

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: McGRAW-EDISON

Report Number: P532937

Luminaire Tested: **GALN-SA8B-750-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-750-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26820 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

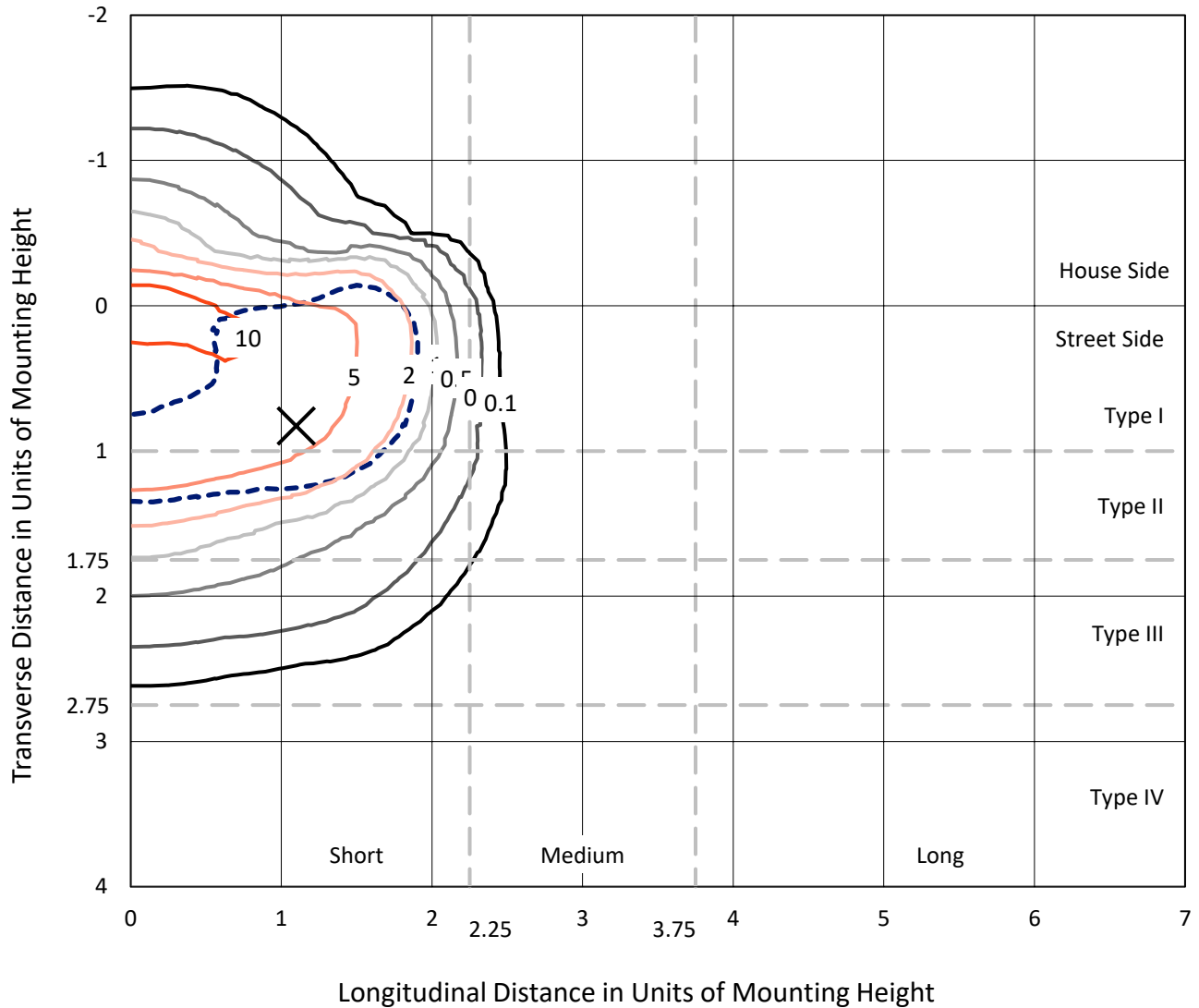
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

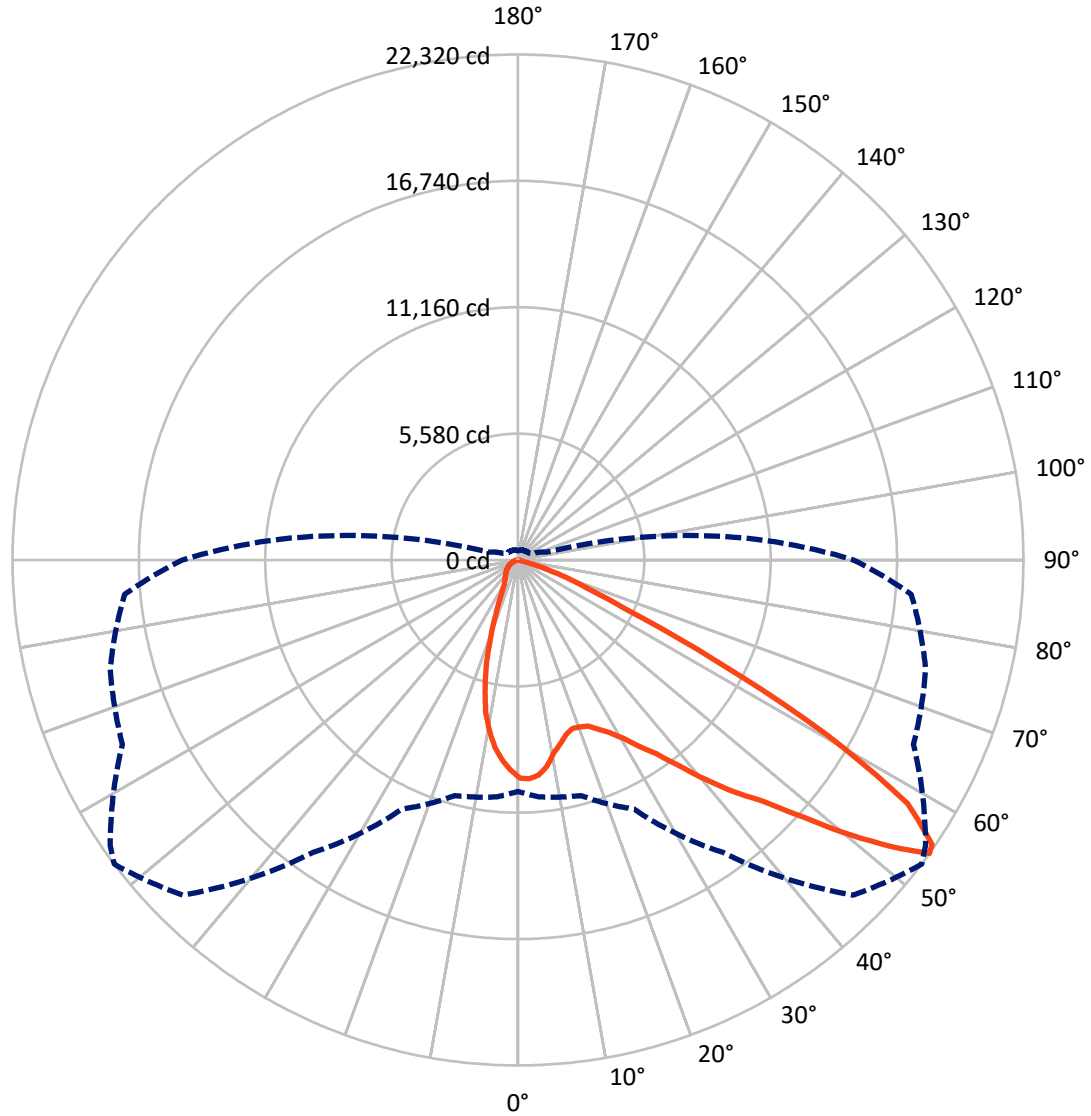
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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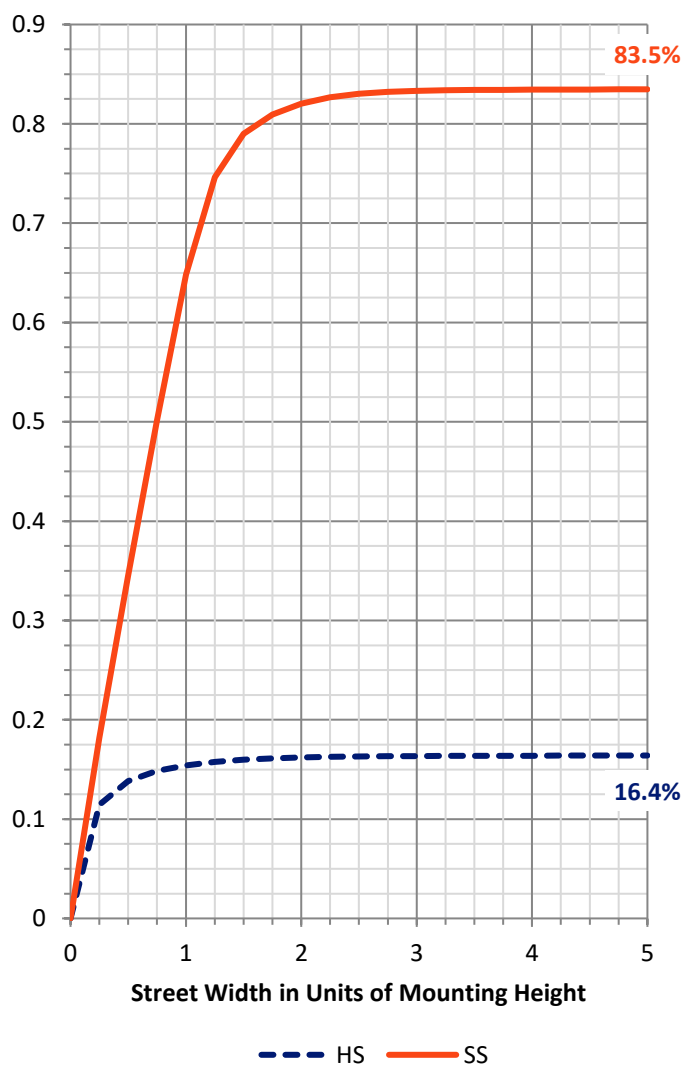
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4437.4	0.0	4437.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	22382.6	0.0	22382.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	26820.0	0.0	26820.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.5	3.1
10°-20°	1894.9	7.1
20°-30°	2693.1	10.0
30°-40°	4156.2	15.5
40°-50°	6516.5	24.3
50°-60°	7569.8	28.2
60°-70°	2860.3	10.7
70°-80°	272.0	1.0
80°-90°	30.6	0.1
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°	26820.0	100.0
0°-180°	26820.0	100.0

Coefficient of Utilization



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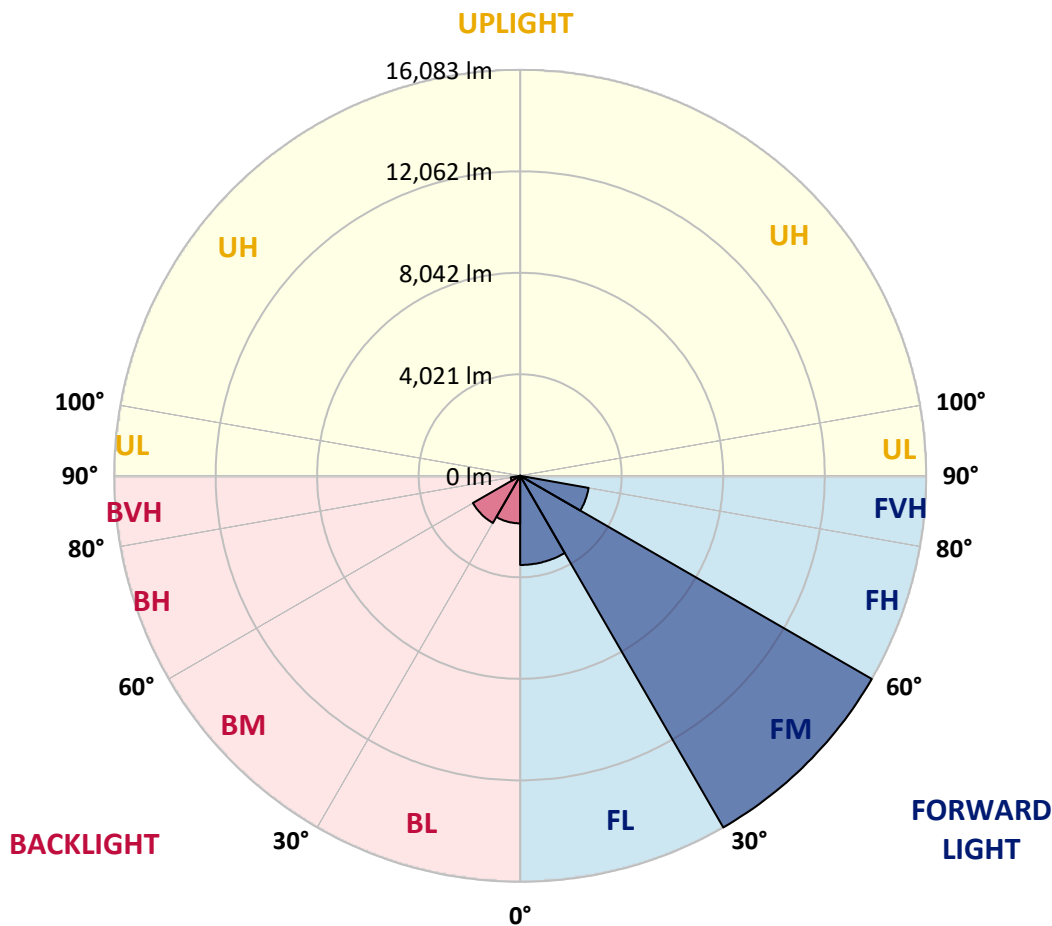
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3531.5	13.2			
FM (30°-60°)	16083.1	60.0			
FH (60°-80°)	2752.1	10.3			G2/5000
FVH (80°-90°)	15.8	0.1			G1/100
BL (0°-30°)	1883.1	7.0	B3/2500		
BM (30°-60°)	2159.4	8.1	B2/2500		
BH (60°-80°)	380.2	1.4	B1/500		G1/500
BVH (80°-90°)	14.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3
2.5°	9583.3	9498.4	9583.3	9593.3	9653.3	9708.2	9673.3	9753.2	9708.2	9658.3	9643.3
5°	8808.9	8923.8	8928.8	9108.7	9068.7	9398.5	9543.4	9503.4	9748.2	9733.2	9698.2
7.5°	8114.3	8069.4	8129.3	8339.2	8604.0	8983.7	9193.6	9188.6	9538.4	9788.2	9763.2
10°	7469.8	7464.8	7589.7	7754.6	7979.4	8379.2	8669.0	8813.9	9358.5	9738.2	9793.2
12.5°	7035.1	7015.1	7150.0	7284.9	7639.7	7949.5	8319.2	8389.2	9013.7	9563.3	9653.3
15°	6750.3	6795.3	6805.3	7065.1	7289.9	7699.6	7989.4	8134.3	8853.8	9423.4	9768.2
17.5°	6700.3	6760.3	6765.3	6980.1	7220.0	7564.7	7819.6	8014.4	8718.9	9493.4	9773.2
20°	6800.3	6765.3	6795.3	6930.2	7165.0	7494.8	7864.5	7929.5	8674.0	9528.4	9828.2
22.5°	7085.1	7075.1	7000.1	7110.0	7274.9	7619.7	7969.5	8069.4	8803.9	9708.2	9873.1
25°	7399.8	7454.8	7384.9	7369.9	7484.8	7824.6	8289.2	8419.1	9238.6	10033.0	10013.0
27.5°	7989.4	7934.5	7934.5	7864.5	7834.5	7999.4	8634.0	8848.8	9723.2	10452.7	10172.9
30°	8554.0	8614.0	8569.0	8594.0	8394.2	8379.2	9123.6	9388.5	10582.6	11092.3	10512.7
32.5°	9448.4	9368.5	9443.4	9378.5	9113.7	8843.8	9788.2	10063.0	11621.9	11826.8	11022.3
35°	10192.9	10157.9	10477.7	10467.7	10038.0	9773.2	10492.7	10902.4	12346.4	12706.2	11621.9
37.5°	11252.2	11187.2	11552.0	11726.8	11342.1	10947.4	11502.0	11976.7	13020.9	13410.7	12236.5
40°	12341.4	12506.3	12996.0	13285.7	12876.0	12351.4	12736.1	12881.0	13470.6	13870.3	12656.2
42.5°	13720.4	13960.3	14459.9	14709.8	14674.8	14105.2	13990.3	13985.3	13795.4	13740.4	12966.0
45°	15044.5	14954.6	15724.1	16268.7	16708.4	16543.5	15199.4	15049.5	14310.0	13935.3	13045.9
47.5°	15624.1	15594.1	16118.8	17088.1	18587.1	18791.9	16958.2	16378.6	15179.4	14754.7	13480.6
50°	14874.6	15029.5	15549.2	16623.4	18921.8	20485.7	19116.7	18337.2	16193.7	15754.0	14509.9
52.5°	12426.3	12531.3	13025.9	14390.0	17782.6	21485.0	21185.2	20735.6	18057.4	17327.9	16303.6
54°	10217.9	10497.7	10767.5	12136.5	15754.0	20930.4	22319.5	21974.7	19271.6	18637.0	17432.9
55°	8898.8	9063.7	9258.6	10622.6	14350.0	19991.1	22189.5	22219.5	20086.0	19046.7	18192.3
57.5°	6500.5	6615.4	6415.5	7020.1	9853.1	16233.7	20295.9	21105.3	21185.2	19661.3	18657.0
60°	4966.5	5016.5	4791.7	4886.6	6125.7	11142.2	15699.1	16673.4	19111.7	17183.0	15804.0
62.5°	3852.3	3862.3	3857.3	4022.2	4222.1	6555.4	9818.2	10682.6	13175.8	12201.5	10732.5
65°	2838.0	2793.1	2873.0	3372.7	3602.5	4122.1	5171.4	5801.0	7160.0	6045.8	4322.0
67.5°	1838.7	1853.7	1933.7	2508.3	3087.8	3162.8	3182.8	3132.8	3137.8	1728.8	1084.2
70°	1104.2	1129.2	1104.2	1419.0	2208.5	2268.4	2073.6	2023.6	1578.9	409.7	404.7
72.5°	654.5	619.6	554.6	609.6	919.4	1099.2	989.3	984.3	619.6	239.8	239.8
75°	274.8	249.8	204.9	184.9	244.8	234.8	234.8	209.9	164.9	159.9	149.9
77.5°	55.0	55.0	40.0	45.0	60.0	70.0	84.9	84.9	99.9	99.9	94.9
80°	0.0	5.0	15.0	30.0	45.0	65.0	74.9	74.9	84.9	84.9	70.0
82.5°	0.0	5.0	15.0	30.0	40.0	60.0	74.9	74.9	84.9	89.9	74.9
85°	0.0	5.0	15.0	25.0	40.0	50.0	50.0	45.0	35.0	30.0	20.0
87.5°	0.0	0.0	5.0	10.0	5.0	10.0	10.0	10.0	10.0	10.0	10.0
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°	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3	9633.3
2.5°	9678.3	9673.3	9553.3	9358.5	9313.5	9148.6	9128.6	9028.7	9083.7	8898.8	8878.8
5°	9598.3	9538.4	9393.5	9268.5	8903.8	8644.0	8439.1	8189.3	8044.4	8069.4	7974.4
7.5°	9713.2	9558.3	9303.5	8868.8	8424.1	7969.5	7724.6	7215.0	7030.1	6755.3	6715.3
10°	9593.3	9478.4	9083.7	8364.2	7749.6	7095.1	6520.5	5955.9	5526.2	5341.3	5301.3
12.5°	9583.3	9383.5	8723.9	7924.5	7035.1	6095.8	5261.3	4556.8	4132.1	3892.3	3837.3
15°	9428.4	9188.6	8319.2	7245.0	6015.8	4846.6	3937.3	3257.7	2933.0	2793.1	2833.0
17.5°	9443.4	9083.7	7914.5	6525.5	5011.5	3557.5	2688.1	2338.4	2253.4	2288.4	2288.4
20°	9428.4	8848.8	7424.8	5696.0	3837.3	2468.3	1973.6	1848.7	1903.7	2013.6	1988.6
22.5°	9348.5	8738.9	6975.1	4821.6	2823.0	1828.7	1583.9	1588.9	1673.8	1808.7	1838.7
25°	9408.4	8494.1	6405.5	3937.3	2058.6	1459.0	1374.0	1409.0	1499.0	1598.9	1618.9
27.5°	9363.5	8319.2	5811.0	3057.9	1504.0	1254.1	1249.1	1289.1	1329.1	1404.0	1404.0
30°	9413.4	8159.3	5226.4	2273.4	1239.1	1149.2	1129.2	1159.2	1199.2	1214.2	1209.2
32.5°	9598.3	8039.4	4551.8	1698.8	1094.2	1049.3	1049.3	1049.3	1044.3	1064.3	1069.3
35°	10003.0	8059.4	3957.2	1314.1	999.3	964.3	949.3	929.4	919.4	929.4	934.3
37.5°	10442.7	8049.4	3342.7	1119.2	929.4	899.4	864.4	834.4	829.4	839.4	824.4
40°	10637.6	8144.3	2773.1	1004.3	864.4	829.4	774.5	749.5	754.5	764.5	754.5
42.5°	10902.4	8174.3	2403.3	914.4	804.4	749.5	714.5	684.5	679.5	694.5	689.5
45°	10897.4	8004.4	2013.6	864.4	749.5	689.5	644.6	619.6	619.6	629.6	634.6
47.5°	11217.2	7979.4	1728.8	819.4	709.5	649.5	594.6	574.6	569.6	569.6	559.6
50°	11961.7	8329.2	1508.9	769.5	659.5	604.6	559.6	534.6	514.6	504.6	499.7
52.5°	13415.7	9418.4	1339.1	709.5	604.6	559.6	519.6	499.7	474.7	449.7	444.7
54°	14824.7	10542.7	1329.1	659.5	559.6	529.6	494.7	484.7	454.7	419.7	409.7
55°	15459.2	11197.2	1364.1	619.6	529.6	509.6	479.7	469.7	439.7	399.7	394.7
57.5°	15983.9	11452.0	1344.1	514.6	479.7	474.7	449.7	434.7	399.7	344.8	334.8
60°	12866.0	8659.0	964.3	454.7	439.7	429.7	409.7	399.7	354.8	294.8	289.8
62.5°	8129.3	4981.5	614.6	399.7	384.7	369.7	344.8	334.8	294.8	234.8	219.8
65°	3462.6	2063.6	414.7	354.8	329.8	304.8	284.8	269.8	234.8	174.9	169.9
67.5°	899.4	734.5	344.8	309.8	274.8	239.8	224.8	199.9	159.9	119.9	114.9
70°	404.7	369.7	289.8	259.8	219.8	184.9	164.9	139.9	104.9	79.9	74.9
72.5°	239.8	234.8	219.8	194.9	164.9	139.9	119.9	94.9	70.0	45.0	45.0
75°	149.9	144.9	149.9	134.9	114.9	104.9	89.9	65.0	40.0	20.0	20.0
77.5°	89.9	89.9	89.9	84.9	79.9	79.9	65.0	40.0	20.0	5.0	5.0
80°	70.0	70.0	74.9	70.0	70.0	70.0	55.0	30.0	10.0	0.0	0.0
82.5°	70.0	74.9	84.9	79.9	70.0	60.0	50.0	30.0	10.0	0.0	0.0
85°	20.0	15.0	25.0	35.0	50.0	45.0	35.0	25.0	10.0	0.0	0.0
87.5°	10.0	10.0	10.0	10.0	5.0	5.0	5.0	5.0	5.0	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)