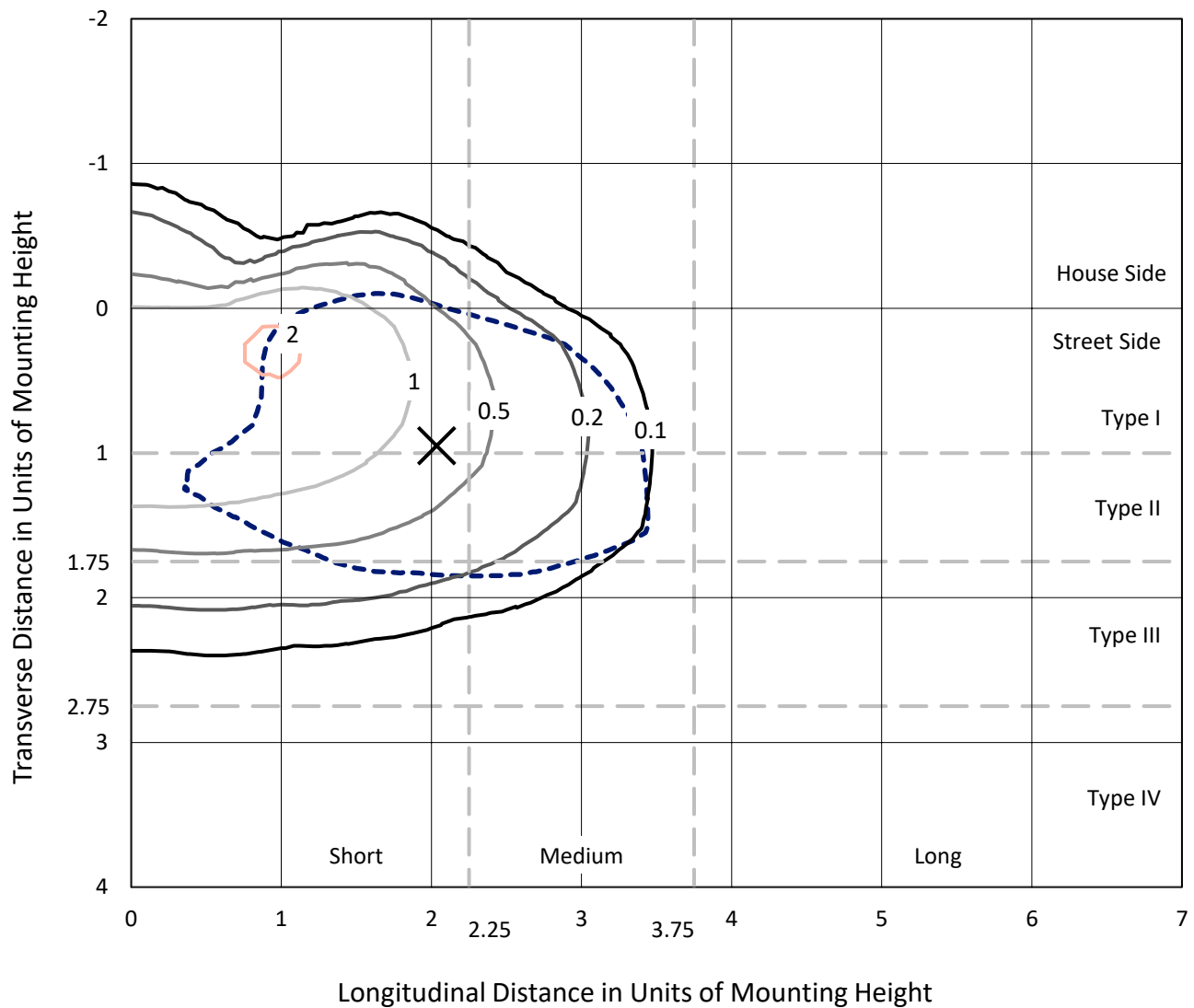


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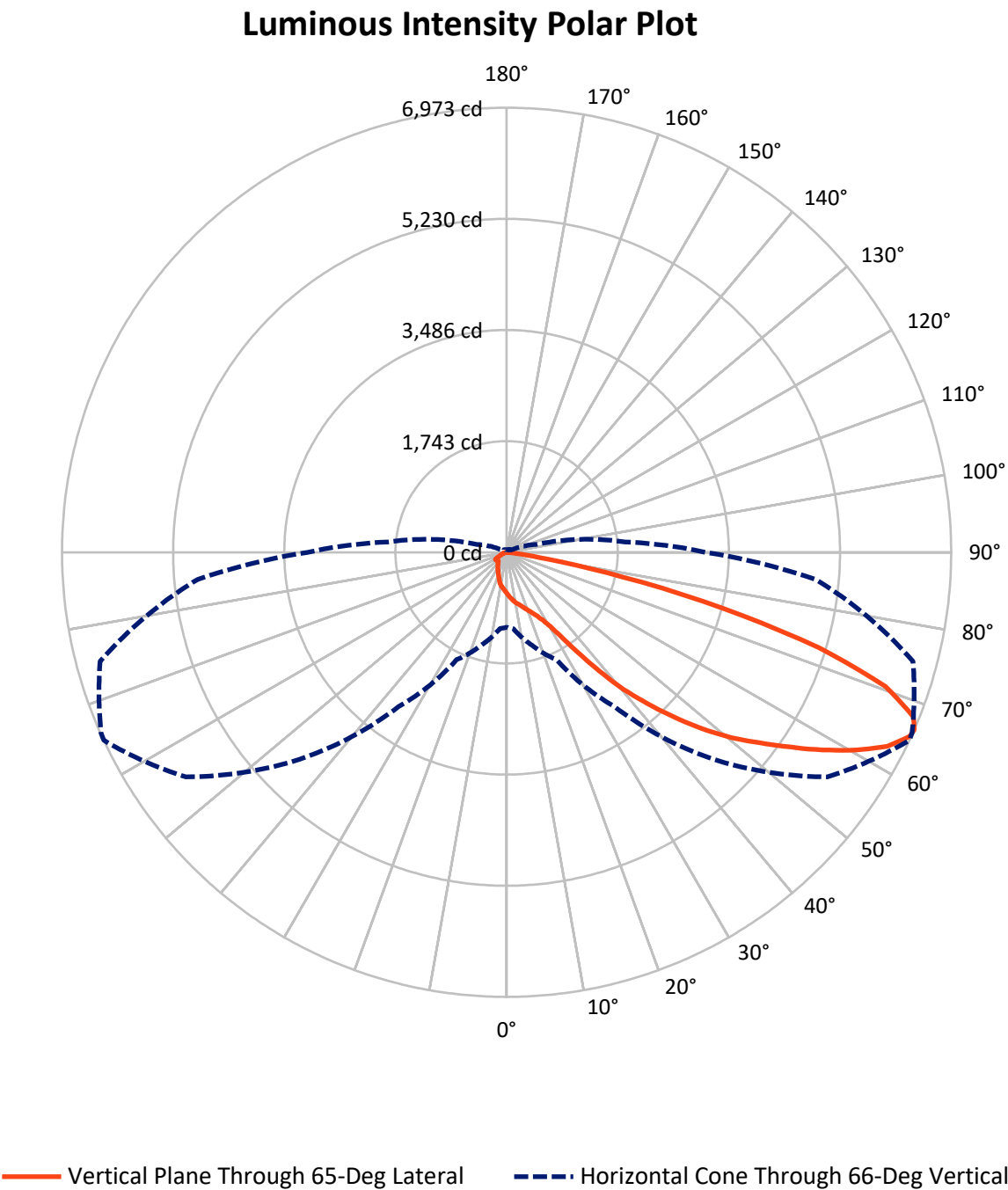
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	931.7	0.0	931.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6962.3	0.0	6962.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	7894.0	0.0	7894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	0.8
10°-20°	180.5	2.3
20°-30°	330.4	4.2
30°-40°	671.3	8.5
40°-50°	1417.5	18.0
50°-60°	2179.2	27.6
60°-70°	2193.5	27.8
70°-80°	819.6	10.4
80°-90°	40.9	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°	7894.0	100.0
0°-180°	7894.0	100.0

Coefficient of Utilization



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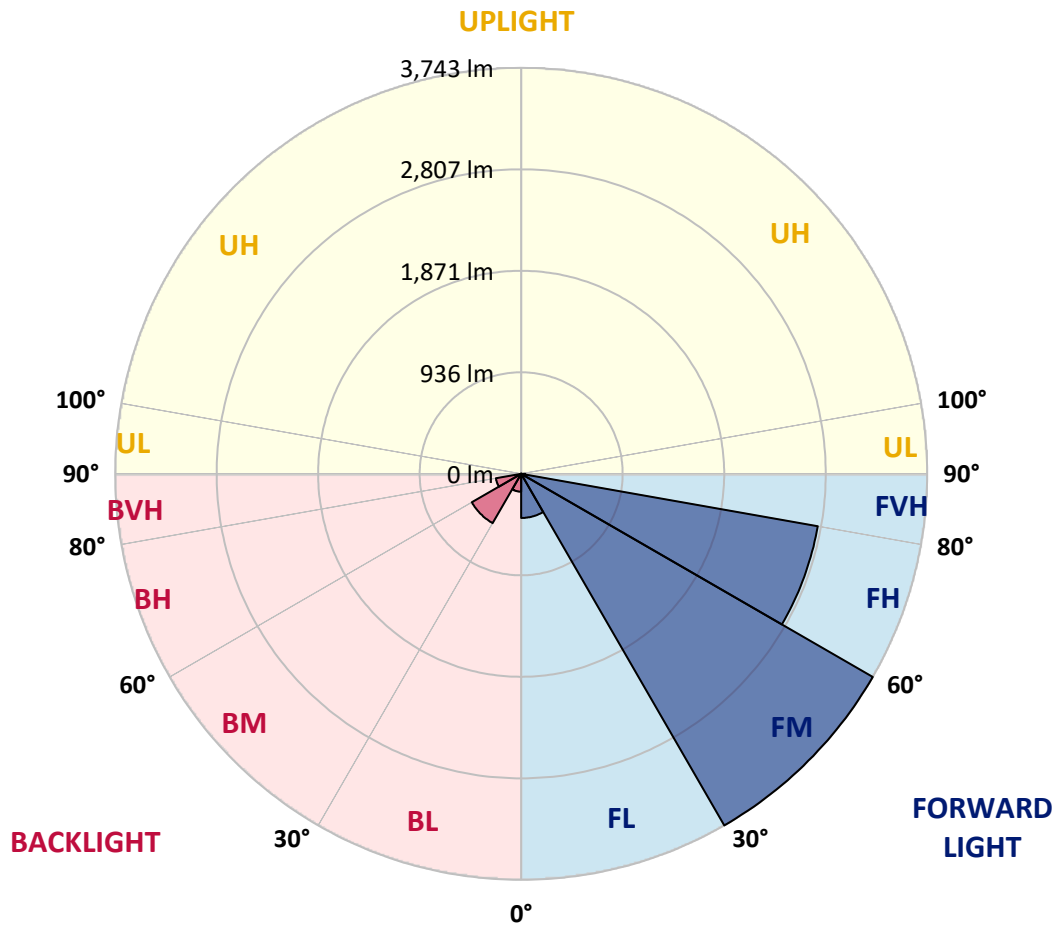
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	406.9	5.2			
FM	(30°-60°)	3742.8	47.4			
FH	(60°-80°)	2776.5	35.2			G2/5000
FVH	(80°-90°)	36.1	0.5			G1/100
BL	(0°-30°)	164.9	2.1	B1/500		
BM	(30°-60°)	525.3	6.7	B1/1000		
BH	(60°-80°)	236.7	3.0	B1/500		G1/500
BVH	(80°-90°)	4.8	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°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1
2.5°	733.4	734.8	731.9	726.2	720.5	713.3	701.9	683.2	680.4	667.5	653.2
5°	783.5	786.4	782.1	780.6	777.8	767.8	752.0	724.8	721.9	696.1	663.2
7.5°	800.7	805.0	802.1	802.1	802.1	797.8	790.7	766.3	762.0	729.1	678.9
10°	813.6	816.5	815.0	820.8	825.1	822.2	817.9	803.6	799.3	766.3	700.4
12.5°	833.6	835.1	836.5	839.4	846.5	849.4	848.0	835.1	832.2	809.3	727.6
15°	852.3	852.3	853.7	866.6	876.6	882.3	883.8	873.8	870.9	852.3	762.0
17.5°	869.5	870.9	875.2	889.5	906.7	918.2	925.3	921.0	916.7	902.4	802.1
20°	895.2	898.1	902.4	922.5	939.6	958.3	972.6	971.2	969.7	959.7	849.4
22.5°	939.6	942.5	949.7	968.3	985.5	1008.4	1032.7	1031.3	1027.0	1019.9	905.3
25°	1007.0	1007.0	1011.3	1027.0	1048.5	1075.7	1098.6	1102.9	1098.6	1094.3	975.5
27.5°	1091.5	1092.9	1092.9	1110.1	1130.1	1164.5	1193.2	1197.5	1197.5	1193.2	1070.0
30°	1208.9	1204.6	1201.8	1216.1	1237.6	1287.7	1337.8	1346.4	1342.1	1349.3	1203.2
32.5°	1410.9	1403.7	1379.4	1382.2	1395.1	1463.9	1548.4	1578.5	1577.1	1589.9	1418.1
35°	1690.2	1675.9	1640.1	1610.0	1608.6	1683.0	1812.0	1925.1	1923.7	1968.1	1744.6
37.5°	2005.3	2024.0	1956.6	1905.1	1889.3	1948.0	2114.2	2359.1	2372.0	2449.4	2172.9
40°	2426.5	2437.9	2352.0	2278.9	2204.4	2225.9	2445.1	2826.1	2849.0	2934.9	2601.2
42.5°	2793.1	2804.6	2754.5	2665.7	2571.1	2531.0	2778.8	3250.1	3268.7	3387.6	3042.4
45°	3042.4	3051.0	3068.2	3076.8	2969.3	2886.2	3187.0	3685.5	3708.4	3845.9	3473.5
47.5°	3237.2	3244.3	3278.7	3364.7	3343.2	3277.3	3602.4	4138.1	4143.9	4297.1	3893.2
50°	3327.4	3344.6	3429.1	3560.9	3655.4	3674.1	4053.6	4566.4	4582.2	4728.3	4290.0
52.5°	3227.2	3232.9	3446.3	3694.1	3884.6	4073.7	4506.3	4963.2	5009.0	5117.9	4646.6
55°	2889.1	2930.7	3254.4	3689.8	4065.1	4453.3	4990.4	5391.5	5433.0	5501.8	4960.3
57.5°	2496.6	2542.5	2936.4	3505.0	4142.4	4804.2	5438.7	5847.0	5875.6	5894.2	5248.2
60°	2157.2	2200.1	2605.5	3151.2	4065.1	5052.0	5855.6	6299.6	6324.0	6273.8	5392.9
62.5°	1740.3	1783.3	2191.5	2682.8	3761.4	5102.1	6165.0	6702.1	6712.1	6576.1	5304.1
65°	1312.1	1340.7	1681.6	2102.7	3230.0	4835.7	6235.2	6952.8	6942.7	6663.4	5037.7
66°	1176.0	1200.3	1501.1	1859.2	2953.6	4592.2	6140.6	6972.8	6962.8	6599.0	4862.9
67.5°	1014.1	1021.3	1269.1	1521.2	2470.9	4075.1	5852.7	6881.2	6889.8	6421.4	4543.5
70°	792.1	790.7	933.9	1058.5	1687.3	2899.1	4881.6	6303.9	6345.4	5751.0	3874.6
72.5°	507.1	489.9	573.0	647.4	982.6	1683.0	3559.5	5137.9	5208.1	4517.7	2886.2
75°	302.2	285.0	305.1	323.7	471.3	809.3	2092.7	3496.4	3563.8	2896.3	1717.4
77.5°	226.3	219.2	220.6	204.8	209.1	303.7	955.4	1847.8	1896.5	1186.0	651.7
80°	173.3	154.7	144.7	151.8	137.5	120.3	355.2	636.0	666.1	280.7	136.1
82.5°	116.0	100.3	93.1	101.7	87.4	67.3	85.9	123.2	120.3	75.9	53.0
85°	60.2	51.6	51.6	51.6	44.4	32.9	37.2	50.1	50.1	40.1	31.5
87.5°	17.2	15.8	18.6	17.2	12.9	12.9	14.3	17.2	17.2	15.8	14.3
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°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1
2.5°	641.7	636.0	620.2	608.8	597.3	587.3	575.8	573.0	567.2	568.7	565.8
5°	646.0	630.2	603.0	577.2	557.2	540.0	518.5	509.9	498.5	494.2	491.3
7.5°	651.7	628.8	588.7	552.9	518.5	484.1	449.8	429.7	416.8	411.1	406.8
10°	664.6	634.5	581.5	525.7	467.0	418.3	383.9	369.6	361.0	359.5	358.1
12.5°	681.8	643.1	574.4	491.3	414.0	368.1	346.6	342.3	340.9	340.9	339.5
15°	707.6	657.5	562.9	451.2	372.4	340.9	330.9	323.7	320.9	320.9	320.9
17.5°	733.4	674.7	545.7	409.7	343.8	323.7	313.7	309.4	306.5	308.0	306.5
20°	766.3	694.7	522.8	373.9	325.2	309.4	299.4	295.1	293.6	293.6	293.6
22.5°	803.6	717.6	494.2	346.6	309.4	295.1	285.0	280.7	277.9	279.3	279.3
25°	853.7	746.3	464.1	319.4	293.6	280.7	269.3	263.6	263.6	265.0	266.4
27.5°	918.2	780.6	434.0	302.2	279.3	266.4	253.5	247.8	249.2	252.1	252.1
30°	1012.7	827.9	403.9	283.6	263.6	249.2	237.8	232.0	234.9	240.6	240.6
32.5°	1147.3	905.3	378.1	262.1	240.6	224.9	213.4	209.1	216.3	227.7	227.7
35°	1388.0	1047.1	362.4	240.6	216.3	197.7	183.3	179.0	189.1	203.4	203.4
37.5°	1710.3	1274.8	368.1	222.0	196.2	174.8	159.0	153.3	160.4	173.3	177.6
40°	2069.8	1549.8	418.3	206.3	177.6	156.1	140.4	134.6	138.9	144.7	146.1
42.5°	2429.3	1842.0	512.8	194.8	163.3	140.4	126.0	121.8	124.6	126.0	127.5
45°	2787.4	2131.4	631.7	187.6	150.4	127.5	113.2	113.2	114.6	114.6	114.6
47.5°	3126.9	2413.6	756.3	186.2	138.9	114.6	103.1	104.6	104.6	106.0	106.0
50°	3447.7	2665.7	882.3	190.5	128.9	103.1	94.5	94.5	94.5	96.0	94.5
52.5°	3715.6	2886.2	1014.1	197.7	118.9	94.5	85.9	85.9	85.9	87.4	85.9
55°	3969.1	3086.8	1148.8	207.7	110.3	87.4	78.8	75.9	75.9	77.3	75.9
57.5°	4175.4	3220.0	1276.3	209.1	103.1	80.2	73.1	68.8	68.8	68.8	68.8
60°	4184.0	3142.6	1313.5	183.3	94.5	73.1	65.9	60.2	61.6	61.6	61.6
62.5°	3910.4	2735.8	1055.7	137.5	84.5	65.9	60.2	54.4	54.4	54.4	54.4
65°	3373.3	2128.5	618.8	108.9	73.1	58.7	53.0	48.7	48.7	48.7	47.3
66°	3121.2	1866.4	474.1	98.8	68.8	57.3	51.6	47.3	45.8	44.4	44.4
67.5°	2710.1	1475.4	296.5	87.4	63.0	53.0	47.3	43.0	41.5	40.1	40.1
70°	2041.1	936.8	144.7	67.3	54.4	45.8	41.5	37.2	35.8	34.4	32.9
72.5°	1432.4	548.6	75.9	51.6	44.4	40.1	35.8	31.5	30.1	28.6	28.6
75°	809.3	265.0	50.1	37.2	35.8	32.9	30.1	25.8	24.4	24.4	24.4
77.5°	306.5	91.7	34.4	27.2	28.6	25.8	21.5	21.5	20.1	21.5	20.1
80°	80.2	40.1	21.5	20.1	21.5	18.6	15.8	17.2	17.2	17.2	17.2
82.5°	43.0	22.9	12.9	14.3	12.9	12.9	10.0	11.5	12.9	11.5	12.9
85°	30.1	11.5	7.2	7.2	5.7	5.7	4.3	5.7	7.2	5.7	5.7
87.5°	15.8	4.3	4.3	4.3	4.3	2.9	1.4	0.0	1.4	1.4	1.4
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)