

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: P526693

Luminaire Tested: **GALN-SA1C-830-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526693
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-SA1C-830-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 4217 lumens
Efficiency: N/A
Efficacy: 74.0 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): 57
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



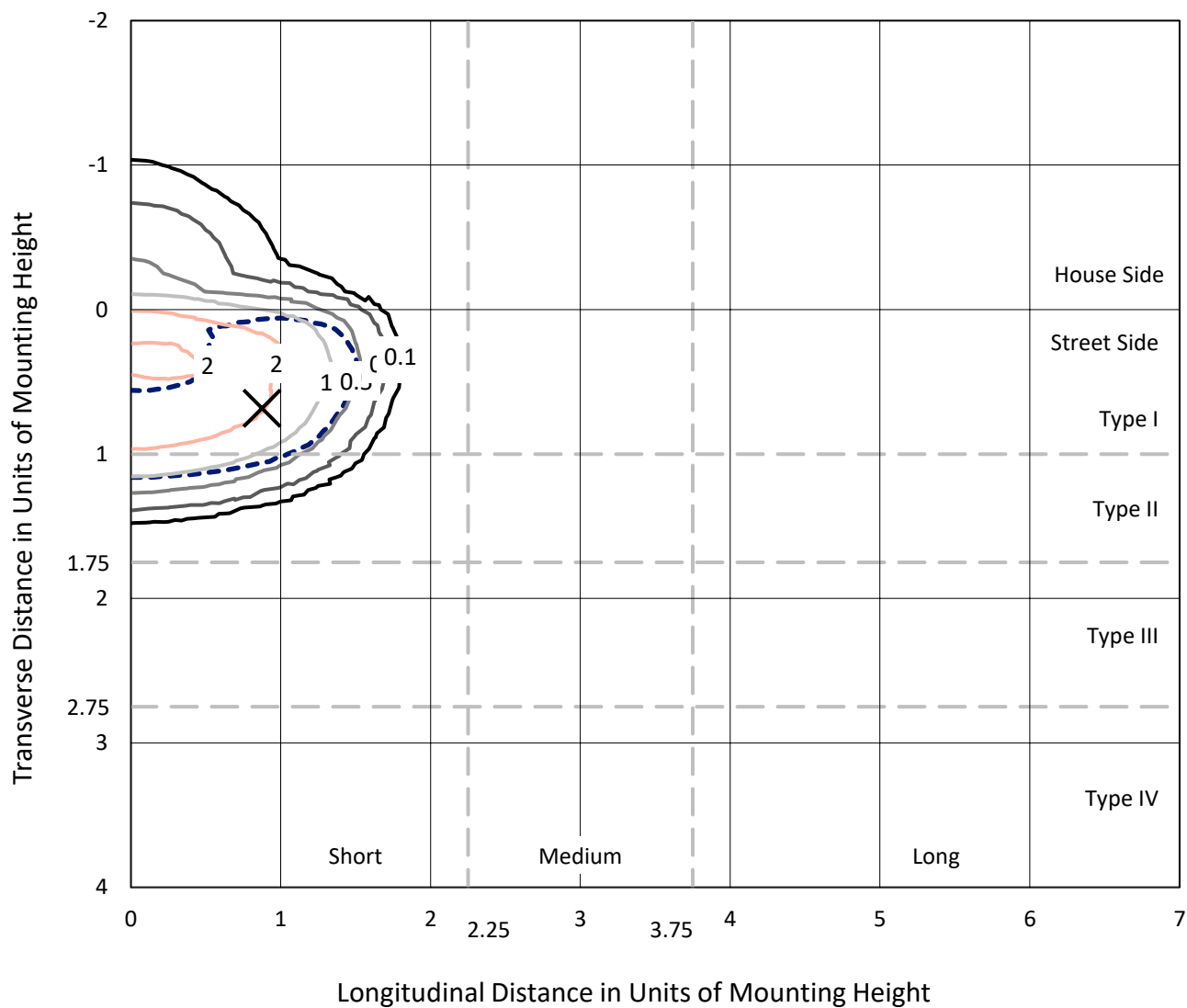
REPORT NUMBER: P526693

CATALOG NUMBER: GALN-SA1C-830-U-AFL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

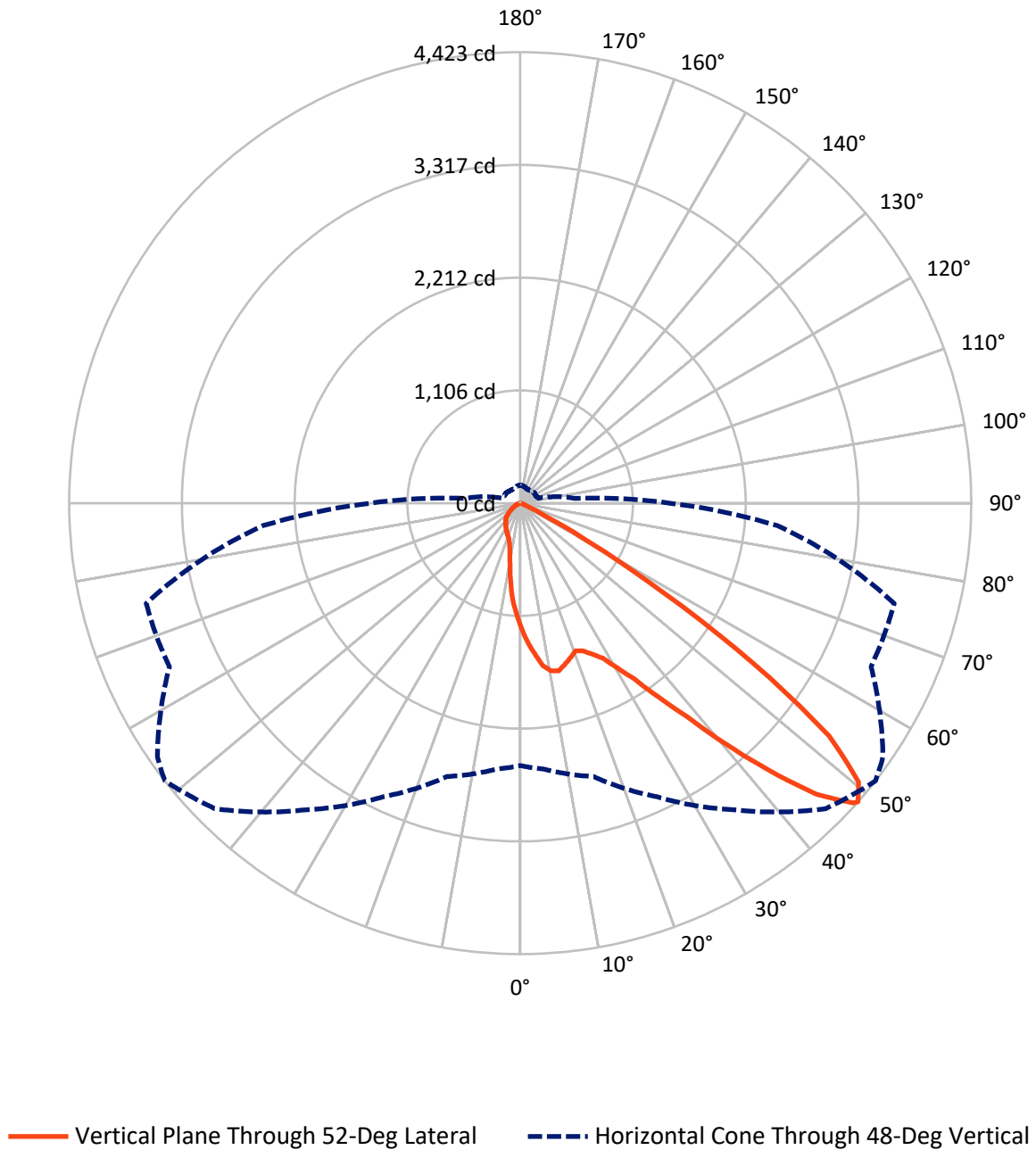


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

REPORT NUMBER: P526693

CATALOG NUMBER: GALN-SA1C-830-U-AFL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526693

CATALOG NUMBER: GALN-SA1C-830-U-AFL-GRSBK

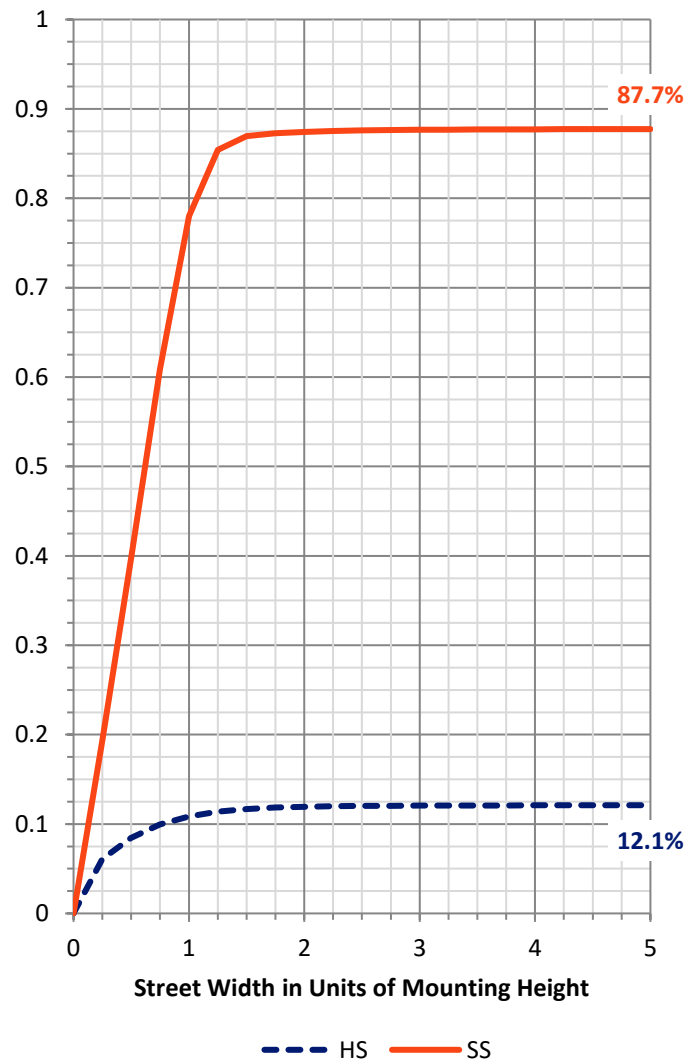
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	513.5	0.0	513.5
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	3703.5	0.0	3703.5
	% Fixture	87.8	0.0	87.8
Total	Lumens	4217.0	0.0	4217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	2.6
10°-20°	291.3	6.9
20°-30°	497.4	11.8
30°-40°	915.9	21.7
40°-50°	1422.4	33.7
50°-60°	856.0	20.3
60°-70°	99.0	2.3
70°-80°	19.2	0.5
80°-90°	4.4	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°	4217.0	100.0
0°-180°	4217.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526693

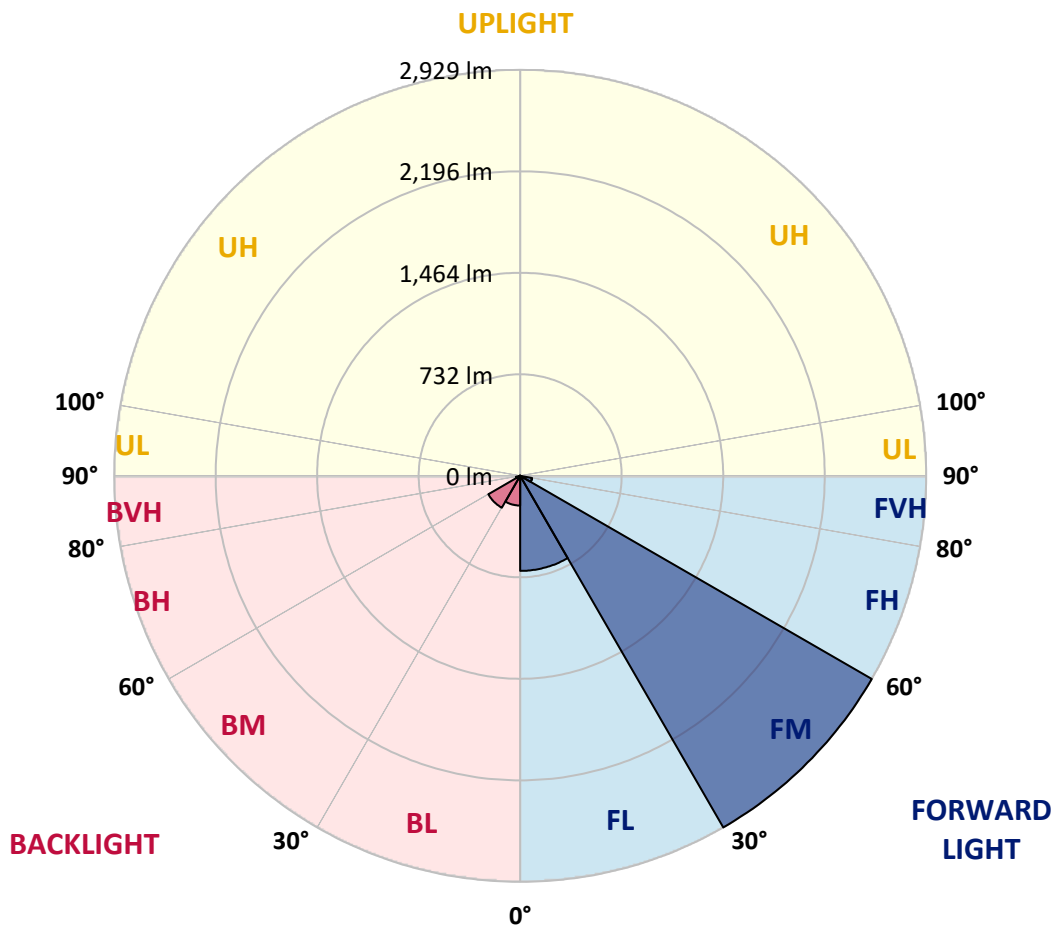
CATALOG NUMBER: GALN-SA1C-830-U-AFL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	685.6	16.3			
FM	(30°-60°)	2928.6	69.4			
FH	(60°-80°)	87.2	2.1			G0/660
FVH	(80°-90°)	2.1	0.0			G0/10
BL	(0°-30°)	214.5	5.1	B1/500		
BM	(30°-60°)	265.7	6.3	B1/1000		
BH	(60°-80°)	31.0	0.7	B0/110		G0/110
BVH	(80°-90°)	2.3	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: P526693

CATALOG NUMBER: GALN-SA1C-830-U-AFL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1476.0	1442.2	1445.3	1423.1	1410.2	1389.3	1361.0	1355.5	1324.8	1283.0	1240.5
5°	1608.8	1600.8	1611.2	1579.3	1580.5	1546.1	1479.7	1480.9	1410.2	1342.0	1276.2
7.5°	1617.4	1598.9	1609.4	1637.7	1654.3	1648.1	1610.6	1578.0	1511.0	1410.8	1314.9
10°	1448.3	1483.4	1494.4	1541.2	1607.5	1677.6	1673.3	1675.2	1619.2	1488.3	1348.1
12.5°	1346.9	1323.5	1361.0	1389.3	1489.5	1625.4	1687.5	1701.0	1705.3	1563.3	1381.3
15°	1300.8	1300.8	1306.9	1314.9	1387.5	1512.9	1639.5	1678.9	1771.7	1661.6	1433.6
17.5°	1329.7	1328.5	1337.1	1320.5	1347.5	1444.0	1595.2	1640.1	1846.1	1758.2	1474.8
20°	1417.6	1421.9	1416.4	1368.4	1370.3	1442.8	1546.1	1616.8	1896.5	1841.8	1529.5
22.5°	1539.9	1542.4	1511.0	1458.8	1443.4	1479.1	1574.3	1628.4	1937.0	1942.0	1546.1
25°	1681.3	1671.5	1665.3	1591.6	1544.8	1575.6	1638.3	1669.6	1962.2	2028.0	1593.4
27.5°	1877.4	1857.7	1820.2	1754.5	1720.0	1676.4	1721.3	1772.9	2034.2	2148.5	1645.0
30°	2167.0	2149.7	2076.6	1991.8	1901.4	1858.4	1872.5	1900.8	2163.9	2288.1	1713.3
32.5°	2602.8	2566.5	2460.8	2299.1	2176.2	2057.5	2053.8	2084.0	2280.1	2481.1	1794.4
35°	3082.9	3071.9	2916.3	2749.7	2511.8	2328.6	2331.7	2347.7	2502.6	2734.4	1900.8
37.5°	3402.0	3462.8	3363.9	3185.0	2985.2	2723.3	2656.9	2662.4	2808.1	3034.4	2092.6
40°	3648.5	3596.8	3608.5	3566.7	3430.2	3252.0	3105.1	3076.2	3161.6	3366.3	2283.1
42.5°	3540.9	3543.4	3615.3	3714.3	3748.1	3735.2	3585.2	3530.5	3464.1	3638.0	2464.5
45°	3237.2	3300.5	3394.0	3655.9	3885.8	4101.5	4072.0	3981.1	3673.1	3853.2	2569.0
47.5°	2752.8	2750.3	2903.4	3244.0	3754.8	4260.1	4394.2	4330.2	3821.2	3829.2	2547.5
48°	2573.9	2618.2	2776.2	3177.0	3671.8	4236.8	4423.1	4342.5	3796.0	3797.2	2529.0
50°	1902.6	1894.6	2091.3	2583.1	3279.6	3981.1	4301.3	4364.0	3795.4	3635.6	2399.9
52.5°	1005.1	1039.5	1182.8	1624.1	2318.8	3258.1	3794.2	3891.9	3661.4	3371.2	2214.3
55°	427.2	386.1	496.1	733.4	1304.5	2176.8	2783.5	3001.2	3095.8	2983.3	1937.0
57.5°	152.5	166.6	191.8	276.0	548.3	1191.4	1659.8	1828.9	2144.8	2189.1	1319.8
60°	97.7	99.6	107.6	126.6	205.9	459.2	787.5	922.1	1065.3	1099.8	616.0
62.5°	75.6	76.2	79.9	83.0	97.7	178.3	295.7	350.4	363.9	312.9	161.7
65°	63.3	63.9	65.2	65.2	69.5	83.6	103.3	113.7	110.7	109.4	91.6
67.5°	48.6	49.8	52.3	52.3	54.7	51.0	57.2	60.9	68.9	83.6	78.1
70°	38.1	38.7	40.6	41.8	41.8	36.9	41.2	44.9	50.4	62.1	61.5
72.5°	29.5	30.7	32.0	32.0	30.1	25.2	29.5	32.6	36.3	43.0	41.8
75°	22.7	22.7	23.4	19.1	14.8	12.9	17.8	21.5	27.0	28.3	23.4
77.5°	6.1	6.8	6.1	5.5	6.1	9.2	11.7	13.5	17.2	17.2	15.4
80°	0.0	0.6	1.8	3.7	6.1	8.6	10.5	11.7	13.5	14.8	14.1
82.5°	0.0	0.6	1.8	3.7	5.5	6.8	9.2	9.8	11.1	12.9	12.9
85°	0.0	0.6	1.2	2.5	3.7	4.3	4.3	3.7	3.7	3.1	2.5
87.5°	0.0	0.0	0.6	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8
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: P526693

CATALOG NUMBER: GALN-SA1C-830-U-AFL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1223.9	1204.9	1176.0	1130.5	1086.9	1058.6	1031.5	1001.4	984.8	983.6	974.4
5°	1238.7	1195.7	1126.8	1048.7	965.1	893.2	820.7	773.3	730.9	707.6	703.3
7.5°	1246.7	1190.8	1079.5	948.5	805.9	688.5	607.4	547.7	524.4	507.2	506.5
10°	1263.3	1182.1	1008.8	815.8	639.3	520.7	464.7	437.7	424.8	419.9	412.5
12.5°	1275.6	1166.2	936.2	679.3	505.3	431.5	407.0	400.8	401.4	403.9	400.8
15°	1292.8	1152.0	838.5	557.6	424.2	388.5	388.5	389.7	398.4	399.6	399.0
17.5°	1291.6	1124.4	737.7	459.2	375.0	370.1	371.9	383.6	389.1	391.0	386.7
20°	1306.3	1098.5	633.8	392.2	347.3	354.7	367.0	370.1	376.8	378.1	373.1
22.5°	1302.0	1034.0	537.3	339.3	326.4	340.6	352.9	356.5	354.7	351.0	350.4
25°	1294.0	978.7	448.8	304.3	311.1	326.4	338.1	331.3	327.7	328.3	328.9
27.5°	1279.9	908.6	375.6	279.7	290.2	312.9	312.3	309.8	313.5	310.4	313.5
30°	1277.4	838.5	315.4	257.6	274.8	291.4	292.6	296.9	301.2	295.7	301.2
32.5°	1281.1	761.7	272.3	244.1	265.6	266.2	279.7	284.0	280.9	268.6	269.9
35°	1309.4	702.6	241.0	236.7	250.8	251.4	264.3	258.8	245.3	237.9	242.2
37.5°	1369.0	653.5	226.2	229.9	231.1	239.1	239.7	228.7	229.9	229.3	231.8
40°	1445.3	616.0	215.8	223.8	222.5	228.1	205.9	212.1	217.6	219.5	220.7
42.5°	1497.5	588.9	209.0	213.9	211.5	201.6	189.3	195.5	199.8	206.6	207.8
45°	1520.9	567.4	201.0	196.7	196.7	178.9	174.0	175.2	185.0	192.4	191.2
47.5°	1482.8	546.5	186.9	174.0	178.3	163.5	158.0	158.0	168.4	177.7	175.8
48°	1468.0	537.9	187.5	169.1	172.1	161.1	155.5	154.3	166.0	174.6	174.6
50°	1394.8	505.9	171.5	155.5	149.4	148.2	144.5	145.7	153.1	161.1	161.1
52.5°	1252.2	437.1	145.1	133.4	122.3	129.7	131.6	129.1	132.8	140.2	139.5
55°	1045.1	335.6	116.2	110.7	102.0	110.0	113.7	110.7	107.0	112.5	112.5
57.5°	669.5	180.7	92.8	94.1	85.4	93.4	96.5	89.1	82.4	86.7	86.1
60°	301.8	108.2	76.2	74.4	68.9	78.1	83.0	74.4	65.2	68.2	71.3
62.5°	113.1	76.8	57.8	56.6	55.3	63.9	66.4	59.6	50.4	52.3	52.9
65°	83.0	67.6	46.1	41.8	44.3	50.4	49.2	42.4	36.3	36.3	37.5
67.5°	70.7	59.0	37.5	32.6	32.6	33.2	30.7	27.0	25.2	26.4	27.7
70°	55.3	46.7	29.5	25.2	22.7	20.3	17.8	17.2	15.4	17.2	16.6
72.5°	35.7	31.4	22.7	19.1	17.2	14.1	11.7	11.1	9.2	8.6	8.6
75°	19.1	19.1	17.8	15.4	13.5	11.1	9.2	7.4	4.9	3.7	3.7
77.5°	13.5	14.8	16.0	14.8	12.3	9.2	7.4	4.9	2.5	1.2	1.2
80°	12.9	14.8	16.0	14.1	12.3	9.2	6.8	3.7	1.8	0.6	0.6
82.5°	11.7	13.5	14.8	12.9	11.1	8.0	6.1	3.7	1.8	0.6	0.6
85°	2.5	3.1	3.7	3.7	4.3	5.5	4.3	3.1	1.2	0.6	0.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.6
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)