

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: P321290

Luminaire Tested: **GAN-SA6C-740-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34148 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

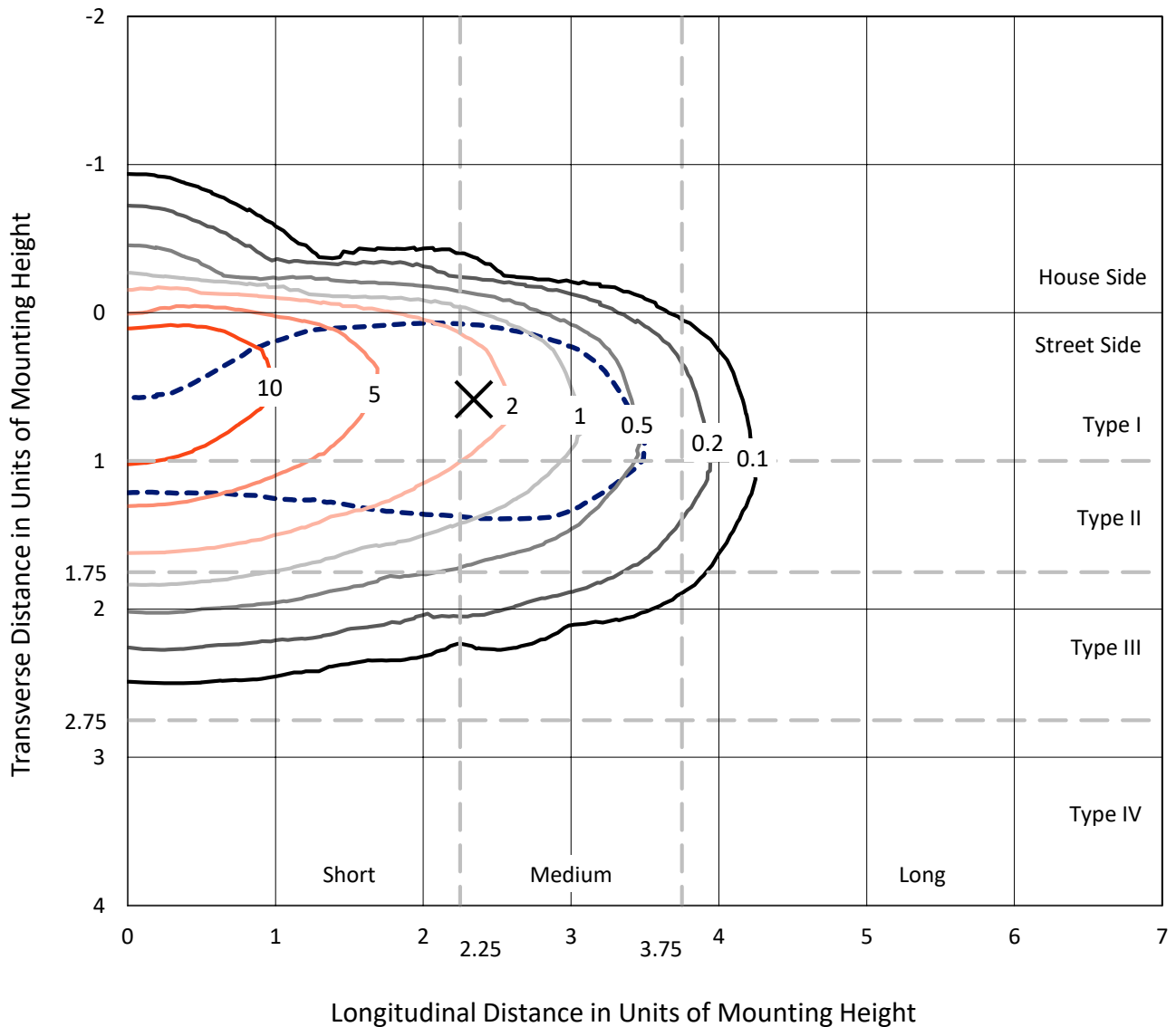
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321290
 CATALOG NUMBER: GAN-SA6C-740-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

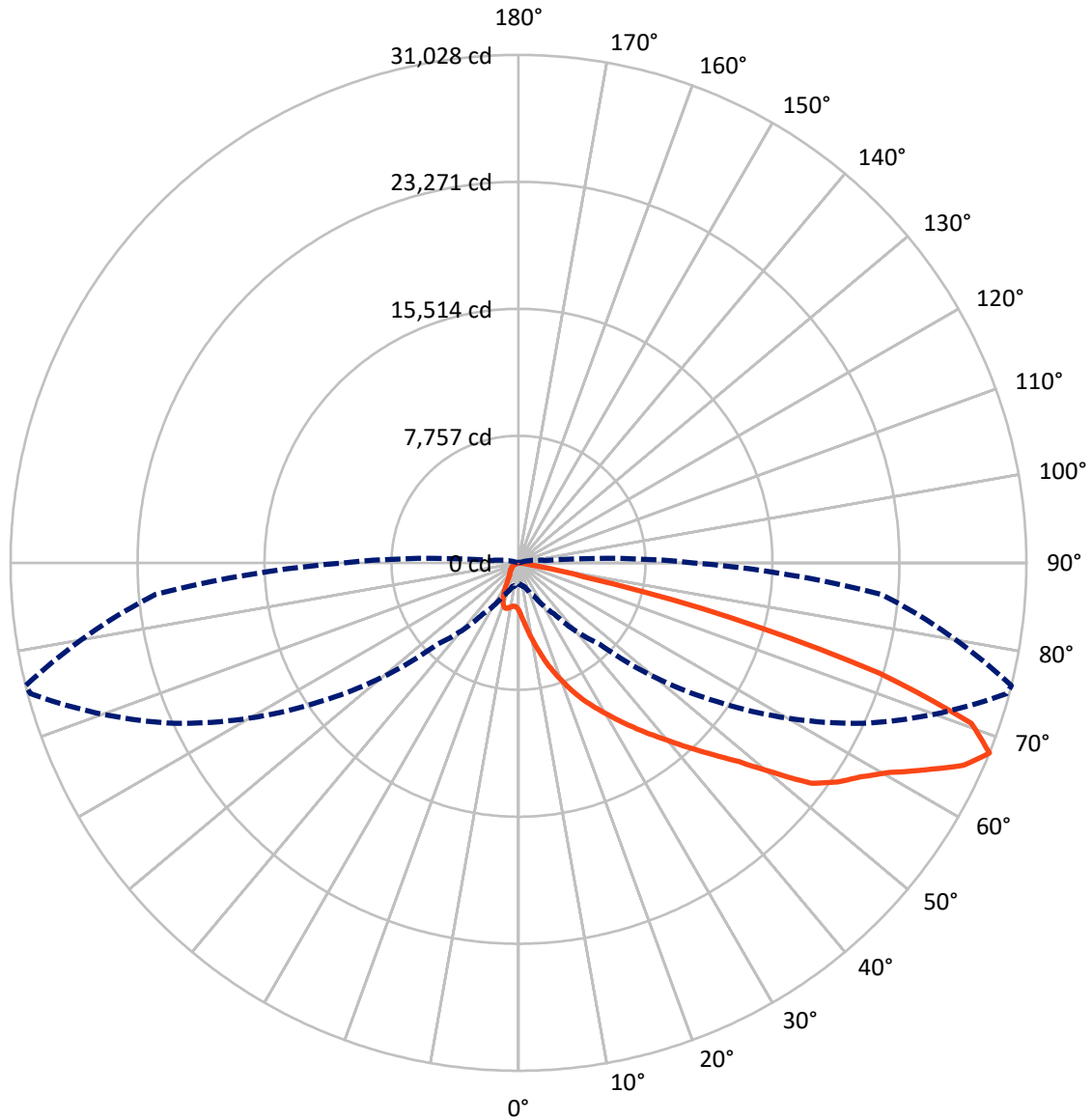
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P321290
CATALOG NUMBER: GAN-SA6C-740-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P321290
 CATALOG NUMBER: GAN-SA6C-740-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1695.7	0.0	1695.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	32452.3	0.0	32452.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	34148.0	0.0	34148.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.2	1.1
10°-20°	1427.9	4.2
20°-30°	2905.3	8.5
30°-40°	5042.7	14.8
40°-50°	7124.7	20.9
50°-60°	8079.7	23.7
60°-70°	6701.4	19.6
70°-80°	2427.4	7.1
80°-90°	78.7	0.2
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°	34148.0	100.0
0°-180°	34148.0	100.0

Coefficient of Utilization

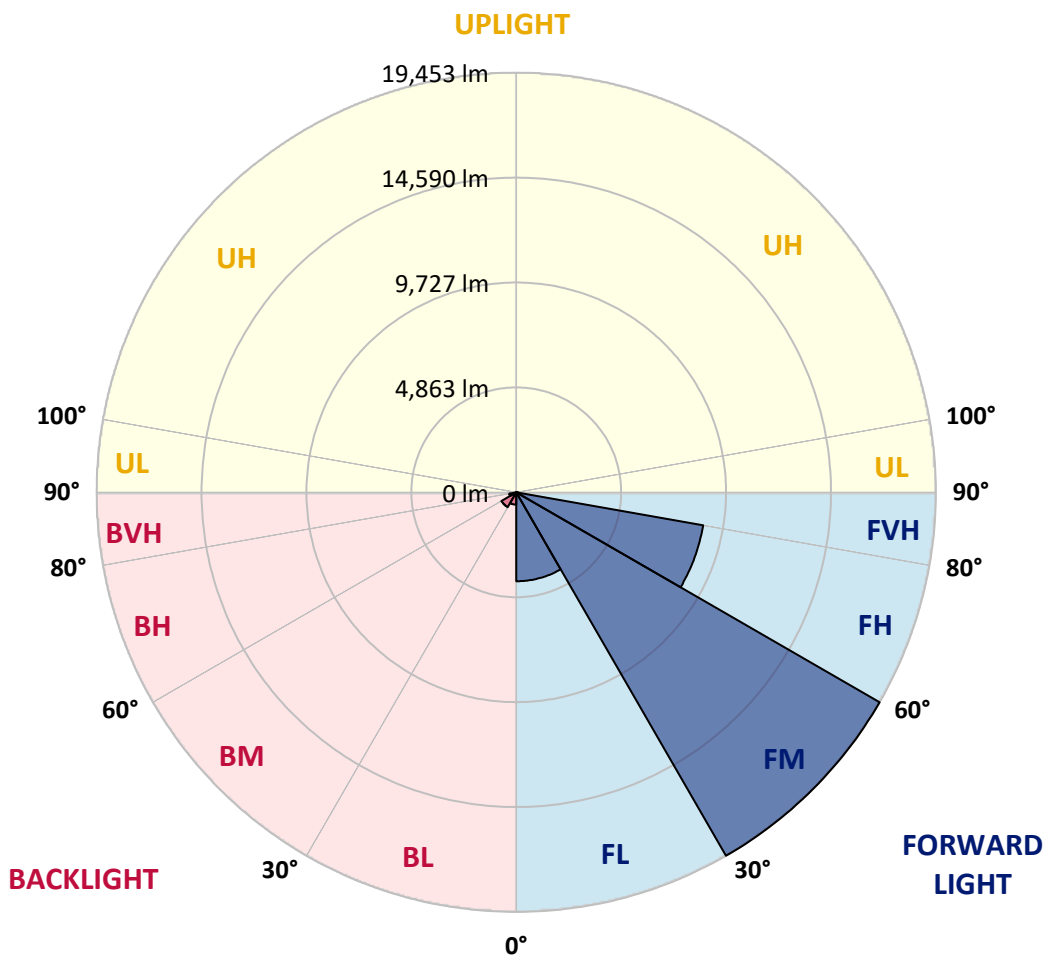


REPORT NUMBER: P321290
 CATALOG NUMBER: GAN-SA6C-740-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4121.6	12.1			
FM (30°-60°)	19453.4	57.0			
FH (60°-80°)	8801.1	25.8			G4/12000
FVH (80°-90°)	76.2	0.2			G1/100
BL (0°-30°)	571.9	1.7	B2/1000		
BM (30°-60°)	793.6	2.3	B1/1000		
BH (60°-80°)	327.7	1.0	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Medium





REPORT NUMBER: P321290

CATALOG NUMBER: GAN-SA6C-740-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7
2.5°	4324.2	4226.9	4249.3	4186.5	4072.8	3839.4	3640.4	3451.8	3231.9	3224.4	3043.4
5°	5830.9	5748.6	5738.1	5610.9	5404.5	5007.9	4621.9	4182.0	3691.2	3655.3	3270.8
7.5°	7198.5	7132.6	7108.7	6957.6	6573.0	6187.0	5684.3	5037.9	4270.3	4204.5	3577.5
10°	8248.8	8217.4	8223.4	8115.7	7786.5	7427.4	6767.5	5943.1	4927.2	4825.4	3945.6
12.5°	9044.8	9052.3	9106.2	9040.3	8856.3	8590.0	7885.2	6908.2	5654.3	5515.2	4366.1
15°	9629.9	9667.3	9766.0	9848.3	9834.8	9604.4	8958.0	7888.2	6426.4	6272.3	4834.4
17.5°	10008.4	10050.3	10193.9	10376.5	10544.1	10490.2	9993.5	8833.9	7207.4	7029.4	5335.6
20°	10340.6	10390.0	10544.1	10785.0	11097.7	11165.0	10838.8	9751.1	7987.0	7770.0	5853.3
22.5°	11060.3	11058.8	11153.0	11293.7	11591.4	11765.0	11558.5	10602.4	8757.5	8531.6	6381.5
25°	12362.0	12312.6	12279.7	12169.0	12234.8	12342.6	12227.4	11398.4	9532.6	9303.7	6917.2
27.5°	13909.1	13939.1	13672.7	13375.0	13144.6	13033.8	12845.3	12136.1	10277.7	10026.4	7440.8
30°	15541.5	15550.5	15236.3	14856.3	14349.0	13928.6	13602.4	12840.8	11043.8	10770.0	7949.6
32.5°	17013.9	16955.5	16644.3	16126.6	15486.2	15013.4	14335.6	13627.8	11854.8	11590.0	8515.2
35°	18180.9	18112.1	17733.6	17262.2	16597.9	16122.1	15306.6	14413.4	12707.6	12448.8	9082.2
37.5°	19033.8	18953.0	18564.0	18079.2	17506.1	17229.3	16433.3	15267.7	13638.3	13360.0	9679.2
40°	19330.0	19259.7	19015.8	18661.2	18200.4	18137.5	17628.8	16250.8	14651.3	14355.0	10355.5
42.5°	19153.5	19084.7	18997.9	18878.2	18686.7	18746.5	18757.0	17371.5	15776.5	15484.7	11102.2
45°	18453.2	18391.9	18481.7	18656.7	18894.6	19190.9	19786.4	18575.9	17033.3	16722.1	11965.5
47.5°	17422.3	17377.4	17625.8	18062.7	18758.5	19575.4	20727.5	19841.8	18444.3	18155.5	13042.8
50°	15956.0	15948.5	16445.3	17242.8	18312.6	19761.0	21700.1	21281.2	20404.4	20100.6	14540.6
52.5°	13672.7	13687.7	14664.7	15941.0	17530.1	19635.3	22325.5	23130.5	22684.6	22368.9	15837.8
55°	11498.7	11588.5	12281.2	14121.6	16330.1	19168.5	22541.0	23993.9	23943.0	23643.7	16559.0
57.5°	9369.5	9532.6	10199.9	11919.1	14578.0	18092.7	22422.8	24367.9	24879.6	24650.7	17510.6
60°	7062.3	7137.1	7906.2	9513.2	12329.1	16129.6	21565.4	24571.4	26160.4	26001.8	18891.6
62.5°	4493.2	4680.3	5362.6	6912.7	9599.9	13403.4	20120.1	24568.4	27762.9	27849.7	20673.7
65°	2367.1	2585.5	2947.6	4283.8	6597.0	10358.5	17946.0	24338.0	29729.0	29850.2	22066.7
67.5°	1276.3	1339.1	1530.7	2223.4	3825.9	7017.4	14751.5	23200.8	30867.6	31027.7	22261.2
70°	933.7	968.1	1039.9	1229.9	1925.7	4075.8	10764.0	20622.8	29399.8	29340.0	19778.9
72.5°	716.7	770.6	824.4	900.7	1107.2	2175.5	6701.7	16149.0	23458.2	23063.2	14784.4
75°	565.6	574.6	650.9	719.7	830.4	1238.9	2976.0	9405.4	14317.6	13382.5	7666.8
77.5°	451.9	457.9	502.7	562.6	667.3	814.0	921.7	3700.2	4571.0	4078.8	1663.8
80°	267.8	282.8	374.1	433.9	553.6	513.2	336.7	803.5	713.7	646.4	279.8
82.5°	149.6	161.6	211.0	342.6	386.0	245.4	167.6	217.0	167.6	163.1	79.3
85°	0.0	7.5	136.2	212.5	157.1	53.9	70.3	71.8	49.4	46.4	31.4
87.5°	0.0	0.0	41.9	40.4	6.0	9.0	16.5	23.9	19.5	19.5	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P321290

CATALOG NUMBER: GAN-SA6C-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7
2.5°	2953.6	2872.8	2720.2	2570.6	2444.9	2341.6	2248.9	2211.5	2181.5	2177.0	2153.1
5°	3085.3	2922.2	2630.4	2391.0	2230.9	2117.2	2019.9	1960.1	1913.7	1895.7	1879.3
7.5°	3284.3	3037.4	2618.4	2343.1	2151.6	1960.1	1780.5	1586.0	1464.8	1418.4	1391.5
10°	3526.7	3190.0	2663.3	2329.7	1994.5	1590.5	1292.8	1045.9	945.6	912.7	903.7
12.5°	3809.5	3380.0	2741.1	2245.9	1659.3	1129.7	891.8	808.0	785.5	775.1	775.1
15°	4134.1	3588.0	2796.5	2003.5	1226.9	854.4	772.1	733.2	709.2	695.8	697.3
17.5°	4466.3	3791.5	2769.6	1651.9	905.2	760.1	698.7	656.9	623.9	610.5	607.5
20°	4801.5	3980.0	2619.9	1229.9	766.1	689.8	620.9	574.6	541.6	528.2	525.2
22.5°	5148.6	4140.1	2356.6	902.2	688.3	612.0	544.6	498.3	466.8	454.9	448.9
25°	5486.7	4270.3	1988.5	730.2	615.0	538.6	474.3	430.9	402.5	390.5	389.0
27.5°	5802.5	4352.6	1562.1	644.9	550.6	472.8	414.5	375.6	351.6	342.6	341.1
30°	6086.7	4360.1	1155.1	582.0	493.8	416.0	362.1	327.7	306.7	297.8	294.8
32.5°	6374.0	4297.2	840.9	525.2	441.4	366.6	314.2	287.3	272.3	264.8	264.8
35°	6644.8	4152.1	655.4	475.8	390.5	318.7	276.8	257.4	248.4	240.9	240.9
37.5°	6909.7	3944.1	556.6	432.4	342.6	278.3	243.9	231.9	224.4	217.0	217.0
40°	7179.0	3682.3	505.7	392.0	303.7	246.9	217.0	206.5	199.0	193.0	191.5
42.5°	7509.7	3380.0	472.8	354.6	269.3	218.5	191.5	179.5	173.6	167.6	164.6
45°	7892.7	3119.7	445.9	317.2	240.9	194.5	166.1	154.1	145.1	137.7	136.2
47.5°	8444.8	2931.2	410.0	276.8	214.0	169.1	143.6	130.2	116.7	109.2	107.7
50°	9149.6	2775.5	363.6	240.9	187.0	143.6	119.7	103.2	91.3	83.8	83.8
52.5°	9499.7	2572.1	321.7	209.5	157.1	121.2	97.3	77.8	71.8	64.3	64.3
55°	9640.3	2416.4	279.8	178.1	130.2	100.2	76.3	59.8	55.4	50.9	49.4
57.5°	10035.3	2371.6	243.9	151.1	107.7	79.3	58.4	44.9	41.9	35.9	35.9
60°	10671.3	2394.0	211.0	128.7	86.8	61.3	43.4	34.4	31.4	25.4	25.4
62.5°	11358.0	2365.6	178.1	110.7	67.3	44.9	29.9	25.4	25.4	15.0	13.5
65°	11489.7	2106.7	152.6	91.3	52.4	32.9	19.5	16.5	22.4	3.0	0.0
67.5°	10663.8	1633.9	131.7	70.3	38.9	25.4	15.0	7.5	19.5	0.0	0.0
70°	8527.1	1038.4	106.2	50.9	29.9	20.9	12.0	3.0	15.0	0.0	0.0
72.5°	6029.9	603.0	83.8	35.9	25.4	16.5	9.0	0.0	9.0	0.0	0.0
75°	3049.4	321.7	52.4	26.9	19.5	12.0	6.0	0.0	1.5	0.0	0.0
77.5°	659.8	149.6	32.9	19.5	13.5	7.5	3.0	0.0	0.0	0.0	0.0
80°	143.6	65.8	20.9	12.0	7.5	4.5	0.0	0.0	0.0	0.0	0.0
82.5°	52.4	34.4	10.5	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.4	18.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.0	6.0	1.5	1.5	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)