

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: P321945

Luminaire Tested: **GAN-SA1A-750-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3471 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

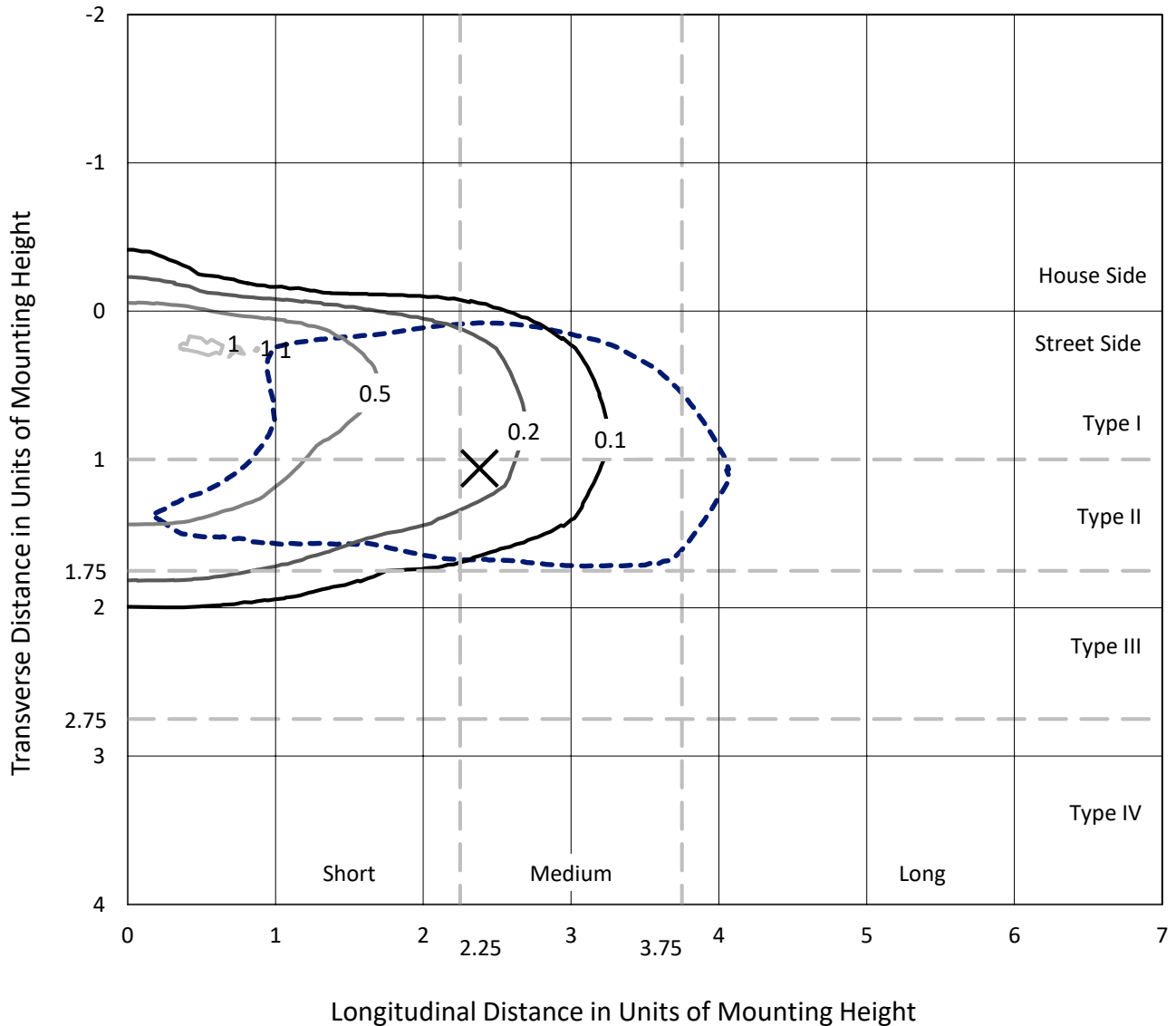
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

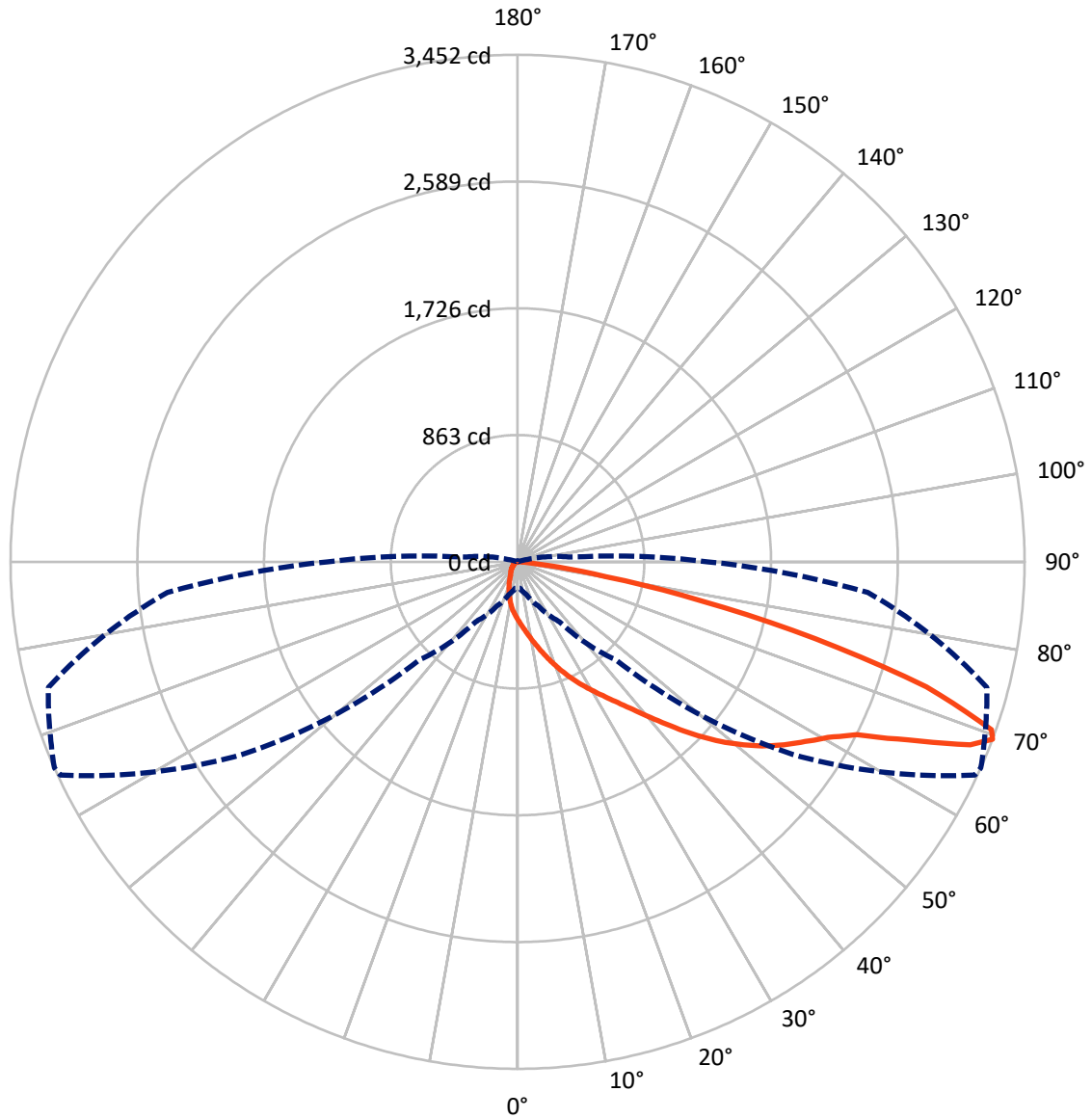
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	208.2	0.0	208.2
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	3262.8	0.0	3262.8
	% Fixture	94.0	0.0	94.0
Total	Lumens	3471.0	0.0	3471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	1.1
10°-20°	113.6	3.3
20°-30°	197.9	5.7
30°-40°	347.2	10.0
40°-50°	581.1	16.7
50°-60°	854.2	24.6
60°-70°	877.1	25.3
70°-80°	433.0	12.5
80°-90°	28.6	0.8
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°	3471.0	100.0
0°-180°	3471.0	100.0

Coefficient of Utilization

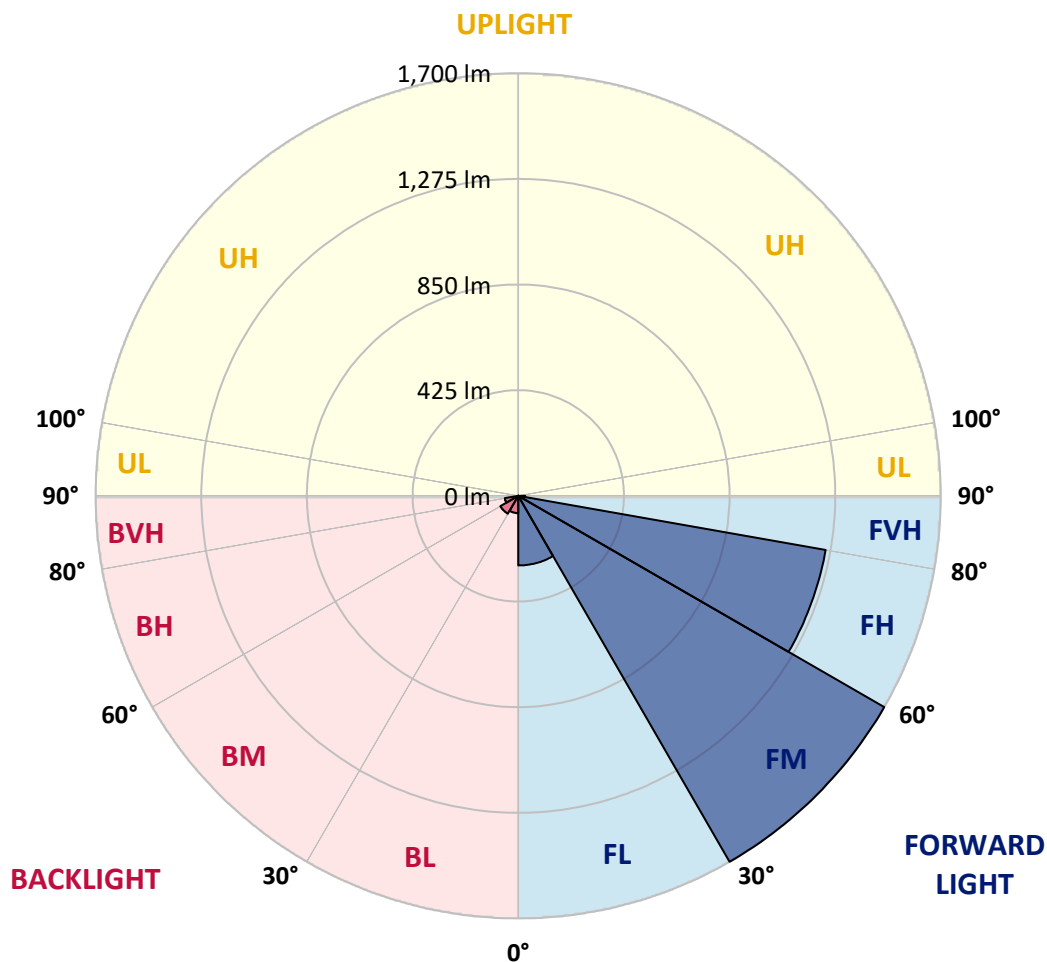


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.1	8.1			
FM (30°-60°)	1699.6	49.0			
FH (60°-80°)	1255.2	36.2			G1/1800
FVH (80°-90°)	27.9	0.8			G1/100
BL (0°-30°)	69.6	2.0	B0/110		
BM (30°-60°)	83.0	2.4	B0/220		
BH (60°-80°)	54.9	1.6	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0
2.5°	464.9	462.9	462.1	458.5	452.2	447.4	438.2	427.5	425.5	415.1	402.4
5°	525.3	523.6	522.4	517.3	510.9	498.9	482.1	462.1	458.3	438.5	413.1
7.5°	567.3	570.3	570.3	567.0	558.9	549.8	529.2	502.0	497.2	466.9	427.5
10°	591.9	595.5	598.3	601.1	599.9	596.3	576.9	546.2	540.4	500.2	444.1
12.5°	594.2	597.8	605.7	617.4	628.8	637.0	624.8	595.2	588.6	538.8	463.9
15°	581.3	585.1	597.3	620.0	647.6	671.7	675.6	649.4	642.6	584.8	488.7
17.5°	558.9	561.4	578.8	610.3	653.5	697.7	721.6	707.6	701.3	637.4	516.2
20°	542.2	544.0	559.4	593.2	649.9	714.0	765.1	769.4	762.8	693.7	546.0
22.5°	570.8	574.1	574.5	590.5	640.0	722.1	803.4	830.2	825.3	753.6	575.4
25°	648.7	652.5	640.0	630.1	648.4	725.7	836.2	892.6	888.6	818.0	604.9
27.5°	751.8	755.7	739.6	710.1	692.4	739.4	865.4	955.9	955.7	886.3	636.7
30°	853.0	857.0	840.5	811.0	770.4	778.2	890.6	1022.1	1023.1	956.7	670.5
32.5°	959.2	964.1	947.1	909.2	866.8	845.1	926.0	1088.8	1094.4	1038.3	708.6
35°	1079.9	1080.5	1056.6	1016.9	968.1	934.6	982.9	1163.4	1176.8	1139.4	756.9
37.5°	1198.2	1203.0	1183.4	1120.7	1075.9	1038.0	1067.5	1256.7	1275.7	1262.8	820.0
40°	1285.9	1296.0	1293.2	1225.6	1183.1	1156.0	1172.5	1367.7	1391.8	1406.6	899.7
42.5°	1341.0	1348.6	1361.4	1320.7	1282.1	1286.6	1296.5	1497.0	1526.6	1570.5	991.2
45°	1404.1	1407.8	1418.5	1400.5	1374.5	1419.3	1428.0	1642.5	1673.7	1746.7	1092.7
47.5°	1481.3	1489.9	1492.8	1476.3	1464.5	1536.7	1554.8	1774.9	1818.6	1935.5	1200.2
50°	1579.5	1581.9	1587.0	1576.3	1564.4	1637.6	1668.6	1913.9	1953.6	2124.9	1306.2
52.5°	1675.7	1683.9	1701.7	1695.0	1690.2	1723.5	1770.0	2039.2	2083.5	2282.9	1412.0
55°	1703.4	1710.5	1771.9	1814.0	1852.9	1829.3	1866.9	2151.5	2199.4	2424.0	1513.9
57.5°	1592.7	1607.1	1713.6	1823.1	1984.5	1993.8	2000.1	2266.7	2309.7	2532.1	1619.9
60°	1313.1	1315.9	1490.7	1678.5	1962.7	2137.4	2194.7	2390.5	2426.6	2632.9	1746.9
62.5°	835.2	863.7	1055.5	1320.5	1732.5	2116.7	2429.9	2577.8	2591.0	2753.7	1928.9
65°	397.8	416.3	554.4	815.9	1254.9	1850.7	2592.3	2916.6	2922.5	2993.2	2172.1
67.5°	220.3	229.2	294.9	439.2	733.6	1308.8	2526.7	3317.9	3323.5	3237.9	2385.4
69°	172.3	179.9	231.6	331.0	497.4	940.7	2286.5	3435.4	3452.1	3308.0	2393.0
70°	146.2	153.7	199.5	279.6	400.0	726.9	2035.2	3406.2	3423.9	3301.4	2336.4
72.5°	89.5	93.8	132.9	196.8	268.1	365.7	1255.1	2880.6	2910.5	3028.4	2008.0
75°	60.3	62.6	83.1	135.8	191.7	188.3	652.0	2030.4	2095.1	2355.7	1483.1
77.5°	43.2	45.3	55.7	87.9	134.4	124.3	295.3	1261.9	1275.7	1412.9	808.8
80°	24.6	26.5	39.4	52.3	91.2	82.9	117.4	602.7	609.7	605.9	270.0
82.5°	12.9	14.5	21.6	34.5	58.5	54.2	48.8	201.8	202.8	168.7	59.2
85°	2.5	3.0	10.7	23.6	30.2	23.6	19.9	47.3	48.3	42.7	14.7
87.5°	0.0	0.2	4.3	5.3	5.9	6.1	6.4	9.2	9.9	13.4	4.0
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°	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0
2.5°	396.8	390.9	379.5	366.3	356.1	346.0	338.1	329.9	326.9	325.4	325.3
5°	400.8	388.3	364.2	339.5	319.2	300.1	286.4	273.3	267.2	264.4	263.3
7.5°	407.4	387.3	348.5	310.8	281.6	257.7	238.7	224.5	217.5	214.5	213.3
10°	415.1	385.9	330.2	280.4	243.2	218.4	199.6	185.6	177.9	174.6	172.9
12.5°	424.2	383.6	309.1	249.8	210.4	185.6	162.9	145.6	136.7	132.9	131.1
15°	435.4	381.3	287.0	220.9	181.5	151.3	126.4	114.7	112.9	112.3	112.4
17.5°	446.4	377.7	263.0	192.4	151.2	118.2	105.5	104.9	105.2	105.2	105.2
20°	456.3	369.5	236.7	168.0	122.3	99.7	97.1	96.0	95.1	94.5	93.6
22.5°	464.1	358.4	211.5	143.8	99.9	91.3	87.2	83.6	80.6	78.6	77.7
25°	469.4	343.7	188.4	120.5	89.9	83.1	75.7	69.6	65.0	62.2	61.0
27.5°	473.3	327.9	167.8	100.9	82.9	73.5	63.8	56.5	51.8	49.3	48.3
30°	476.1	309.9	149.7	88.7	75.2	63.5	53.1	46.0	42.5	41.2	40.6
32.5°	478.8	290.0	132.5	82.9	67.9	54.2	44.5	39.1	36.9	35.3	34.8
35°	485.4	271.5	116.2	76.8	60.5	46.3	38.2	34.3	32.1	31.2	30.8
37.5°	501.0	257.8	100.6	70.6	53.1	40.1	33.5	30.7	28.7	27.7	27.4
40°	526.2	250.9	87.4	63.8	45.8	35.3	30.3	27.7	25.6	24.1	23.7
42.5°	563.3	251.9	78.1	57.0	40.1	31.5	27.4	24.2	21.9	20.6	20.3
45°	608.3	259.2	71.7	50.4	35.3	28.5	24.1	20.8	18.6	17.5	17.1
47.5°	657.1	270.9	66.4	44.5	31.5	25.7	20.8	17.3	15.5	14.5	14.3
50°	708.6	282.2	61.0	38.7	28.2	22.9	17.5	14.3	12.9	12.0	11.7
52.5°	760.7	295.4	56.1	33.5	25.4	19.6	14.5	11.7	10.6	9.9	9.6
55°	816.7	305.3	51.3	29.3	22.6	16.7	12.0	9.7	8.7	7.9	7.7
57.5°	882.7	320.7	46.3	25.4	19.3	13.8	9.9	7.7	6.9	6.1	5.9
60°	971.7	338.6	41.1	22.4	15.8	11.4	8.1	6.3	5.3	4.6	4.5
62.5°	1089.1	358.6	34.5	19.6	12.9	9.2	6.4	4.9	3.8	3.0	3.0
65°	1238.0	391.1	28.2	16.5	10.6	7.6	4.9	3.6	2.1	1.3	1.3
67.5°	1324.8	396.7	22.8	13.5	8.6	6.4	4.1	2.5	0.7	0.2	0.0
69°	1297.0	364.2	19.3	11.5	7.4	6.1	3.8	1.8	0.3	0.0	0.0
70°	1244.5	333.0	17.0	10.2	6.8	5.8	3.6	1.3	0.3	0.0	0.0
72.5°	1028.4	237.1	12.9	7.6	4.9	5.1	3.3	0.8	0.3	0.0	0.0
75°	749.1	144.1	9.2	5.3	3.1	3.8	2.3	0.3	0.2	0.0	0.0
77.5°	416.8	67.9	5.8	3.0	2.0	2.3	1.2	0.0	0.0	0.0	0.0
80°	135.4	18.5	2.6	1.6	1.2	1.3	0.5	0.0	0.0	0.0	0.0
82.5°	25.1	5.3	1.5	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	5.4	2.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.7	0.2	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)