

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: P960268

Luminaire Tested: **NVN-SB1C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P960268  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB1C-722-U-T4FT-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

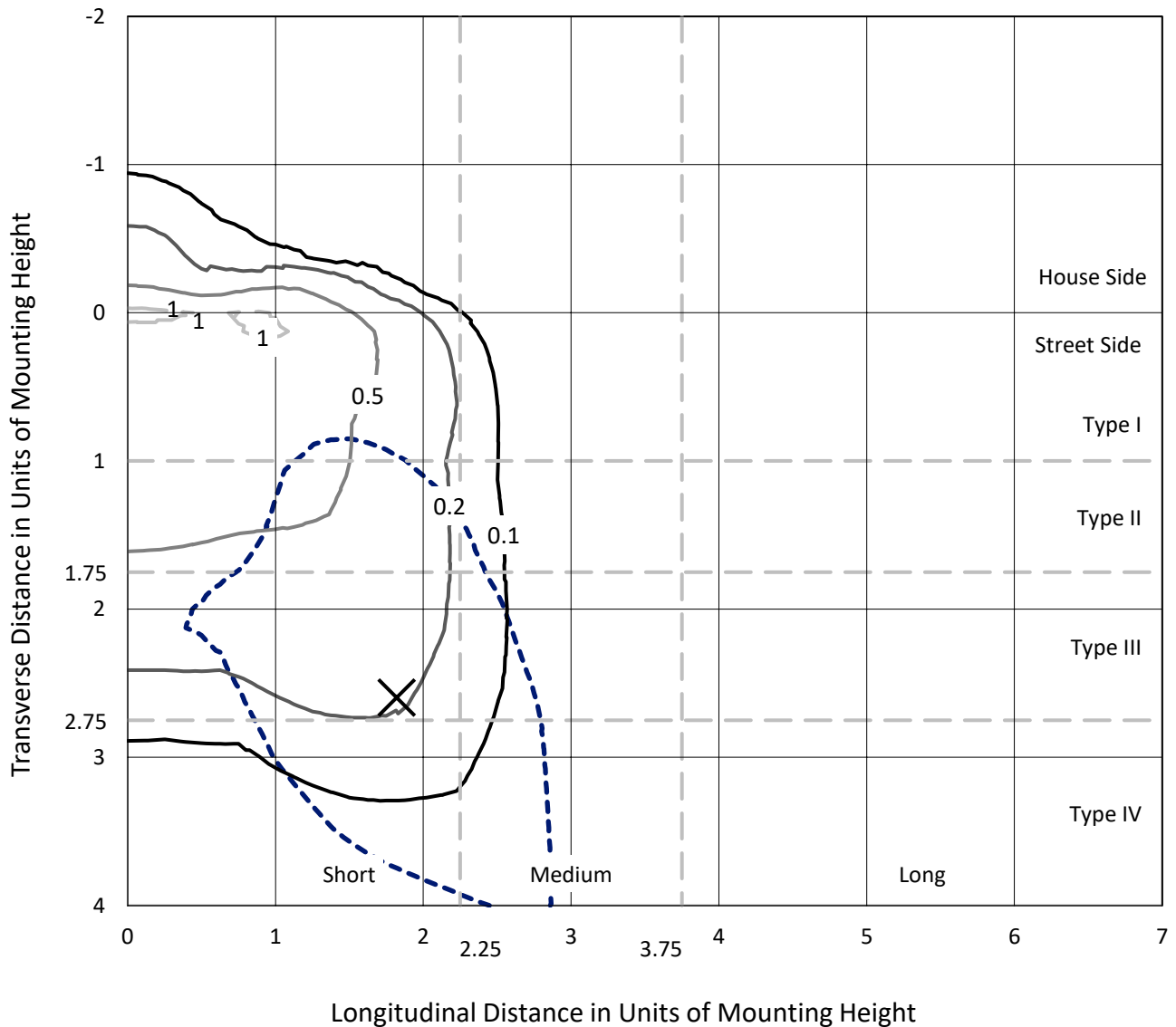
Lumens per Lamp: N/A  
Luminaire Lumens: 4803.2 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

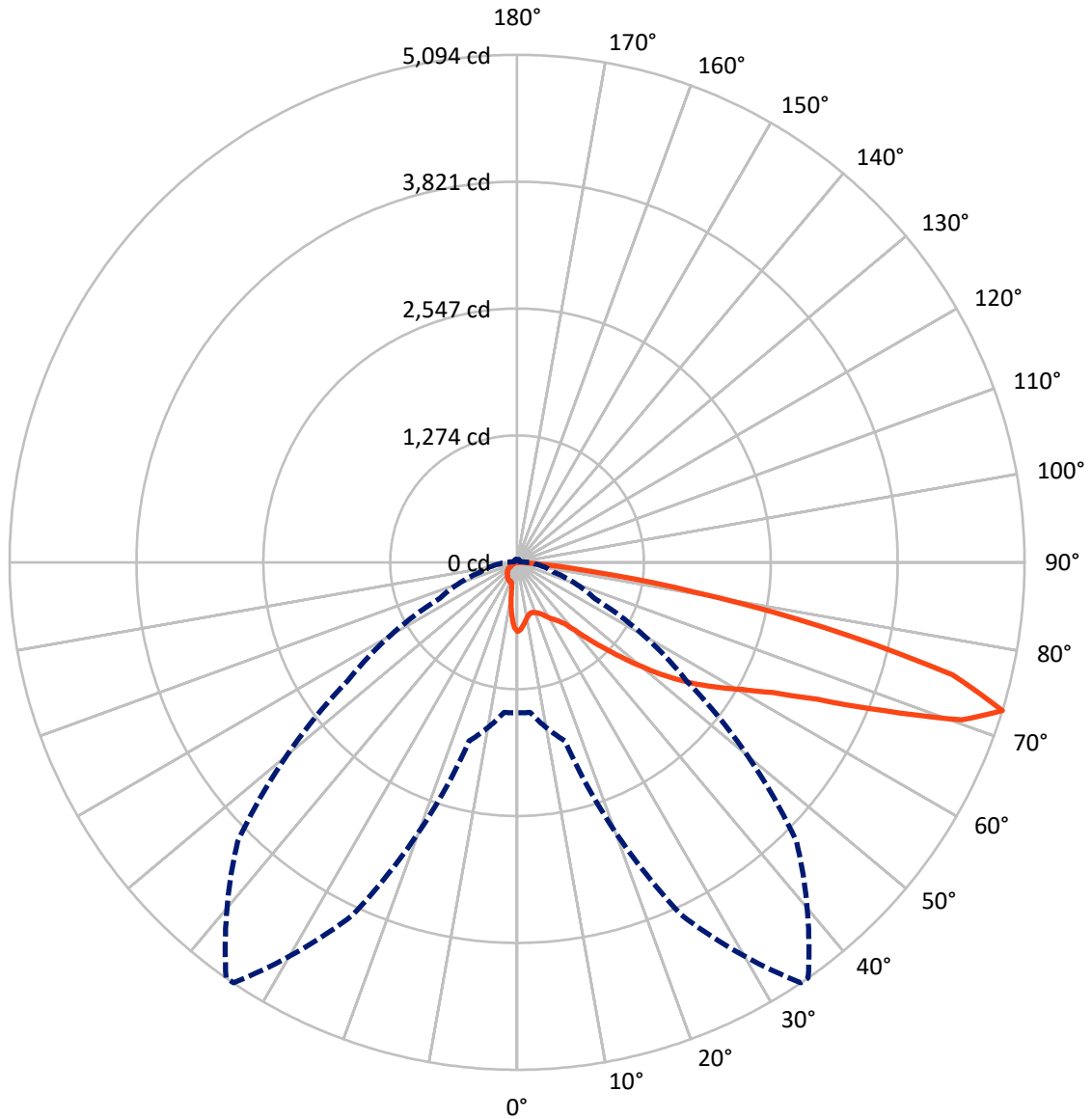
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	540.6	0.0	540.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	4262.6	0.0	4262.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	4803.2	0.0	4803.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.2	1.2
10°-20°	133.8	2.8
20°-30°	217.4	4.5
30°-40°	362.7	7.6
40°-50°	686.3	14.3
50°-60°	1090.5	22.7
60°-70°	1349.0	28.1
70°-80°	838.5	17.5
80°-90°	67.8	1.4
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°	4803.2	100.0
0°-180°	4803.2	100.0

**Coefficient of Utilization**



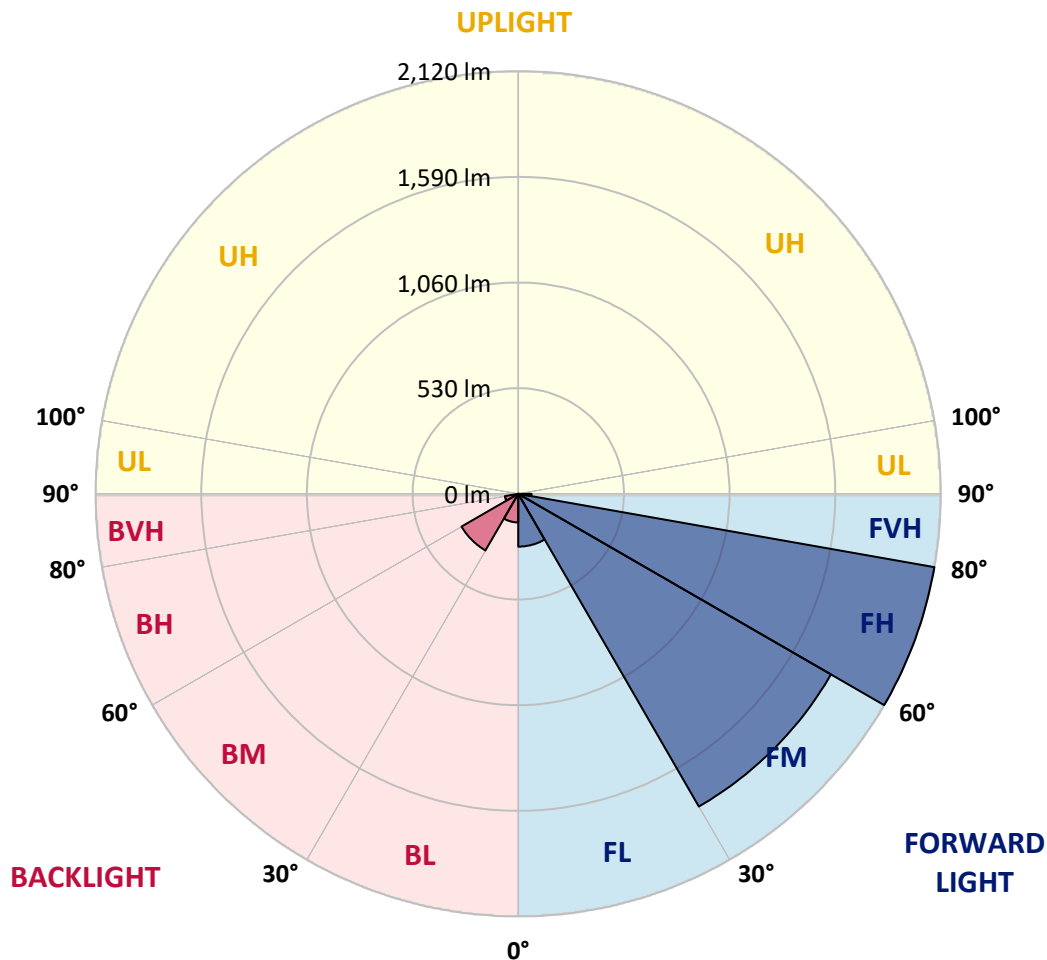
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.8	5.5			
FM (30°-60°)	1811.3	37.7			
FH (60°-80°)	2119.7	44.1			G2/5000
FVH (80°-90°)	66.8	1.4			G1/100
BL (0°-30°)	143.6	3.0	B1/500		
BM (30°-60°)	328.2	6.8	B1/1000		
BH (60°-80°)	67.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2
2.5°	665.1	670.8	671.9	673.6	673.6	675.7	679.3	684.2	692.3	696.5	699.3
5°	613.1	617.3	622.6	626.8	634.9	635.9	649.6	663.1	681.7	695.8	705.6
7.5°	560.7	565.6	572.6	582.8	593.4	596.6	617.3	639.8	669.4	695.8	712.4
10°	523.7	524.1	530.3	540.6	557.5	561.4	586.7	618.7	655.7	691.6	718.6
12.5°	503.0	505.4	508.2	516.0	532.2	534.6	561.7	599.3	642.0	689.1	726.0
15°	503.0	504.7	506.5	510.3	523.4	525.4	549.4	587.0	634.9	690.1	738.0
17.5°	508.2	511.1	509.6	514.1	527.9	529.3	550.4	583.5	634.6	696.8	756.3
20°	520.9	523.0	520.2	523.0	536.7	539.6	561.4	590.2	640.5	708.5	779.2
22.5°	540.9	542.0	535.3	537.4	551.4	555.0	580.4	609.2	655.0	727.1	809.9
25°	566.3	568.4	558.2	560.7	574.0	578.2	607.4	637.8	677.8	752.8	848.9
27.5°	595.5	596.6	587.7	587.4	604.6	610.6	640.2	672.9	708.5	785.2	898.1
30°	628.9	632.1	623.6	622.3	644.0	648.9	678.1	716.2	753.5	833.7	968.2
32.5°	655.3	657.7	652.8	656.4	678.6	682.4	724.3	777.5	824.2	902.7	1063.5
35°	693.3	694.7	683.5	689.8	715.1	725.0	787.3	863.4	913.3	989.3	1188.2
37.5°	831.0	831.0	783.1	751.7	776.0	784.8	873.5	971.4	1023.1	1105.5	1345.1
40°	1021.3	1018.1	948.1	884.1	880.9	898.1	996.3	1107.5	1164.9	1244.9	1521.8
42.5°	1224.4	1219.4	1124.1	1060.8	1050.2	1056.2	1138.2	1275.4	1333.8	1414.8	1711.9
45°	1404.6	1403.2	1315.9	1230.7	1211.8	1230.7	1315.2	1471.8	1513.7	1598.9	1901.6
47.5°	1555.5	1555.5	1491.9	1436.2	1426.4	1437.7	1554.8	1689.7	1685.8	1794.9	2086.3
50°	1729.5	1728.0	1667.5	1643.6	1653.7	1669.6	1830.8	1919.1	1863.9	1987.4	2251.3
52.5°	1851.3	1859.7	1838.8	1835.1	1887.1	1914.6	2111.0	2143.7	2023.4	2170.0	2374.9
55°	1947.6	1957.4	1981.4	2008.5	2108.8	2144.7	2382.3	2356.6	2156.7	2328.4	2446.0
57.5°	2084.2	2070.1	2107.1	2160.6	2322.9	2366.1	2645.2	2557.6	2264.0	2456.9	2453.7
60°	2250.0	2252.0	2258.4	2325.9	2536.5	2592.0	2904.2	2747.6	2333.0	2535.7	2367.9
62.5°	2449.1	2452.3	2465.3	2569.2	2823.3	2875.7	3180.2	2903.1	2364.7	2513.5	2146.1
65°	2435.4	2448.8	2594.2	2949.2	3259.3	3311.1	3502.1	3012.3	2316.8	2310.9	1747.4
67.5°	2218.6	2240.4	2483.7	3403.3	3916.7	3974.4	3891.4	3033.7	2110.3	1797.0	1139.9
70°	1934.3	1942.0	2234.5	3811.5	4678.0	4736.4	4239.8	2797.5	1601.4	1002.3	510.7
72.5°	1510.5	1512.3	1855.5	3906.2	5091.2	5094.4	3966.3	2076.8	861.2	385.0	177.4
75°	1079.0	1068.5	1242.7	3167.8	4479.1	4515.0	2973.5	974.2	329.0	181.9	88.4
77.5°	578.6	590.2	703.2	1878.6	3094.3	3155.5	1622.5	280.8	167.5	123.9	58.4
80°	178.8	188.6	288.2	860.2	1752.6	1789.6	601.5	124.9	116.8	88.4	38.3
82.5°	56.3	58.4	134.5	361.4	727.4	744.4	174.2	70.7	79.8	58.4	22.5
85°	16.2	16.5	59.9	134.8	179.9	183.4	48.9	27.5	45.7	36.3	11.6
87.5°	1.7	5.6	22.5	22.5	15.9	15.5	5.3	5.9	13.0	4.6	2.2
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°	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2	696.2
2.5°	697.5	697.9	693.3	685.6	677.1	670.1	661.3	654.3	649.3	647.9	650.4
5°	702.4	700.0	687.0	663.4	635.3	611.0	583.8	562.4	548.3	542.3	544.5
7.5°	709.8	702.8	674.3	627.8	574.0	526.1	477.5	439.9	415.9	404.1	405.8
10°	716.2	702.1	653.2	576.5	494.2	421.6	356.2	310.8	285.5	273.5	273.8
12.5°	722.2	701.8	625.8	515.6	404.1	315.3	254.4	232.0	224.9	222.4	221.7
15°	733.5	702.8	591.2	445.9	314.3	238.3	216.1	215.8	217.2	216.5	216.1
17.5°	749.0	703.9	552.2	372.0	242.5	210.1	209.1	212.2	214.3	213.3	212.9
20°	769.0	708.1	510.7	298.8	208.4	203.1	205.5	208.4	210.1	208.4	208.0
22.5°	797.1	715.4	465.2	240.1	197.4	198.8	201.0	204.1	205.9	203.5	203.1
25°	831.7	727.1	420.6	208.7	192.2	193.9	197.1	200.6	202.7	200.3	199.9
27.5°	876.4	745.8	379.4	201.6	186.9	188.0	192.5	197.8	200.6	197.4	197.4
30°	941.1	776.3	343.9	204.8	183.7	181.2	187.6	195.0	198.1	195.4	195.0
32.5°	1026.9	819.7	322.1	209.7	182.3	173.5	179.5	189.0	194.2	192.5	192.5
35°	1139.6	885.5	313.5	215.4	181.2	165.4	169.6	179.9	189.0	190.8	190.8
37.5°	1276.1	977.0	316.0	217.8	178.0	158.8	160.8	169.6	181.6	187.3	188.6
40°	1431.3	1083.6	330.2	215.4	174.6	153.1	153.4	160.1	170.7	179.2	181.9
42.5°	1591.5	1208.2	356.2	206.2	171.4	148.2	147.1	151.7	158.8	164.7	167.2
45°	1743.8	1336.3	381.8	193.5	167.5	143.2	140.7	142.6	143.9	146.4	147.8
47.5°	1876.9	1426.4	374.4	181.9	162.3	137.7	133.4	132.6	128.4	128.1	127.7
50°	1968.7	1446.2	332.6	170.4	154.5	131.3	124.5	120.3	113.0	109.5	109.8
52.5°	1997.9	1368.4	271.7	158.8	141.9	122.8	113.4	106.6	97.5	94.3	94.0
55°	1959.3	1216.0	217.2	144.6	124.2	111.5	101.0	92.2	84.8	81.0	81.0
57.5°	1864.6	1022.0	171.8	128.1	105.6	98.9	88.4	79.5	73.2	69.3	68.7
60°	1707.6	811.6	135.8	108.4	90.1	85.2	74.2	68.7	63.0	58.4	57.4
62.5°	1469.3	579.3	106.6	85.9	75.3	69.7	63.3	59.1	52.5	46.1	45.0
65°	1146.7	354.4	82.3	63.0	60.6	57.7	53.8	50.0	41.9	35.6	34.4
67.5°	723.2	167.9	58.7	47.6	47.9	46.4	44.7	41.5	35.6	29.9	29.2
70°	318.5	81.3	38.7	36.3	35.6	35.6	37.0	35.9	30.2	25.0	23.9
72.5°	108.4	43.7	28.9	27.5	25.7	25.3	31.0	29.9	24.3	19.4	18.3
75°	56.7	29.2	21.1	19.7	15.5	18.7	24.6	23.3	17.2	12.7	11.6
77.5°	37.0	20.8	14.5	12.7	8.8	12.3	18.3	16.2	10.2	6.4	5.6
80°	23.3	13.7	8.4	5.9	4.2	6.7	9.8	7.1	3.9	1.4	1.0
82.5°	12.3	7.1	3.2	2.2	1.7	2.2	2.5	1.7	0.7	0.0	0.0
85°	4.9	2.5	1.0	0.7	0.3	0.0	0.7	0.3	0.0	0.0	0.0
87.5°	1.7	0.3	0.0	0.0	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)