

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: P383305

Luminaire Tested: **GLEON-SA6B-735-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6B-735-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31191.9 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

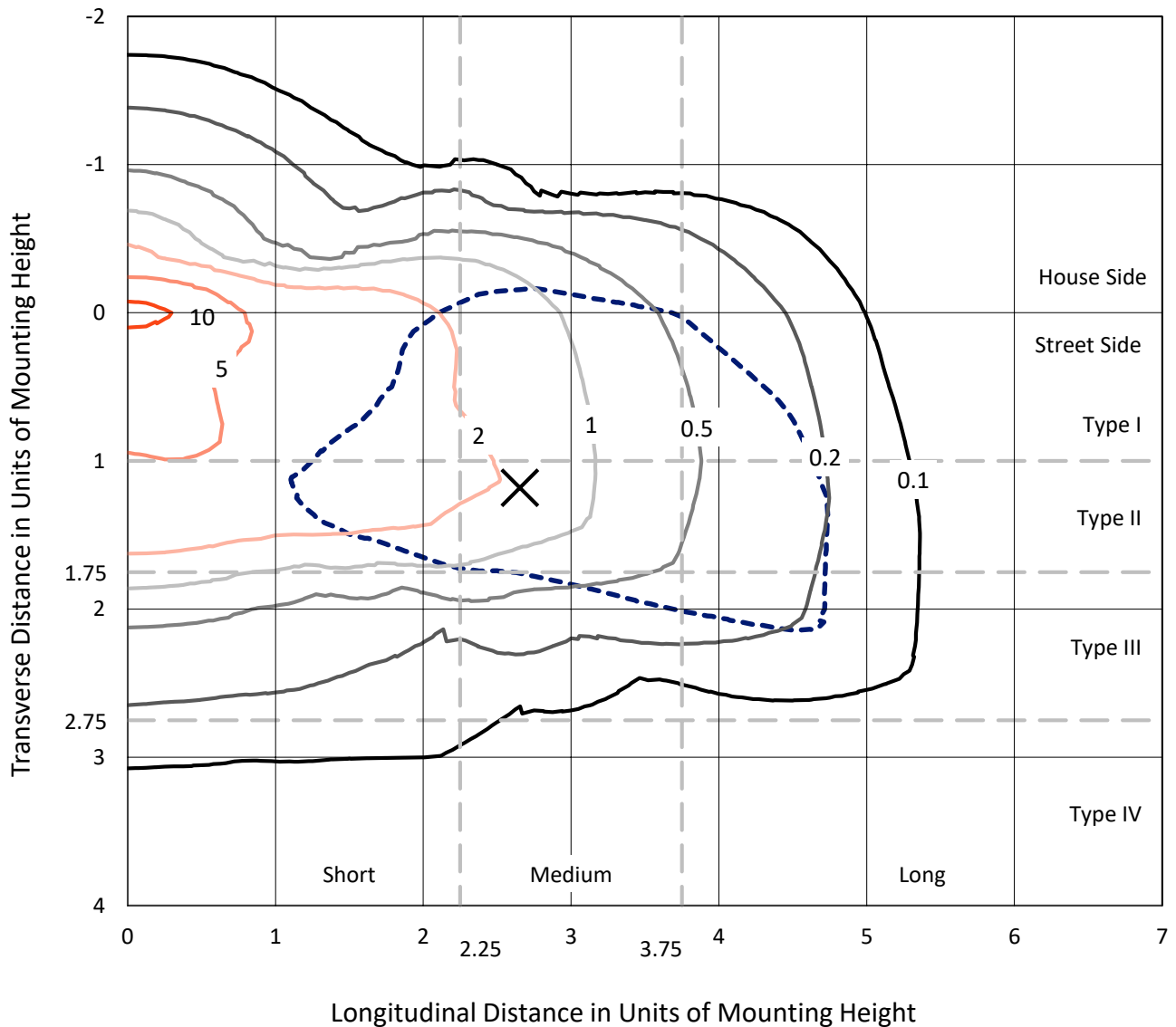
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383305
 CATALOG NUMBER: GLEON-SA6B-735-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

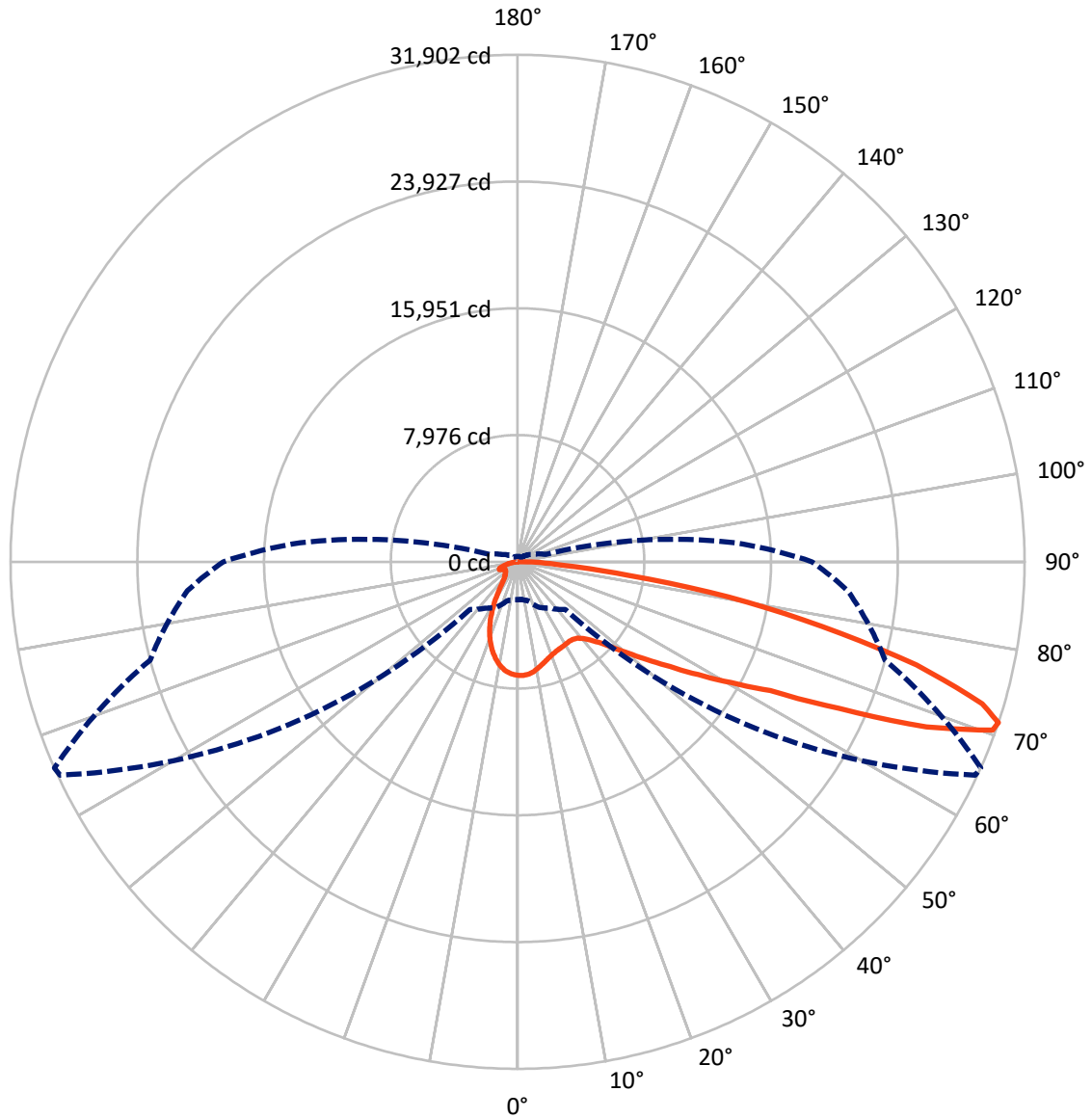
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P383305
CATALOG NUMBER: GLEON-SA6B-735-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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 CATALOG NUMBER: GLEON-SA6B-735-U-SL2

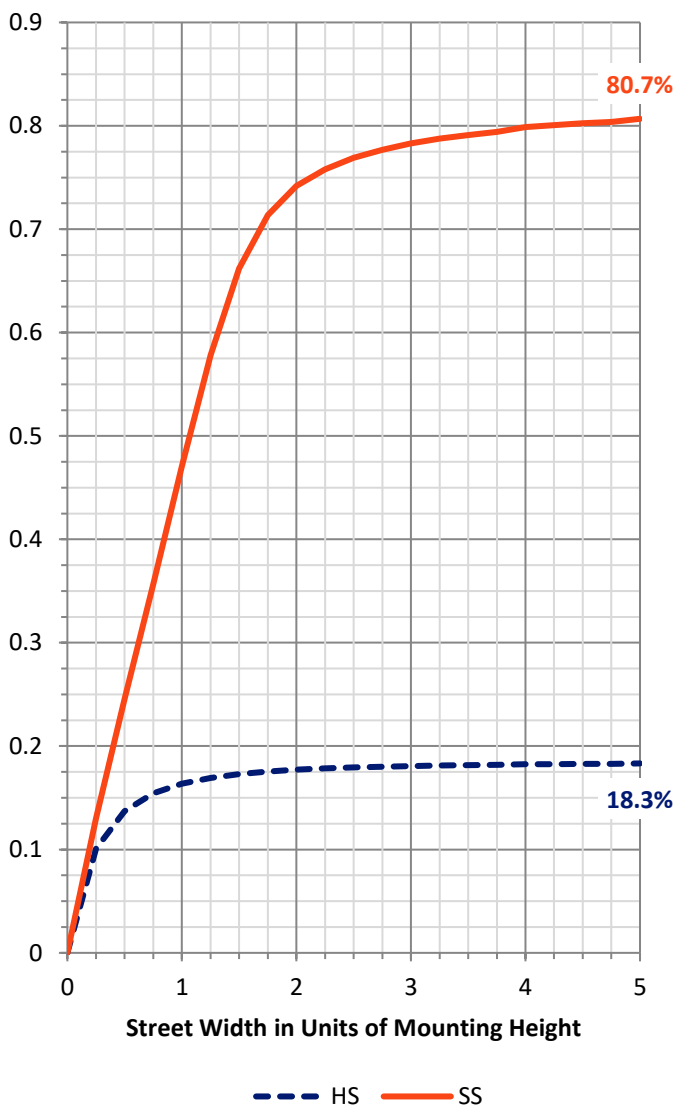
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5780.7	0.0	5780.7
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	25411.2	0.0	25411.2
	% Fixture	81.5	0.0	81.5
Total	Lumens	31191.9	0.0	31191.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.0	2.0
10°-20°	1508.5	4.8
20°-30°	2026.4	6.5
30°-40°	2665.6	8.5
40°-50°	3877.8	12.4
50°-60°	6057.5	19.4
60°-70°	7588.1	24.3
70°-80°	5788.0	18.6
80°-90°	1051.0	3.4
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°	31191.9	100.0
0°-180°	31191.9	100.0

Coefficient of Utilization

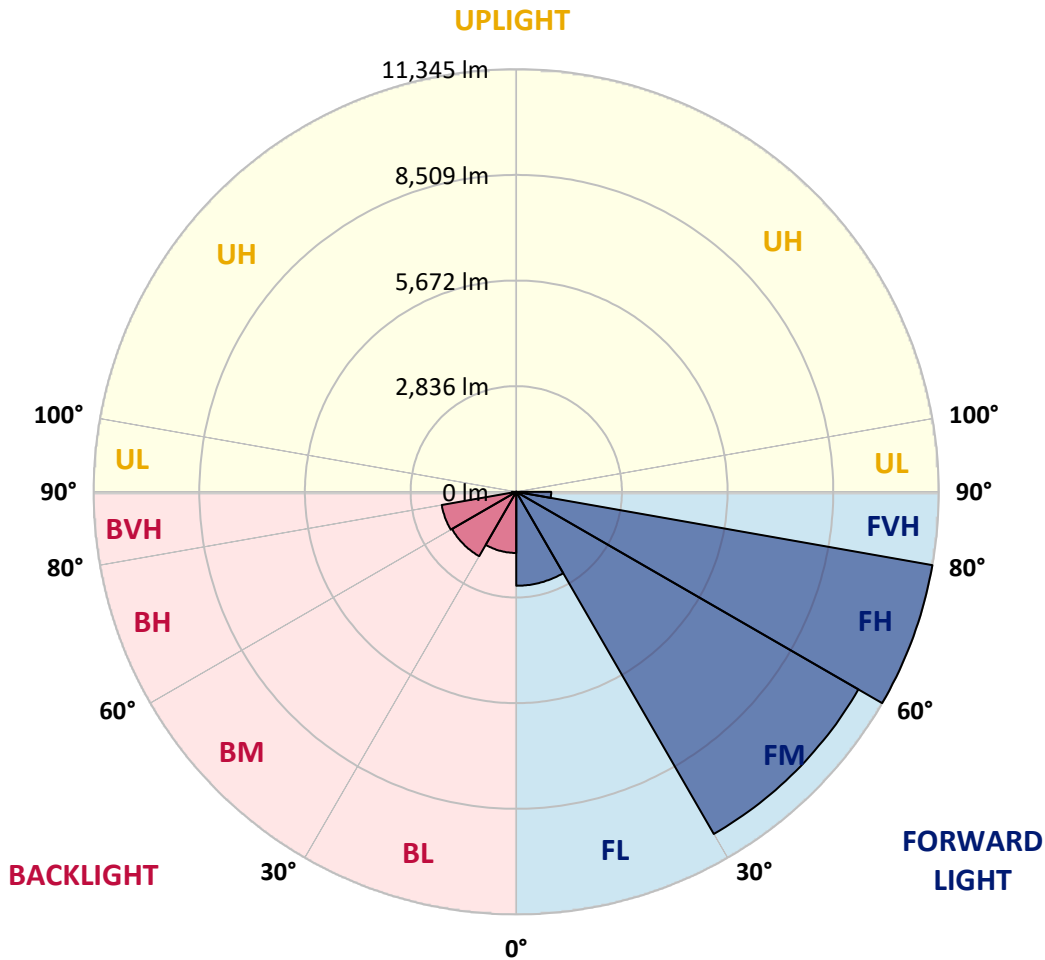


REPORT NUMBER: P383305
 CATALOG NUMBER: GLEON-SA6B-735-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2522.3	8.1			
FM (30°-60°)	10606.8	34.0			
FH (60°-80°)	11344.8	36.4			G4/12000
FVH (80°-90°)	937.3	3.0			G5
BL (0°-30°)	1641.6	5.3	B3/2500		
BM (30°-60°)	1994.2	6.4	B2/2500		
BH (60°-80°)	2031.2	6.5	B3/2500		G3/2500
BVH (80°-90°)	113.8	0.4			G2/225
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





REPORT NUMBER: P383305
 CATALOG NUMBER: GLEON-SA6B-735-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4
2.5°	7013.0	7002.3	7034.6	7067.9	7080.9	7102.4	7134.7	7153.0	7152.0	7155.1	7144.4
5°	6547.8	6533.8	6598.4	6651.2	6752.4	6866.5	7005.4	7104.5	7106.7	7162.7	7177.8
7.5°	6107.3	6097.6	6171.9	6257.0	6374.4	6548.9	6773.9	6987.2	7000.1	7152.0	7204.7
10°	5754.1	5751.9	5824.0	5916.7	6053.5	6248.4	6506.9	6819.1	6838.6	7100.3	7209.0
12.5°	5478.3	5482.7	5545.1	5650.7	5795.0	5998.5	6278.5	6630.7	6662.0	7018.4	7184.3
15°	5274.8	5292.0	5342.7	5449.3	5591.4	5798.2	6085.8	6456.3	6503.6	6926.9	7170.2
17.5°	5158.5	5177.9	5213.4	5301.7	5435.3	5634.6	5907.0	6313.0	6356.0	6856.8	7171.3
20°	5124.1	5140.2	5160.7	5214.5	5327.6	5508.5	5765.9	6183.8	6230.1	6800.9	7182.0
22.5°	5191.9	5203.7	5206.0	5201.6	5270.5	5418.1	5663.6	6089.0	6138.5	6764.2	7189.6
25°	5337.3	5353.4	5341.6	5301.7	5279.2	5369.6	5610.8	6026.6	6076.1	6737.3	7174.6
27.5°	5555.9	5558.1	5548.4	5496.7	5390.0	5375.0	5594.7	5989.9	6037.3	6706.1	7143.3
30°	5853.2	5867.2	5849.9	5779.9	5605.5	5461.1	5614.1	5954.4	5997.5	6666.2	7092.7
32.5°	6201.0	6235.5	6234.4	6161.2	5911.3	5653.9	5693.8	5932.8	5966.2	6624.2	7031.3
35°	6561.7	6609.1	6697.5	6666.2	6357.2	5958.6	5846.7	5967.3	5989.9	6618.8	6988.2
37.5°	6936.6	6983.9	7165.9	7250.0	6888.0	6394.9	6087.9	6089.0	6099.8	6684.5	6985.0
40°	7328.6	7379.2	7652.7	7871.3	7576.3	6947.3	6476.7	6343.2	6331.3	6846.0	7048.6
42.5°	7877.8	7923.0	8251.5	8530.4	8339.8	7654.9	7014.1	6735.2	6710.4	7162.7	7252.1
45°	8572.4	8611.1	8960.1	9258.4	9160.4	8462.6	7689.4	7274.7	7270.4	7690.4	7664.6
47.5°	9398.4	9428.6	9741.9	10030.6	10066.1	9392.0	8537.9	8107.2	8037.2	8414.1	8303.2
50°	10258.9	10292.3	10505.5	10815.6	11079.5	10635.9	9630.0	9127.0	9033.3	9369.3	9207.8
52.5°	10828.6	10872.7	11057.9	11451.0	12218.9	11999.3	10921.2	10363.4	10221.2	10527.0	10403.2
55°	10574.5	10673.5	10956.8	11586.8	13130.0	14082.0	12514.0	11805.4	11644.9	11899.0	11825.8
57.5°	9418.9	9554.6	9941.2	10913.6	13258.2	15917.1	14922.0	13503.7	13390.6	13317.4	13350.8
60°	7307.0	7437.3	7916.6	9184.1	12365.4	17256.8	18545.9	15597.3	15433.6	14741.1	14771.3
62.5°	5171.5	5105.7	5434.2	6361.4	10047.8	17414.1	22669.5	18397.3	17858.8	16244.5	16112.0
65°	3943.7	3928.6	4076.2	4371.3	6085.8	15532.6	25126.0	23103.5	22262.4	18012.9	17700.5
67.5°	3240.5	3213.6	3359.0	3788.7	3918.9	10020.8	25179.8	28563.6	27737.6	20214.1	19537.8
70°	2664.3	2634.2	2769.9	3324.5	3621.8	5082.1	21192.0	31761.0	31716.9	23001.2	20924.9
71°	2388.7	2367.1	2529.7	3145.7	3558.2	4235.6	18297.2	31769.6	31902.1	23944.6	20843.0
72.5°	1945.0	1952.5	2124.8	2800.0	3510.8	3740.2	13447.7	30288.8	30568.8	24843.8	20098.9
75°	1292.3	1298.8	1524.9	2153.8	3404.2	3659.4	7391.0	25415.7	25930.5	24305.4	18340.2
77.5°	868.0	865.9	1019.9	1477.5	2965.9	3659.4	4333.6	19009.0	19574.4	19339.6	14139.1
80°	597.7	593.4	702.2	1019.9	2245.4	3703.6	3350.3	13321.7	13492.9	10444.1	5746.5
82.5°	366.2	369.4	458.8	720.5	1528.2	3333.1	3163.0	7263.9	7077.6	2929.3	1435.5
85°	210.0	208.9	293.0	487.9	981.1	2813.0	3084.4	3126.4	2867.9	882.0	519.1
87.5°	75.4	80.8	157.2	270.3	562.2	1959.0	2617.0	1626.2	1465.7	398.4	234.7
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: P383305
 CATALOG NUMBER: GLEON-SA6B-735-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4	7145.4
2.5°	7136.9	7143.3	7135.7	7092.7	7056.1	6996.9	6963.5	6917.1	6903.1	6896.7	6913.9
5°	7163.8	7165.9	7102.4	6989.3	6862.2	6712.5	6604.9	6472.4	6409.9	6383.0	6400.2
7.5°	7188.6	7178.9	7039.9	6823.5	6588.6	6328.1	6096.5	5884.4	5760.5	5709.9	5714.2
10°	7191.7	7150.8	6927.9	6593.0	6229.0	5846.7	5491.3	5163.9	4957.1	4822.5	4863.4
12.5°	7158.4	7089.4	6763.1	6294.7	5789.6	5268.4	4788.1	4296.9	4001.9	3865.1	3869.5
15°	7132.6	7007.7	6560.7	5943.6	5265.1	4574.8	3918.9	3341.7	3027.3	2887.2	2821.6
17.5°	7111.0	6919.3	6326.0	5548.4	4645.9	3770.3	2982.1	2467.3	2295.0	2254.1	2236.8
20°	7080.9	6825.6	6064.2	5090.7	3940.5	2870.0	2177.6	1923.4	1924.5	1971.9	1978.3
22.5°	7038.9	6719.0	5785.3	4577.0	3183.4	2090.3	1707.0	1633.7	1708.0	1798.4	1814.7
25°	6976.4	6593.0	5475.2	4009.5	2427.4	1606.8	1458.2	1455.0	1545.4	1640.2	1654.1
27.5°	6888.0	6428.2	5130.5	3399.9	1788.8	1365.6	1306.3	1328.9	1395.7	1464.7	1470.0
30°	6769.6	6236.5	4750.3	2756.9	1402.2	1215.9	1209.4	1229.8	1270.8	1319.3	1323.5
32.5°	6639.3	6041.6	4344.4	2134.5	1200.8	1135.1	1141.5	1151.2	1170.7	1190.1	1194.3
35°	6520.8	5842.4	3928.6	1621.8	1104.9	1082.4	1078.0	1075.8	1078.0	1071.6	1072.6
37.5°	6444.4	5677.6	3495.7	1291.2	1050.0	1036.0	1023.1	1006.9	988.7	977.8	980.0
40°	6416.4	5554.8	3057.4	1115.7	1004.8	995.1	970.3	935.8	914.3	907.9	907.9
42.5°	6491.8	5491.3	2634.2	1027.4	967.1	950.9	910.0	870.2	854.0	852.9	851.9
45°	6722.2	5517.2	2231.4	979.0	932.7	901.4	847.5	814.2	803.4	805.5	804.5
47.5°	7135.7	5679.7	1886.8	946.6	898.2	857.2	796.9	770.0	757.1	757.1	758.2
50°	7839.0	6059.9	1612.1	919.7	869.0	816.3	760.3	726.9	709.7	708.6	708.6
52.5°	8863.2	6740.6	1440.9	897.1	836.8	779.7	723.7	681.7	661.2	656.9	654.8
55°	10146.9	7716.3	1393.6	882.0	793.7	739.8	679.6	637.6	614.9	605.2	604.2
57.5°	11582.5	8903.0	1487.2	863.7	749.5	692.5	631.1	591.3	567.5	555.7	554.6
60°	13035.2	10198.6	1869.5	837.8	712.9	640.8	581.6	545.0	521.2	508.3	506.2
62.5°	14490.1	11564.1	2650.3	835.7	687.1	591.3	530.9	499.7	477.0	463.1	459.8
65°	16131.4	13058.9	3537.7	892.8	678.4	546.0	479.3	454.5	435.1	422.2	421.1
67.5°	18016.0	14746.5	3452.7	1010.2	707.5	505.1	430.7	411.4	397.4	386.6	385.6
70°	18900.3	14482.7	2146.4	1093.1	748.5	465.2	384.4	370.5	359.7	352.1	349.0
71°	18529.8	13751.4	1799.6	1083.4	744.1	448.0	366.2	355.4	344.6	338.2	334.9
72.5°	17519.6	12541.0	1501.3	1008.0	695.7	416.8	342.4	331.7	322.0	314.5	312.3
75°	15721.1	11200.1	1201.9	805.5	554.6	352.1	300.4	288.6	281.0	276.8	272.5
77.5°	11556.6	7993.1	929.4	636.4	408.2	287.6	256.3	247.7	240.2	233.7	230.5
80°	4427.3	3096.2	625.7	474.9	299.4	227.2	206.8	202.4	194.9	190.6	190.6
82.5°	1192.2	925.1	333.9	287.6	200.3	165.8	158.3	156.1	149.7	141.0	142.2
85°	482.4	408.2	187.4	158.3	122.8	98.0	106.7	107.7	100.1	89.4	90.5
87.5°	212.1	173.4	104.4	70.0	53.8	37.7	48.4	48.4	44.2	36.6	33.3
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)