

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: P323860

Luminaire Tested: **GAN-SA6D-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37664 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

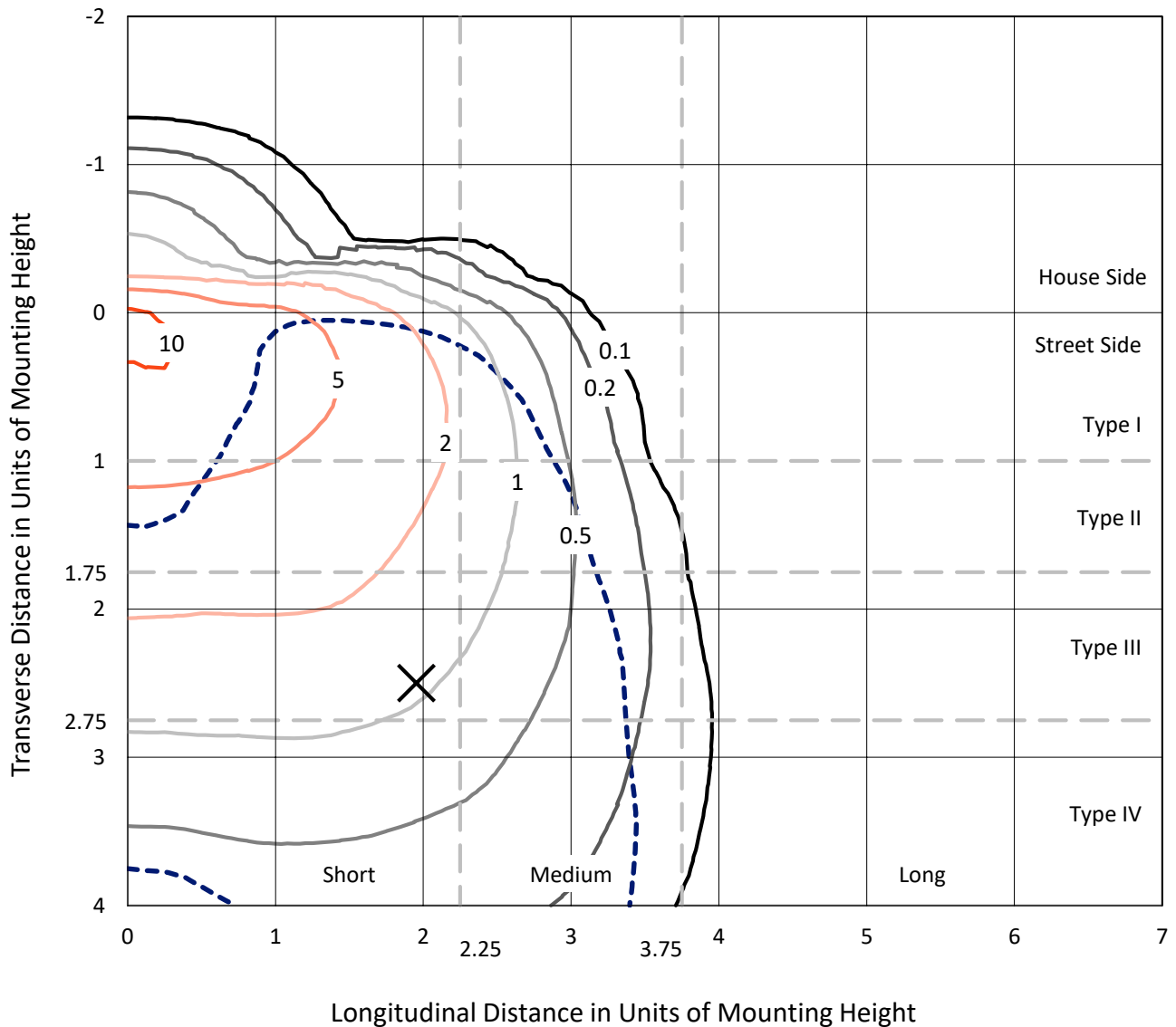
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

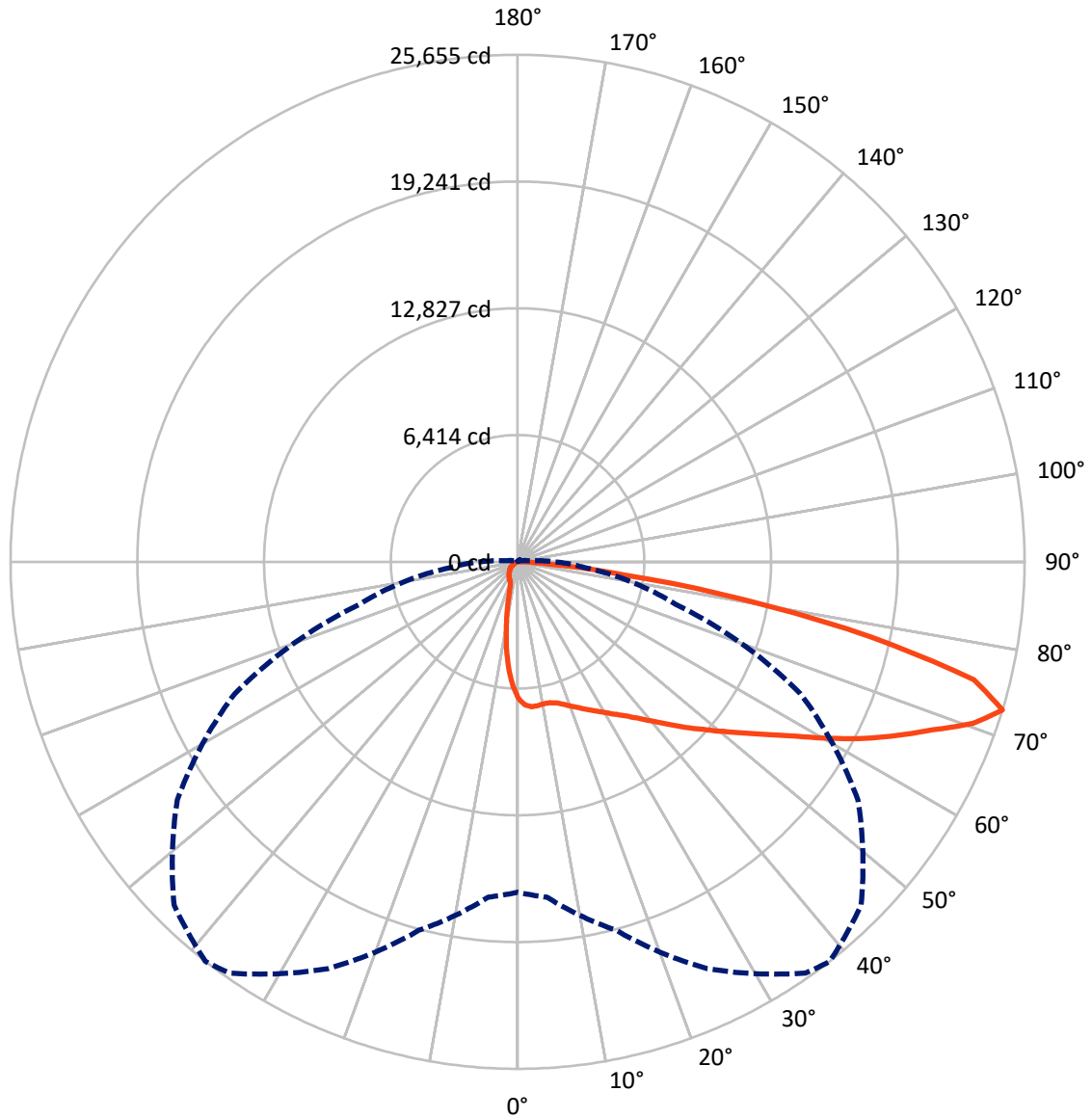
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3169.6	0.0	3169.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	34494.4	0.0	34494.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	37664.0	0.0	37664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.3	1.6
10°-20°	1443.3	3.8
20°-30°	2295.5	6.1
30°-40°	3451.1	9.2
40°-50°	5264.9	14.0
50°-60°	7441.1	19.8
60°-70°	9333.6	24.8
70°-80°	6978.9	18.5
80°-90°	865.4	2.3
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°	37664.0	100.0
0°-180°	37664.0	100.0

Coefficient of Utilization

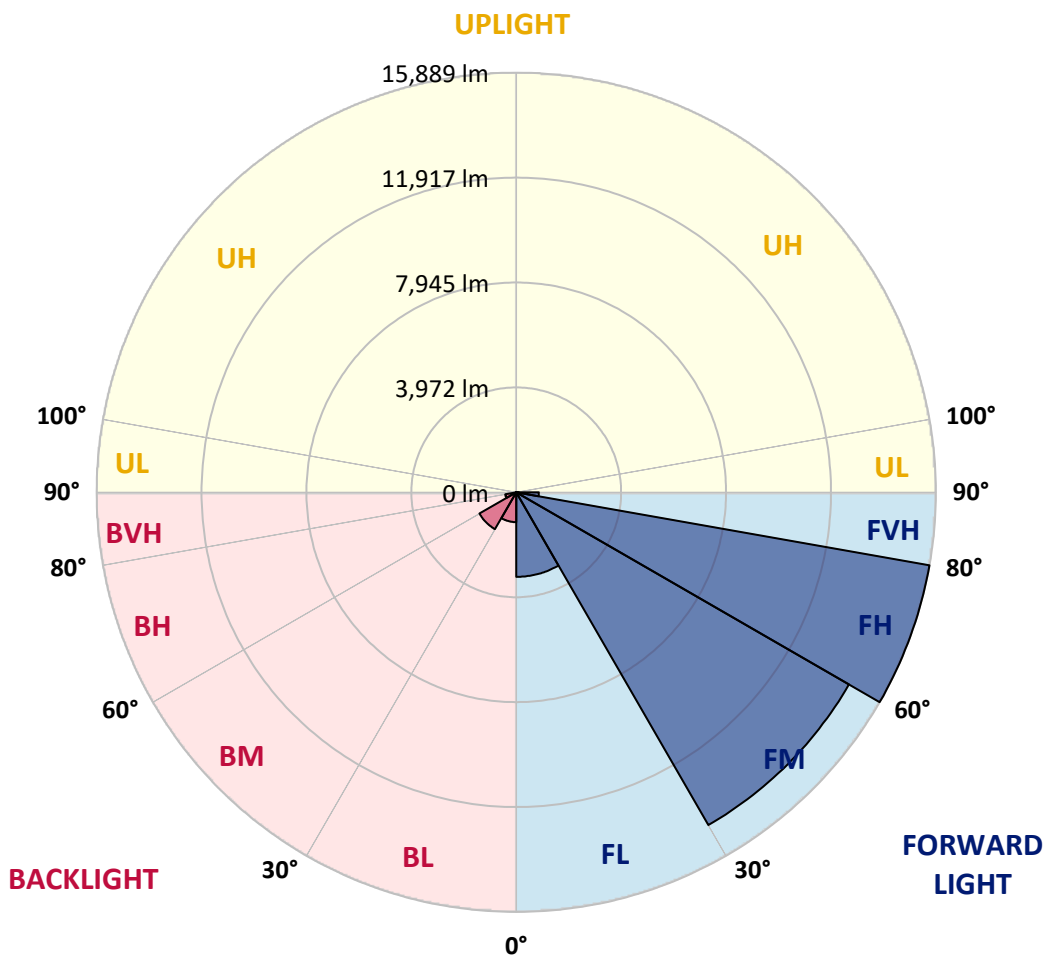


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3200.5	8.5			
FM (30°-60°)	14547.5	38.6			
FH (60°-80°)	15889.1	42.2			G5
FVH (80°-90°)	857.3	2.3			G5
BL (0°-30°)	1128.6	3.0	B3/2500		
BM (30°-60°)	1609.5	4.3	B2/2500		
BH (60°-80°)	423.4	1.1	B1/500		G1/500
BVH (80°-90°)	8.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3
2.5°	7351.7	7353.3	7336.1	7308.0	7272.0	7253.2	7221.9	7171.9	7118.7	7023.3	6920.0
5°	7501.9	7501.9	7480.0	7442.5	7384.6	7367.4	7308.0	7228.2	7118.7	6963.8	6790.2
7.5°	7486.3	7489.4	7459.7	7420.6	7362.7	7347.1	7275.1	7185.9	7049.9	6862.2	6640.0
10°	7404.9	7412.8	7389.3	7370.5	7317.3	7300.1	7232.9	7143.7	7007.6	6807.4	6552.4
12.5°	7322.0	7329.8	7337.7	7354.9	7322.0	7315.8	7262.6	7187.5	7057.7	6849.6	6561.8
15°	7268.8	7284.5	7340.8	7408.1	7415.9	7409.6	7375.2	7304.8	7173.4	6957.6	6629.1
17.5°	7268.8	7293.9	7411.2	7539.5	7584.8	7589.5	7559.8	7461.2	7304.8	7073.3	6691.7
20°	7329.8	7364.3	7547.3	7728.7	7803.8	7803.8	7745.9	7608.3	7425.3	7178.1	6733.9
22.5°	7486.3	7531.6	7761.6	7971.2	8050.9	8033.7	7955.5	7755.3	7550.4	7297.0	6787.1
25°	7794.4	7828.8	8068.2	8279.3	8327.8	8288.7	8190.2	7933.6	7710.0	7458.1	6884.1
27.5°	8191.7	8196.4	8443.6	8621.9	8592.2	8565.6	8442.0	8157.3	7939.9	7688.1	7051.4
30°	8628.1	8628.1	8845.6	8981.6	8890.9	8869.0	8745.5	8427.9	8234.0	8000.9	7289.2
32.5°	9050.5	9069.2	9246.0	9332.0	9230.4	9208.5	9088.0	8770.5	8625.0	8478.0	7659.9
35°	9458.7	9472.8	9640.2	9687.1	9590.1	9596.4	9510.3	9241.3	9186.6	9167.8	8218.3
37.5°	9854.5	9857.6	10028.1	10057.8	10009.3	10062.5	10070.3	9832.6	9934.2	10086.0	9005.1
40°	10215.8	10218.9	10387.9	10464.5	10547.4	10616.2	10677.2	10550.5	10886.8	11238.8	9942.1
42.5°	10505.2	10538.0	10752.3	10897.8	11116.8	11248.2	11414.0	11407.7	12020.9	12549.6	11074.5
45°	10760.1	10816.5	11115.2	11370.2	11745.6	11955.2	12214.9	12418.2	13297.3	14009.0	12221.1
47.5°	11096.4	11149.6	11490.6	11908.3	12408.8	12684.1	13114.3	13553.8	14700.4	15441.8	13341.1
50°	11570.4	11546.9	11883.2	12482.3	13125.2	13486.5	14099.7	14758.2	16092.5	16690.0	13999.6
52.5°	12075.6	12066.3	12315.0	13106.4	13969.9	14392.2	15202.5	16003.3	17423.6	17550.3	14301.5
55°	12701.3	12634.1	12843.7	13818.2	14972.5	15426.2	16380.3	17235.9	18484.2	18035.2	14453.2
57.5°	13356.7	13245.7	13445.9	14611.2	16103.5	16640.0	17684.9	18437.2	19189.6	18366.9	14451.7
60°	14034.0	13902.6	14140.4	15602.9	17508.1	18129.1	19098.9	19249.1	19848.2	18534.2	14345.3
62.5°	14600.3	14522.0	14875.6	16663.4	19077.0	19687.0	20167.3	19987.4	20403.4	18664.1	14096.6
65°	15199.3	15204.0	15775.0	17900.7	20744.4	21155.8	21196.5	20944.7	20868.0	18637.5	13255.0
67.5°	16009.6	16084.7	17037.3	19580.7	22366.5	22684.1	22680.9	21981.7	21207.4	17580.1	11389.0
70°	16866.8	17043.5	18492.0	21503.1	24137.2	24459.4	24293.6	22641.8	19968.6	14215.5	8060.3
72.5°	16722.9	17029.5	19300.7	22715.3	25408.9	25654.5	24576.7	21019.7	15782.8	8262.1	3431.9
75°	12901.5	13256.6	17697.4	21514.0	24074.6	23854.1	21116.7	16356.9	8625.0	2305.6	772.7
77.5°	6815.2	7004.5	11690.8	16389.7	18772.0	18310.5	14875.6	9073.9	2629.4	570.9	347.3
80°	3569.5	3613.3	5094.6	9299.2	11586.0	11589.2	8815.8	3985.6	1084.0	292.5	233.1
82.5°	1911.5	1949.0	2692.0	4296.9	6070.7	5502.9	3375.5	2193.0	630.4	165.8	223.7
85°	459.9	467.7	1526.7	1963.1	2387.0	1705.0	1002.7	1841.1	170.5	97.0	181.4
87.5°	176.8	179.9	566.2	849.4	608.5	394.2	469.3	686.7	21.9	37.5	28.2
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°	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3	6926.3
2.5°	6857.5	6816.8	6716.7	6590.0	6477.4	6396.0	6274.0	6194.2	6141.1	6139.5	6119.2
5°	6683.8	6600.9	6385.1	6128.5	5895.5	5685.9	5438.7	5243.2	5097.7	5074.3	5024.2
7.5°	6497.7	6361.6	6030.0	5629.6	5238.5	4841.2	4379.8	4093.5	3847.9	3730.6	3718.1
10°	6383.5	6192.7	5721.9	5143.1	4529.9	3883.9	3280.1	2862.5	2560.6	2474.6	2410.4
12.5°	6360.0	6108.2	5484.1	4686.3	3810.4	2956.3	2288.4	1844.2	1603.3	1526.7	1506.3
15°	6383.5	6069.1	5283.9	4234.3	3081.5	2097.6	1536.0	1278.0	1187.2	1165.3	1163.8
17.5°	6397.6	6022.2	5057.1	3732.2	2374.5	1498.5	1176.3	1101.2	1087.1	1085.6	1088.7
20°	6396.0	5950.2	4786.5	3172.2	1766.0	1177.8	1063.7	1048.0	1044.9	1046.5	1044.9
22.5°	6385.1	5865.8	4489.3	2595.0	1334.3	1052.7	1015.2	1005.8	1004.2	1004.2	1004.2
25°	6405.4	5798.5	4162.3	2042.8	1099.6	994.8	971.4	963.5	962.0	962.0	958.9
27.5°	6478.9	5761.0	3804.1	1572.0	993.3	943.2	924.4	922.9	918.2	916.6	919.8
30°	6597.8	5761.0	3411.5	1223.2	929.1	890.0	876.0	872.8	871.3	869.7	871.3
32.5°	6807.4	5804.8	2982.9	1016.7	868.1	830.6	821.2	825.9	821.2	821.2	821.2
35°	7185.9	5936.1	2534.0	886.9	804.0	772.7	763.3	769.6	766.5	766.5	764.9
37.5°	7738.1	6180.2	2082.0	808.7	747.7	714.8	702.3	711.7	708.6	708.6	707.0
40°	8410.7	6535.2	1651.8	749.3	692.9	658.5	647.6	652.3	644.5	644.5	647.6
42.5°	9241.3	6985.7	1276.4	691.4	638.2	605.3	599.1	594.4	580.3	572.5	574.1
45°	10164.2	7455.0	994.8	635.1	586.6	560.0	550.6	538.1	514.6	499.0	500.5
47.5°	10988.5	7816.3	808.7	580.3	539.6	519.3	505.2	481.8	447.4	428.6	430.2
50°	11421.8	7871.1	688.2	525.6	495.9	475.5	455.2	419.2	378.5	358.2	356.6
52.5°	11532.9	7614.5	599.1	475.5	452.1	428.6	402.0	353.5	308.1	286.2	283.1
55°	11573.5	7223.5	519.3	428.6	405.1	378.5	344.1	289.4	247.1	225.2	223.7
57.5°	11439.0	6640.0	456.7	386.4	358.2	325.4	283.1	231.5	190.8	173.6	173.6
60°	11140.2	5850.1	408.3	341.0	309.7	272.2	228.4	179.9	142.3	128.3	128.3
62.5°	10544.3	4827.1	362.9	294.1	264.4	225.2	184.6	136.1	100.1	92.3	93.9
65°	9419.6	3661.8	317.5	251.8	225.2	186.1	143.9	97.0	67.3	67.3	70.4
67.5°	7681.8	2543.4	270.6	214.3	194.0	151.7	109.5	67.3	46.9	53.2	59.4
70°	5085.2	1426.6	231.5	176.8	165.8	120.4	81.3	45.4	37.5	50.1	61.0
72.5°	1919.3	555.3	194.0	142.3	143.9	92.3	57.9	34.4	34.4	54.7	72.0
75°	535.0	272.2	139.2	104.8	112.6	67.3	42.2	29.7	32.8	62.6	84.5
77.5°	314.4	200.2	90.7	61.0	76.6	46.9	28.2	23.5	28.2	53.2	81.3
80°	253.4	106.4	53.2	31.3	42.2	26.6	18.8	14.1	7.8	20.3	42.2
82.5°	253.4	64.1	25.0	21.9	21.9	14.1	9.4	6.3	1.6	0.0	10.9
85°	170.5	26.6	15.6	14.1	10.9	4.7	3.1	1.6	0.0	0.0	0.0
87.5°	28.2	10.9	6.3	3.1	1.6	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)