

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: P323251

Luminaire Tested: **GAN-SA7C-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41438 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

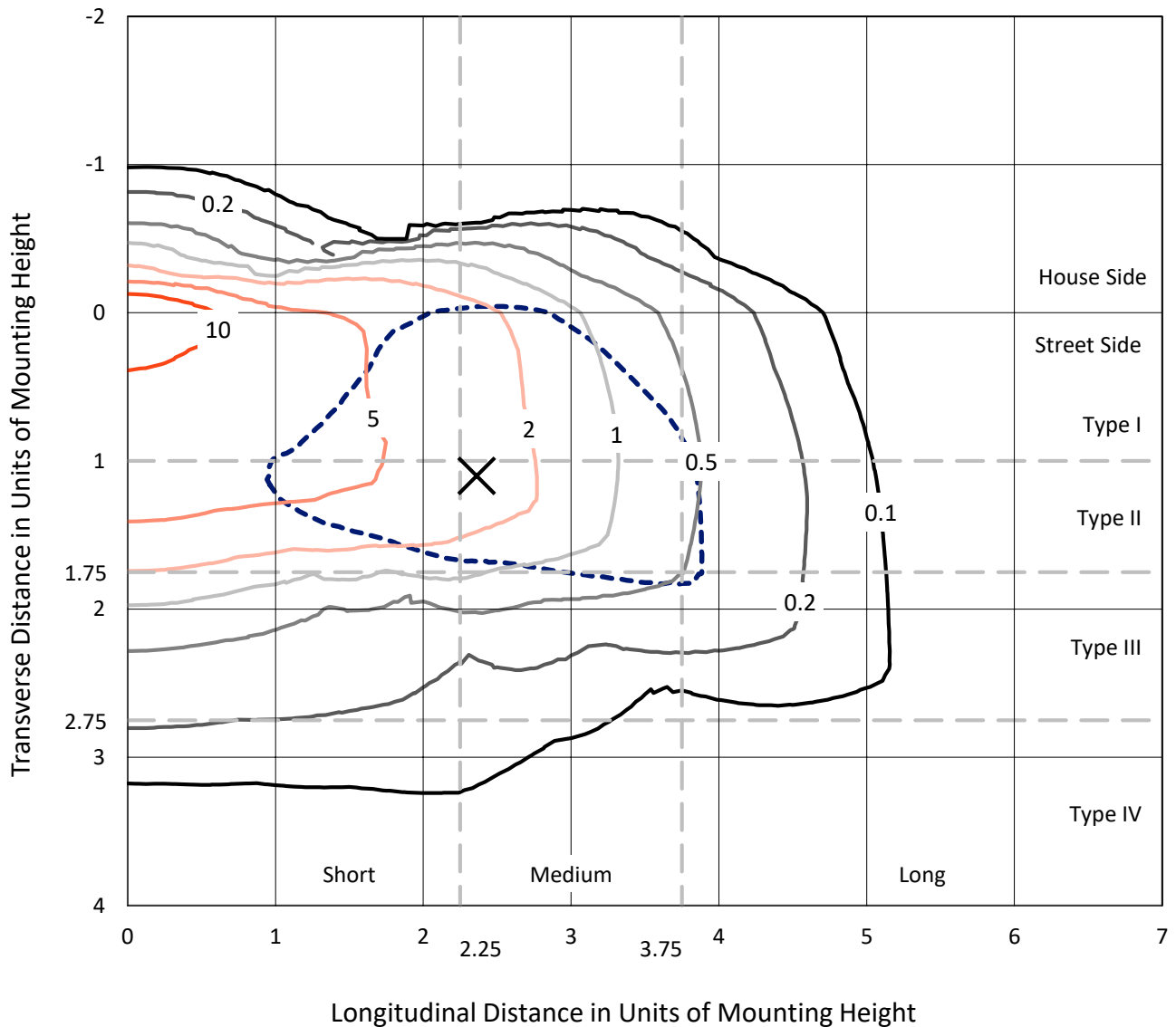
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

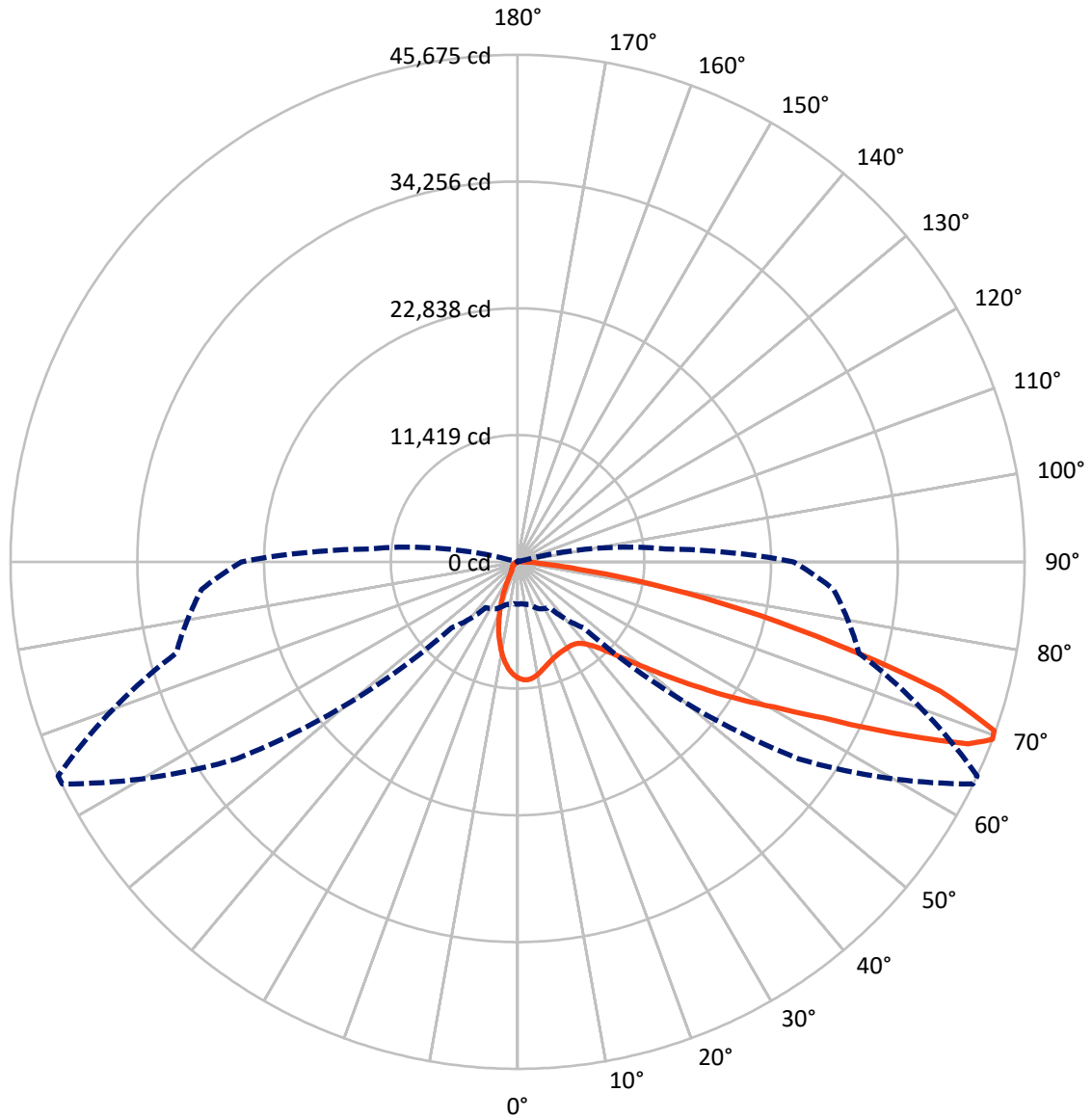
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4884.6	0.0	4884.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	36553.4	0.0	36553.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	41438.0	0.0	41438.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.6	2.1
10°-20°	1916.8	4.6
20°-30°	2654.8	6.4
30°-40°	3701.7	8.9
40°-50°	5753.6	13.9
50°-60°	9236.8	22.3
60°-70°	10448.4	25.2
70°-80°	6136.4	14.8
80°-90°	713.8	1.7
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°	41438.0	100.0
0°-180°	41438.0	100.0

Coefficient of Utilization

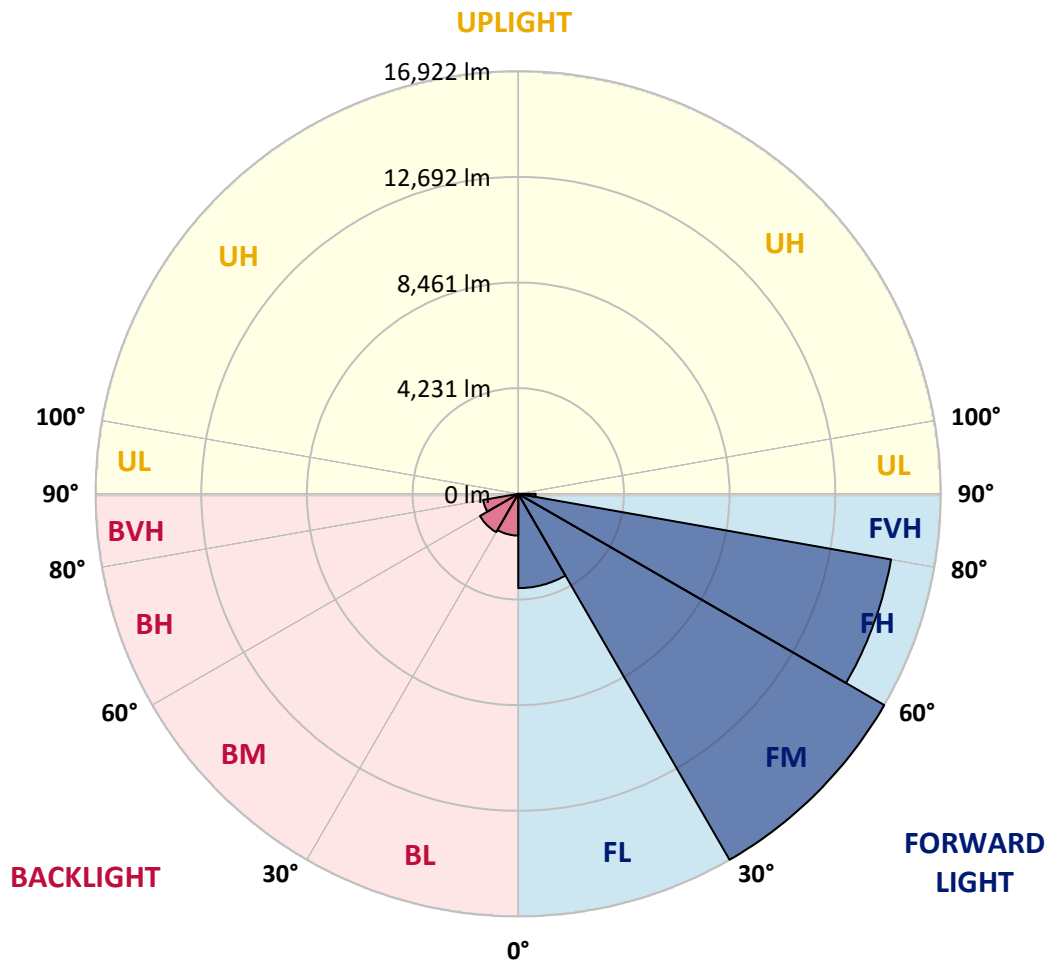


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3776.0	9.1			
FM (30°-60°)	16922.1	40.8			
FH (60°-80°)	15157.6	36.6			G5
FVH (80°-90°)	697.8	1.7			G4/750
BL (0°-30°)	1671.3	4.0	B3/2500		
BM (30°-60°)	1770.0	4.3	B2/2500		
BH (60°-80°)	1427.2	3.4	B3/2500		G3/2500
BVH (80°-90°)	16.1	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5
2.5°	10564.4	10538.1	10559.1	10604.7	10627.5	10627.5	10645.0	10624.0	10631.0	10580.2	10506.5
5°	9903.3	9863.0	9920.9	10048.9	10206.7	10341.7	10541.6	10646.8	10657.3	10659.1	10573.2
7.5°	9191.5	9154.6	9240.6	9391.3	9594.7	9845.5	10194.4	10499.5	10517.0	10681.9	10618.7
10°	8612.8	8586.5	8686.5	8847.8	9086.2	9366.8	9794.6	10219.0	10269.8	10634.5	10611.7
12.5°	8153.4	8132.4	8227.1	8412.9	8656.7	8967.0	9414.1	9906.9	9975.2	10527.6	10576.7
15°	7818.5	7815.0	7893.9	8072.8	8342.8	8632.1	9089.8	9617.5	9696.4	10411.8	10571.4
17.5°	7643.2	7648.4	7706.3	7858.9	8090.3	8377.9	8816.2	9373.8	9459.7	10308.4	10597.7
20°	7625.6	7630.9	7662.5	7748.4	7936.0	8190.2	8593.5	9168.7	9258.1	10231.2	10639.8
22.5°	7779.9	7776.4	7785.2	7776.4	7881.6	8074.5	8446.2	9010.9	9114.3	10180.4	10673.1
25°	8076.3	8071.0	8067.5	8002.6	7932.5	8035.9	8384.9	8921.4	9019.6	10143.6	10692.4
27.5°	8488.3	8484.8	8479.6	8372.6	8162.2	8097.3	8391.9	8888.1	8970.5	10113.8	10688.9
30°	9030.1	9054.7	9047.7	8898.6	8570.7	8284.9	8465.5	8870.6	8942.5	10055.9	10652.1
32.5°	9666.6	9715.7	9754.3	9594.7	9184.4	8656.7	8635.6	8889.9	8942.5	10012.1	10585.4
35°	10327.7	10390.8	10532.8	10476.7	9936.7	9216.0	8928.4	9005.6	9049.4	10036.6	10553.9
37.5°	10978.2	11053.6	11362.2	11525.3	10922.1	9955.9	9384.3	9291.4	9314.2	10185.6	10588.9
40°	11733.9	11847.9	12316.1	12579.1	12098.6	10946.6	10066.4	9782.4	9791.1	10513.5	10752.0
42.5°	12726.4	12843.8	13350.6	13762.6	13424.2	12198.6	10992.2	10532.8	10524.1	11127.2	11136.0
45°	13936.2	14059.0	14583.2	15040.9	14888.3	13682.0	12177.5	11628.7	11618.2	12095.1	11863.7
47.5°	15307.4	15428.4	15896.6	16368.2	16533.0	15414.4	13687.2	13124.4	13099.8	13440.0	12987.6
50°	16484.0	16562.9	16994.2	17628.9	18372.4	17543.0	15565.2	15023.3	14997.0	15226.7	14637.6
52.5°	16911.8	16957.4	17395.7	18284.7	20139.8	20425.6	18032.2	17334.4	17315.1	17415.0	16834.6
55°	16045.6	16128.0	16666.3	17984.9	21097.2	23683.5	21146.3	20196.0	20050.4	19834.7	19131.6
57.5°	13685.5	13817.0	14395.6	16149.0	20650.1	26268.1	25722.7	23432.8	23218.9	21900.3	20999.0
60°	10254.0	10415.3	10895.8	12787.7	18263.7	27188.6	30723.5	27039.6	26557.4	23545.0	22715.6
62.5°	7036.5	7117.2	7443.3	8675.9	13450.5	25680.7	34907.2	31870.3	30990.0	25333.5	24572.5
65°	5374.2	5402.3	5535.6	5959.9	8009.6	20860.5	36571.2	38244.0	37179.6	27472.7	26499.5
67.5°	4331.0	4308.2	4492.3	5099.0	5363.7	12726.4	34630.1	44274.0	43776.0	30332.5	28438.8
69°	3819.0	3787.4	3975.0	4679.9	5037.6	8412.9	30958.5	45643.4	45675.0	31842.2	28572.1
70°	3436.7	3457.8	3643.6	4430.9	4927.1	6603.4	27451.6	45294.5	45543.5	32406.8	27772.5
72.5°	2295.2	2351.3	2724.8	3678.7	4737.8	4997.3	16575.1	38868.2	39825.5	31135.6	23827.3
75°	1294.0	1336.1	1779.7	2773.9	4464.2	4758.8	8754.9	28635.2	29561.0	26036.6	18374.1
77.5°	634.7	657.5	1006.5	1790.2	3733.0	4534.4	4965.7	19450.7	20508.1	16994.2	10392.6
80°	268.3	280.5	503.2	1104.7	2668.7	4327.5	3687.5	11970.6	12102.1	6657.8	2768.7
82.5°	103.5	107.0	212.2	689.1	1695.6	3373.6	3084.3	5675.8	5539.1	1253.7	631.2
85°	12.3	14.0	77.2	413.8	943.3	1735.9	2505.6	2446.0	2263.7	249.0	324.4
87.5°	0.0	0.0	5.3	126.2	280.5	813.6	1302.8	1015.2	915.3	80.7	168.3
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°	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5	10471.5
2.5°	10445.2	10427.6	10332.9	10196.2	10066.4	9905.1	9750.8	9657.9	9584.2	9535.1	9593.0
5°	10473.2	10396.1	10108.5	9740.3	9379.1	8972.3	8593.5	8272.7	8146.4	8006.1	8069.3
7.5°	10464.4	10318.9	9801.6	9145.9	8483.1	7797.5	7148.7	6649.0	6389.5	6135.2	6200.1
10°	10420.6	10175.1	9391.3	8419.9	7427.5	6442.1	5521.5	4821.9	4430.9	4076.7	4127.6
12.5°	10324.2	9982.2	8907.4	7588.8	6261.5	4962.2	3883.8	2987.8	2507.4	2295.2	2321.5
15°	10266.3	9794.6	8395.4	6747.2	5016.5	3456.0	2374.1	1765.7	1546.5	1476.4	1485.2
17.5°	10238.2	9614.0	7865.9	5784.5	3743.6	2200.5	1534.2	1353.6	1306.3	1294.0	1297.5
20°	10210.2	9431.7	7320.6	4832.4	2579.3	1479.9	1260.7	1208.1	1190.6	1174.8	1178.3
22.5°	10162.9	9256.3	6734.9	3868.1	1739.4	1201.1	1136.2	1085.4	1048.5	1029.3	1032.8
25°	10105.0	9072.2	6137.0	2880.9	1269.5	1071.3	1010.0	938.1	894.2	859.2	860.9
27.5°	10012.1	8846.0	5519.8	2097.1	1066.1	959.1	876.7	797.8	724.2	683.8	683.8
30°	9882.3	8590.0	4834.2	1500.9	955.6	848.7	748.7	650.5	571.6	534.8	531.3
32.5°	9738.5	8323.5	4141.6	1138.0	867.9	745.2	631.2	527.8	457.6	427.8	426.1
35°	9615.8	8035.9	3450.7	953.9	780.3	645.3	520.8	433.1	377.0	352.4	350.7
37.5°	9536.9	7748.4	2777.4	852.2	701.4	552.3	436.6	357.7	317.4	298.1	296.3
40°	9524.6	7534.5	2162.0	775.0	627.7	469.9	364.7	303.3	266.5	245.5	243.7
42.5°	9684.2	7411.7	1658.7	710.1	552.3	398.0	310.4	259.5	220.9	199.9	198.1
45°	10103.2	7450.3	1276.5	652.3	476.9	336.7	263.0	215.7	180.6	164.8	161.3
47.5°	10867.7	7716.8	1015.2	594.4	405.0	285.8	224.4	178.8	149.0	133.3	131.5
50°	12228.4	8342.8	848.7	531.3	338.4	243.7	185.9	145.5	121.0	107.0	105.2
52.5°	14034.4	9458.0	757.5	469.9	280.5	206.9	152.5	115.7	94.7	84.2	82.4
55°	16026.3	10808.1	697.9	403.3	229.7	171.8	121.0	91.2	73.6	64.9	61.4
57.5°	17970.9	11977.6	641.8	338.4	191.1	140.3	96.4	71.9	57.9	49.1	47.3
60°	19757.6	13052.5	576.9	271.8	156.1	110.5	75.4	56.1	45.6	36.8	36.8
62.5°	21670.6	13883.6	487.5	212.2	128.0	84.2	61.4	50.8	36.8	31.6	29.8
65°	23697.5	14500.8	382.2	164.8	99.9	63.1	50.8	52.6	29.8	22.8	21.0
67.5°	25195.0	14378.1	282.3	129.8	77.2	49.1	49.1	56.1	26.3	17.5	15.8
69°	24865.3	13380.4	236.7	112.2	66.6	42.1	45.6	56.1	24.5	15.8	14.0
70°	23909.7	12275.7	208.7	99.9	59.6	38.6	43.8	54.4	22.8	15.8	14.0
72.5°	19911.9	9245.8	163.1	75.4	47.3	31.6	36.8	47.3	22.8	15.8	12.3
75°	14977.8	5917.8	124.5	54.4	35.1	24.5	28.1	35.1	22.8	14.0	12.3
77.5°	8149.9	2133.9	89.4	36.8	24.5	19.3	19.3	26.3	21.0	10.5	7.0
80°	2095.3	536.5	56.1	24.5	19.3	14.0	12.3	17.5	12.3	1.8	0.0
82.5°	517.3	121.0	29.8	17.5	14.0	5.3	5.3	8.8	5.3	0.0	0.0
85°	284.1	59.6	19.3	12.3	7.0	0.0	0.0	1.8	0.0	0.0	0.0
87.5°	145.5	17.5	5.3	3.5	1.8	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)