

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: P526225

Luminaire Tested: **GALN-SA1A-830-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2743 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 33
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



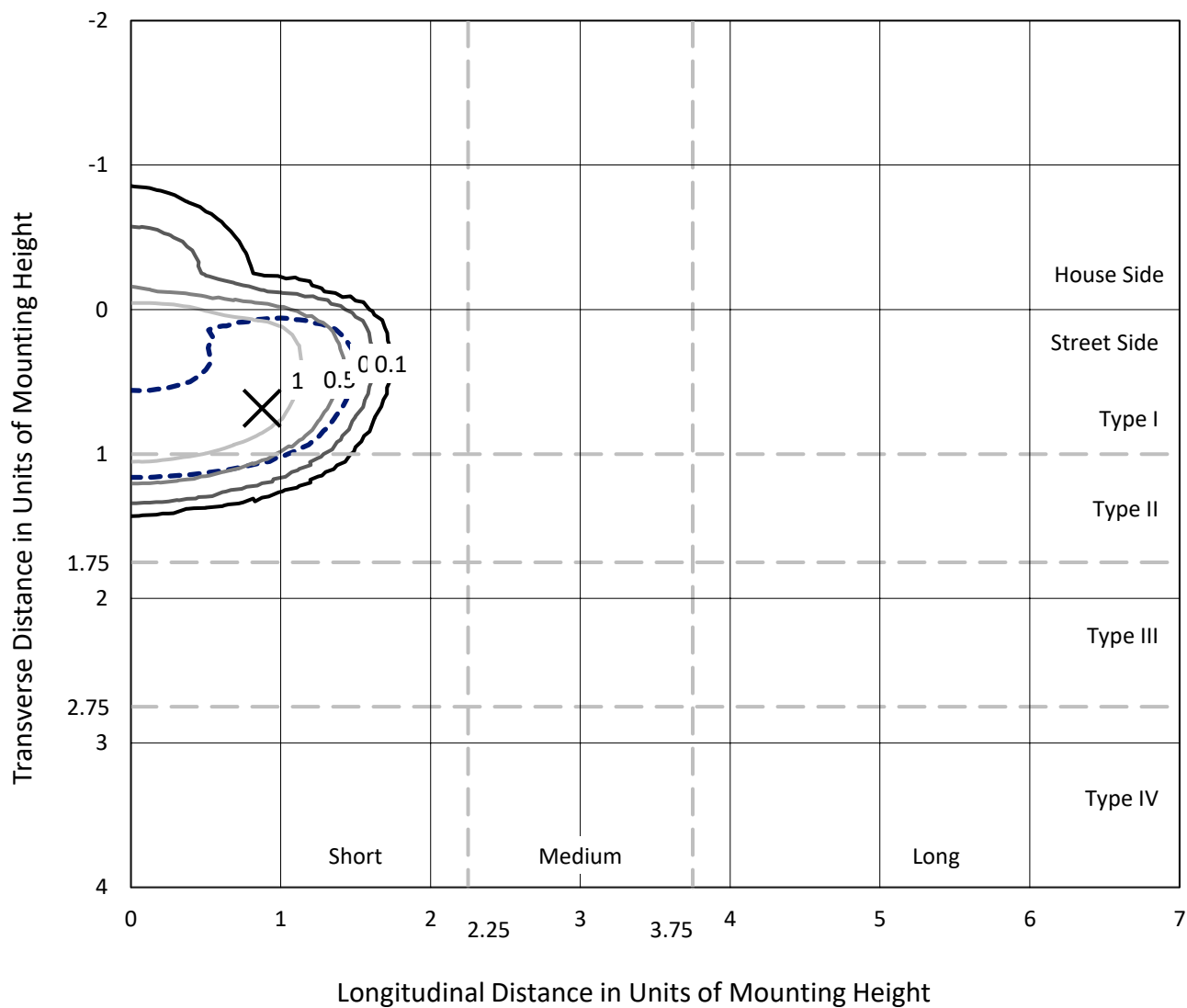
REPORT NUMBER: P526225

CATALOG NUMBER: GALN-SA1A-830-U-AFL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

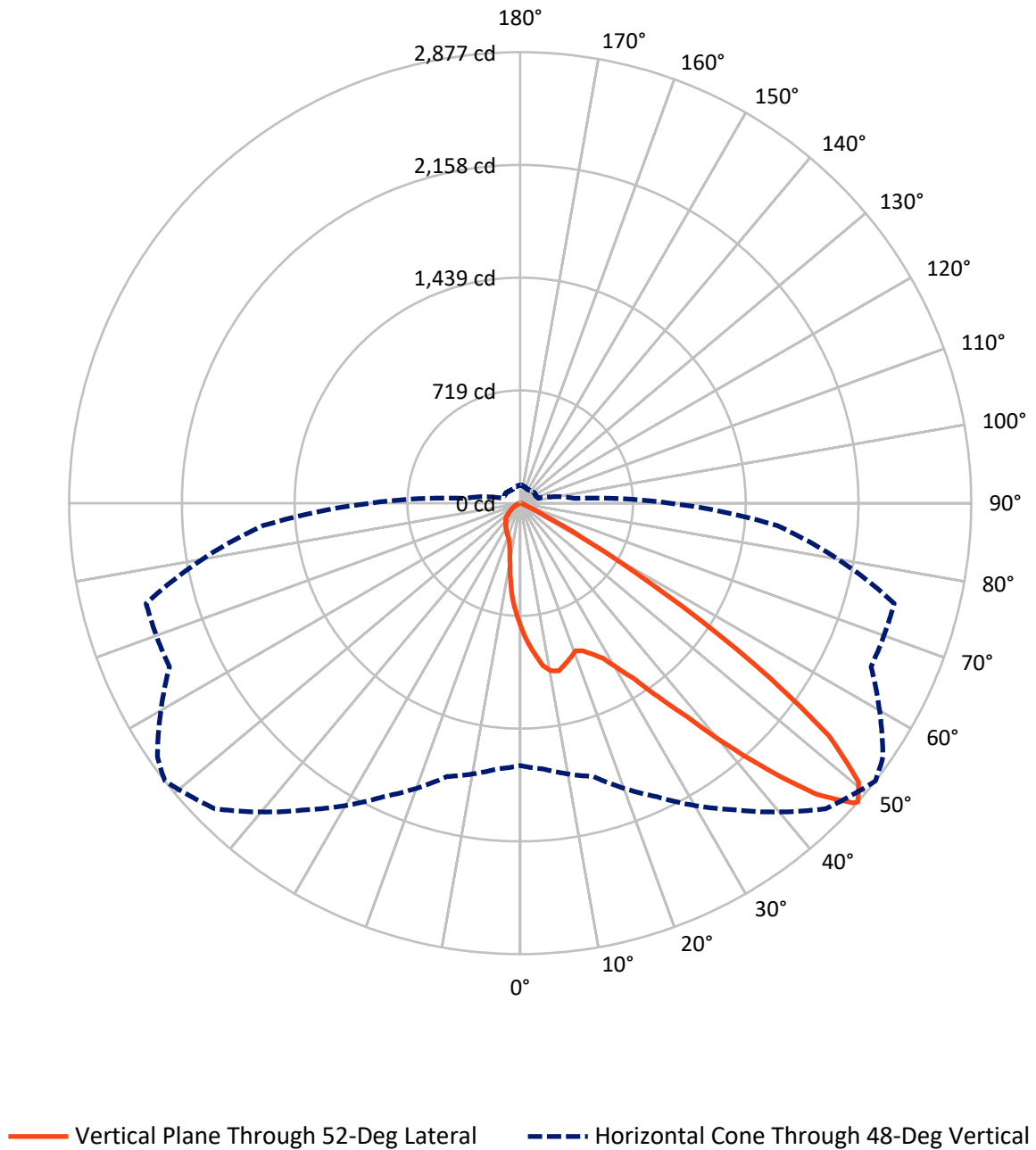


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

REPORT NUMBER: P526225

CATALOG NUMBER: GALN-SA1A-830-U-AFL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526225

CATALOG NUMBER: GALN-SA1A-830-U-AFL-GRSBK

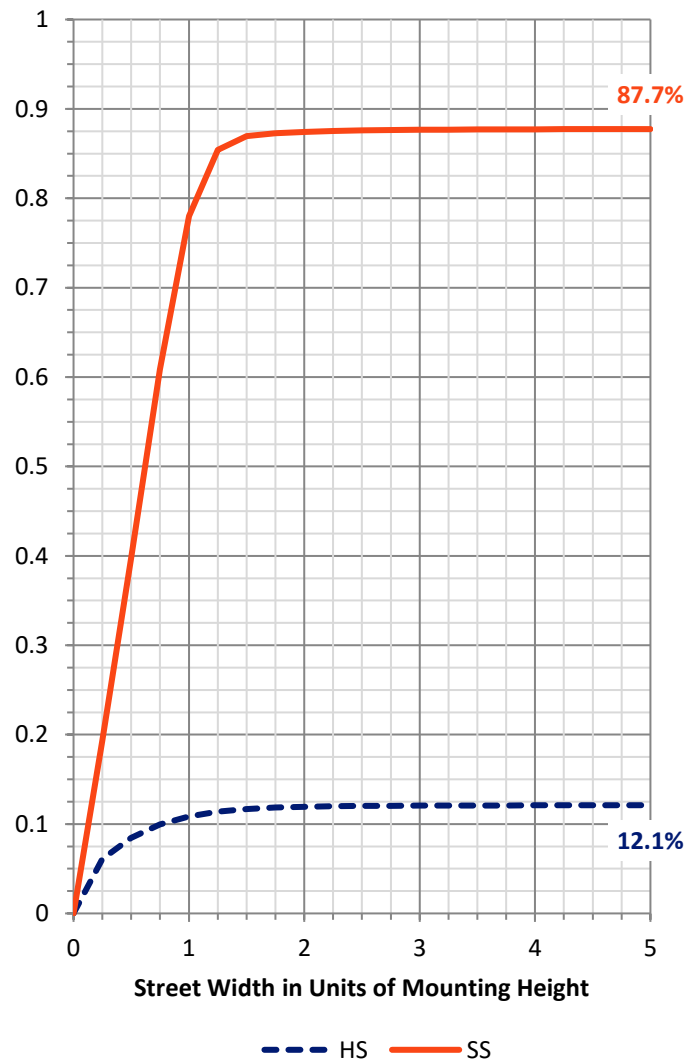
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	334.0	0.0	334.0
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	2409.0	0.0	2409.0
	% Fixture	87.8	0.0	87.8
Total	Lumens	2743.0	0.0	2743.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	2.6
10°-20°	189.5	6.9
20°-30°	323.5	11.8
30°-40°	595.7	21.7
40°-50°	925.2	33.7
50°-60°	556.8	20.3
60°-70°	64.4	2.3
70°-80°	12.5	0.5
80°-90°	2.9	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°	2743.0	100.0
0°-180°	2743.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526225

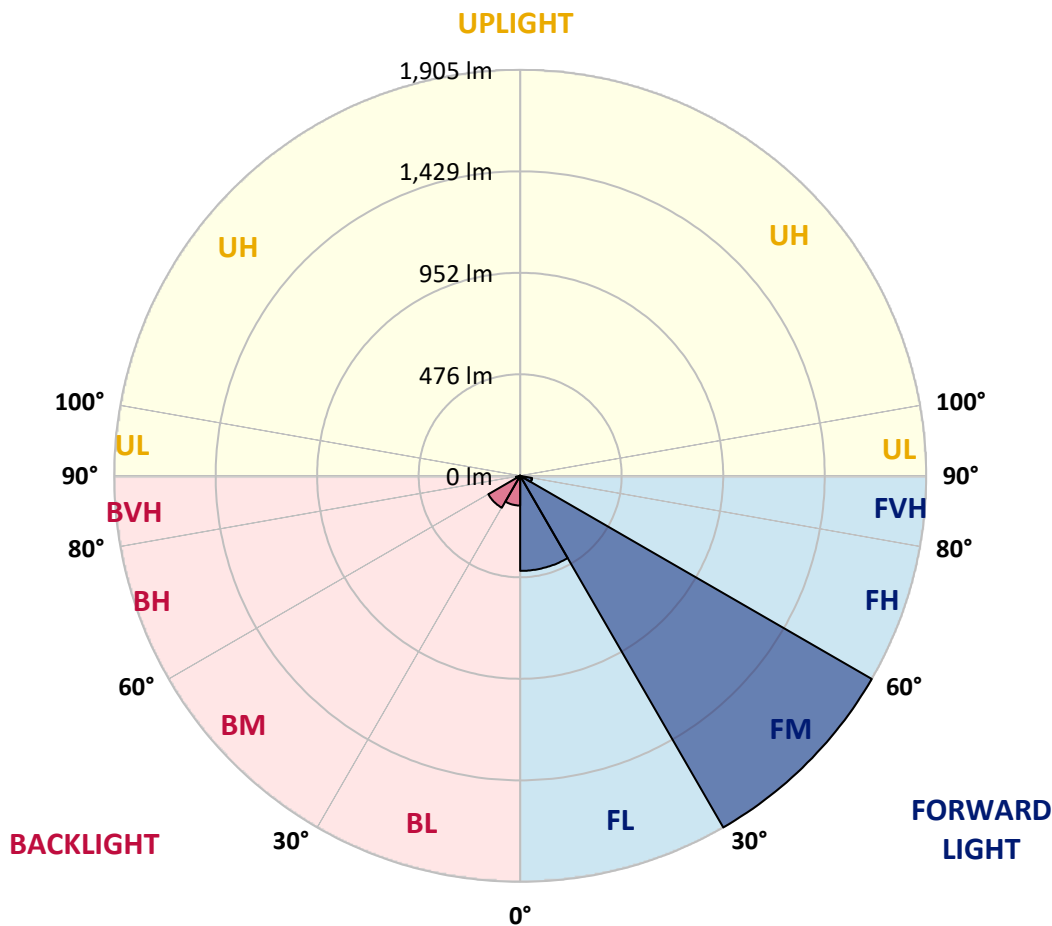
CATALOG NUMBER: GALN-SA1A-830-U-AFL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.0	16.3			
FM	(30°-60°)	1905.0	69.4			
FH	(60°-80°)	56.7	2.1			G0/660
FVH	(80°-90°)	1.4	0.1			G0/10
BL	(0°-30°)	139.5	5.1	B1/500		
BM	(30°-60°)	172.8	6.3	B0/220		
BH	(60°-80°)	20.2	0.7	B0/110		G0/110
BVH	(80°-90°)	1.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type II Short



REPORT NUMBER: P526225

CATALOG NUMBER: GALN-SA1A-830-U-AFL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1
2.5°	960.1	938.1	940.1	925.7	917.3	903.7	885.3	881.7	861.7	834.5	806.9
5°	1046.4	1041.2	1048.0	1027.3	1028.1	1005.7	962.5	963.3	917.3	872.9	830.1
7.5°	1052.0	1040.0	1046.8	1065.2	1076.0	1072.0	1047.6	1026.5	982.9	917.7	855.3
10°	942.1	964.9	972.1	1002.5	1045.6	1091.2	1088.4	1089.6	1053.2	968.1	876.9
12.5°	876.1	860.9	885.3	903.7	968.9	1057.2	1097.6	1106.4	1109.2	1016.9	898.5
15°	846.1	846.1	850.1	855.3	902.5	984.1	1066.4	1092.0	1152.4	1080.8	932.5
17.5°	864.9	864.1	869.7	858.9	876.5	939.3	1037.7	1066.8	1200.8	1143.6	959.3
20°	922.1	924.9	921.3	890.1	891.3	938.5	1005.7	1051.6	1233.6	1198.0	994.9
22.5°	1001.7	1003.3	982.9	948.9	938.9	962.1	1024.1	1059.2	1260.0	1263.2	1005.7
25°	1093.6	1087.2	1083.2	1035.3	1004.9	1024.9	1065.6	1086.0	1276.4	1319.2	1036.5
27.5°	1221.2	1208.4	1184.0	1141.2	1118.8	1090.4	1119.6	1153.2	1323.2	1397.5	1070.0
30°	1409.5	1398.3	1350.7	1295.6	1236.8	1208.8	1218.0	1236.4	1407.5	1488.3	1114.4
32.5°	1693.0	1669.4	1600.7	1495.5	1415.5	1338.3	1335.9	1355.5	1483.1	1613.9	1167.2
35°	2005.3	1998.1	1897.0	1788.6	1633.8	1514.7	1516.7	1527.1	1627.9	1778.6	1236.4
37.5°	2212.9	2252.4	2188.1	2071.7	1941.7	1771.4	1728.2	1731.8	1826.6	1973.7	1361.1
40°	2373.2	2339.6	2347.2	2320.0	2231.2	2115.3	2019.7	2000.9	2056.5	2189.7	1485.1
42.5°	2303.2	2304.8	2351.6	2416.0	2438.0	2429.6	2332.0	2296.4	2253.2	2366.4	1603.1
45°	2105.7	2146.9	2207.7	2378.0	2527.5	2667.9	2648.7	2589.5	2389.2	2506.4	1671.0
47.5°	1790.6	1789.0	1888.6	2110.1	2442.4	2771.1	2858.2	2816.7	2485.6	2490.8	1657.0
48°	1674.2	1703.0	1805.8	2066.5	2388.4	2755.9	2877.0	2824.6	2469.2	2470.0	1645.0
50°	1237.6	1232.4	1360.3	1680.2	2133.3	2589.5	2797.9	2838.6	2468.8	2364.8	1561.1
52.5°	653.8	676.2	769.3	1056.4	1508.3	2119.3	2468.0	2531.5	2381.6	2192.9	1440.3
55°	277.9	251.1	322.7	477.0	848.5	1415.9	1810.6	1952.1	2013.7	1940.5	1260.0
57.5°	99.2	108.4	124.8	179.5	356.7	774.9	1079.6	1189.6	1395.1	1423.9	858.5
60°	63.6	64.8	70.0	82.4	134.0	298.7	512.2	599.8	693.0	715.4	400.7
62.5°	49.2	49.6	52.0	54.0	63.6	116.0	192.3	227.9	236.7	203.5	105.2
65°	41.2	41.6	42.4	42.4	45.2	54.4	67.2	74.0	72.0	71.2	59.6
67.5°	31.6	32.4	34.0	34.0	35.6	33.2	37.2	39.6	44.8	54.4	50.8
70°	24.8	25.2	26.4	27.2	27.2	24.0	26.8	29.2	32.8	40.4	40.0
72.5°	19.2	20.0	20.8	20.8	19.6	16.4	19.2	21.2	23.6	28.0	27.2
75°	14.8	14.8	15.2	12.4	9.6	8.4	11.6	14.0	17.6	18.4	15.2
77.5°	4.0	4.4	4.0	3.6	4.0	6.0	7.6	8.8	11.2	11.2	10.0
80°	0.0	0.4	1.2	2.4	4.0	5.6	6.8	7.6	8.8	9.6	9.2
82.5°	0.0	0.4	1.2	2.4	3.6	4.4	6.0	6.4	7.2	8.4	8.4
85°	0.0	0.4	0.8	1.6	2.4	2.8	2.8	2.4	2.4	2.0	1.6
87.5°	0.0	0.0	0.4	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2
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: P526225

CATALOG NUMBER: GALN-SA1A-830-U-AFL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1
2.5°	796.1	783.7	764.9	735.4	707.0	688.6	671.0	651.4	640.6	639.8	633.8
5°	805.7	777.7	733.0	682.2	627.8	581.0	533.8	503.0	475.4	460.2	457.4
7.5°	810.9	774.5	702.2	617.0	524.2	447.8	395.1	356.3	341.1	329.9	329.5
10°	821.7	768.9	656.2	530.6	415.9	338.7	302.3	284.7	276.3	273.1	268.3
12.5°	829.7	758.5	609.0	441.9	328.7	280.7	264.7	260.7	261.1	262.7	260.7
15°	840.9	749.3	545.4	362.7	275.9	252.7	252.7	253.5	259.1	259.9	259.5
17.5°	840.1	731.4	479.8	298.7	243.9	240.7	241.9	249.5	253.1	254.3	251.5
20°	849.7	714.6	412.3	255.1	225.9	230.7	238.7	240.7	245.1	245.9	242.7
22.5°	846.9	672.6	349.5	220.7	212.3	221.5	229.5	231.9	230.7	228.3	227.9
25°	841.7	636.6	291.9	197.9	202.3	212.3	219.9	215.5	213.1	213.5	213.9
27.5°	832.5	591.0	244.3	181.9	188.7	203.5	203.1	201.5	203.9	201.9	203.9
30°	830.9	545.4	205.1	167.5	178.7	189.5	190.3	193.1	195.9	192.3	195.9
32.5°	833.3	495.4	177.1	158.7	172.7	173.1	181.9	184.7	182.7	174.7	175.5
35°	851.7	457.0	156.7	153.9	163.1	163.5	171.9	168.3	159.5	154.7	157.5
37.5°	890.5	425.1	147.2	149.5	150.3	155.5	155.9	148.7	149.5	149.1	150.7
40°	940.1	400.7	140.4	145.6	144.8	148.3	134.0	138.0	141.6	142.8	143.6
42.5°	974.1	383.1	136.0	139.2	137.6	131.2	123.2	127.2	130.0	134.4	135.2
45°	989.3	369.1	130.8	128.0	128.0	116.4	113.2	114.0	120.4	125.2	124.4
47.5°	964.5	355.5	121.6	113.2	116.0	106.4	102.8	102.8	109.6	115.6	114.4
48°	954.9	349.9	122.0	110.0	112.0	104.8	101.2	100.4	108.0	113.6	113.6
50°	907.3	329.1	111.6	101.2	97.2	96.4	94.0	94.8	99.6	104.8	104.8
52.5°	814.5	284.3	94.4	86.8	79.6	84.4	85.6	84.0	86.4	91.2	90.8
55°	679.8	218.3	75.6	72.0	66.4	71.6	74.0	72.0	69.6	73.2	73.2
57.5°	435.5	117.6	60.4	61.2	55.6	60.8	62.8	58.0	53.6	56.4	56.0
60°	196.3	70.4	49.6	48.4	44.8	50.8	54.0	48.4	42.4	44.4	46.4
62.5°	73.6	50.0	37.6	36.8	36.0	41.6	43.2	38.8	32.8	34.0	34.4
65°	54.0	44.0	30.0	27.2	28.8	32.8	32.0	27.6	23.6	23.6	24.4
67.5°	46.0	38.4	24.4	21.2	21.2	21.6	20.0	17.6	16.4	17.2	18.0
70°	36.0	30.4	19.2	16.4	14.8	13.2	11.6	11.2	10.0	11.2	10.8
72.5°	23.2	20.4	14.8	12.4	11.2	9.2	7.6	7.2	6.0	5.6	5.6
75°	12.4	12.4	11.6	10.0	8.8	7.2	6.0	4.8	3.2	2.4	2.4
77.5°	8.8	9.6	10.4	9.6	8.0	6.0	4.8	3.2	1.6	0.8	0.8
80°	8.4	9.6	10.4	9.2	8.0	6.0	4.4	2.4	1.2	0.4	0.4
82.5°	7.6	8.8	9.6	8.4	7.2	5.2	4.0	2.4	1.2	0.4	0.4
85°	1.6	2.0	2.4	2.4	2.8	3.6	2.8	2.0	0.8	0.4	0.4
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.4
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)