

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: P526465

Luminaire Tested: **GALN-SA1B-830-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2676 lumens
Efficiency: N/A
Efficacy: 60.8 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): 44
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



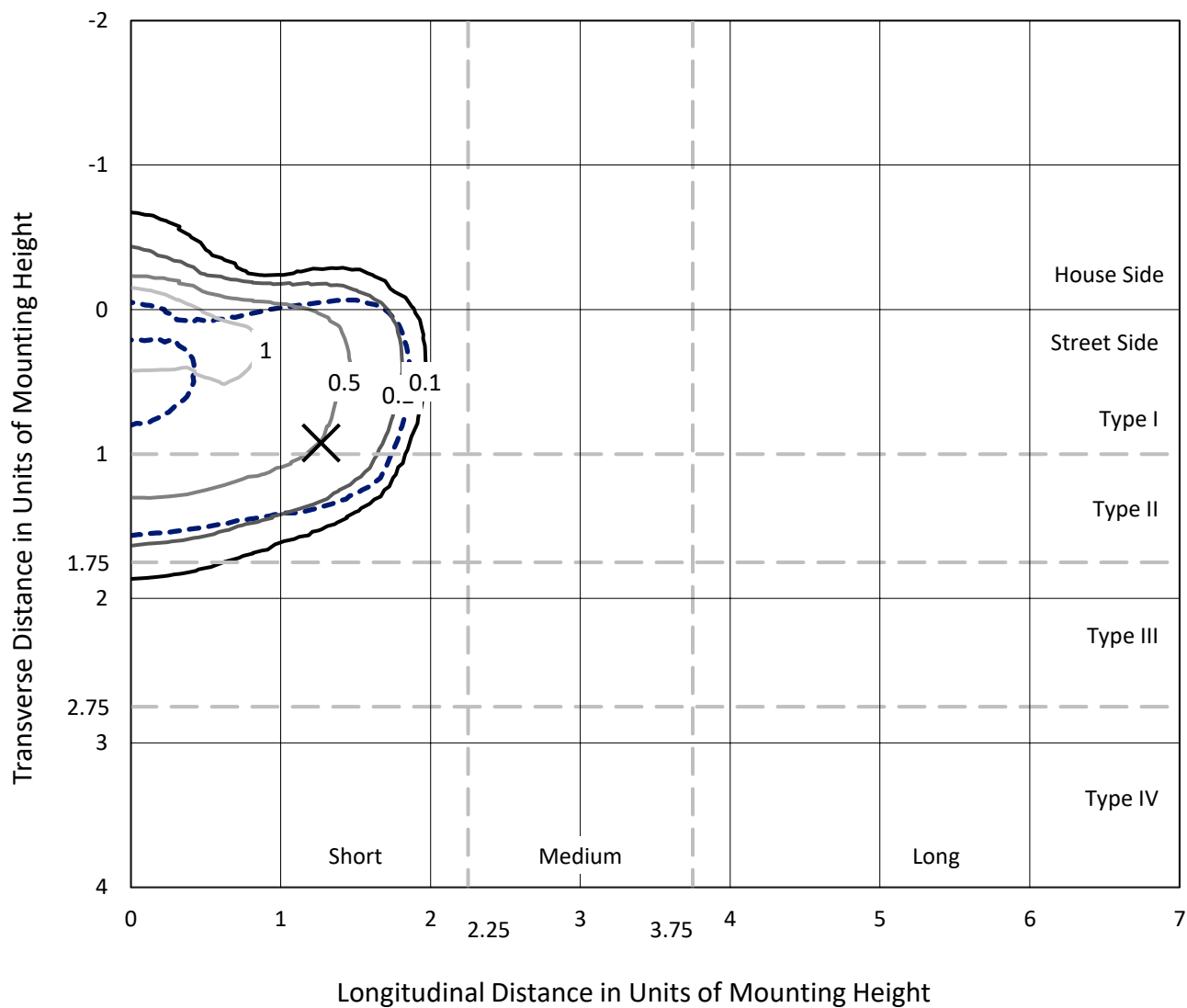
REPORT NUMBER: P526465

CATALOG NUMBER: GALN-SA1B-830-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

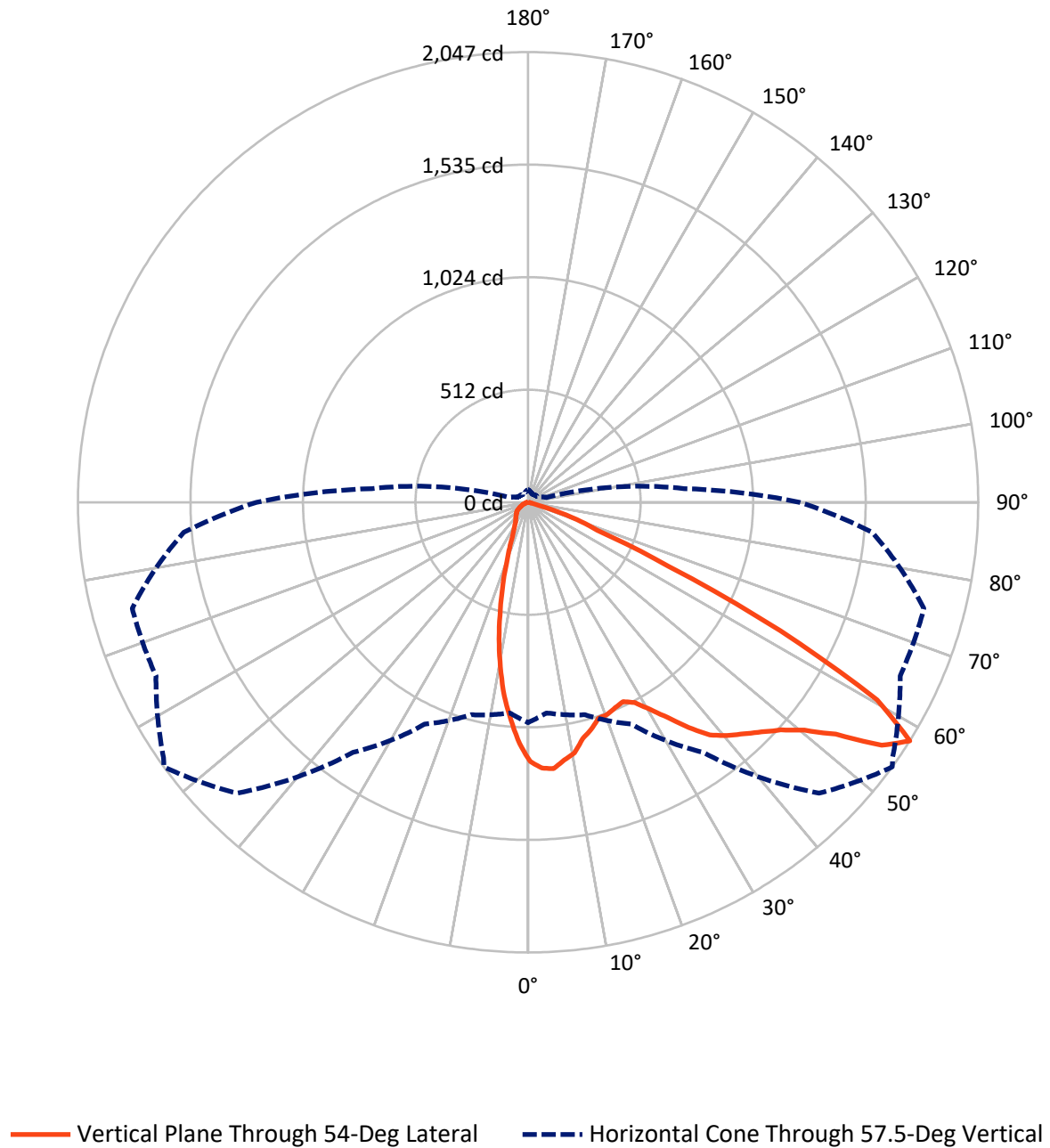
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

REPORT NUMBER: P526465
CATALOG NUMBER: GALN-SA1B-830-U-SL3-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526465

CATALOG NUMBER: GALN-SA1B-830-U-SL3-GRSBK

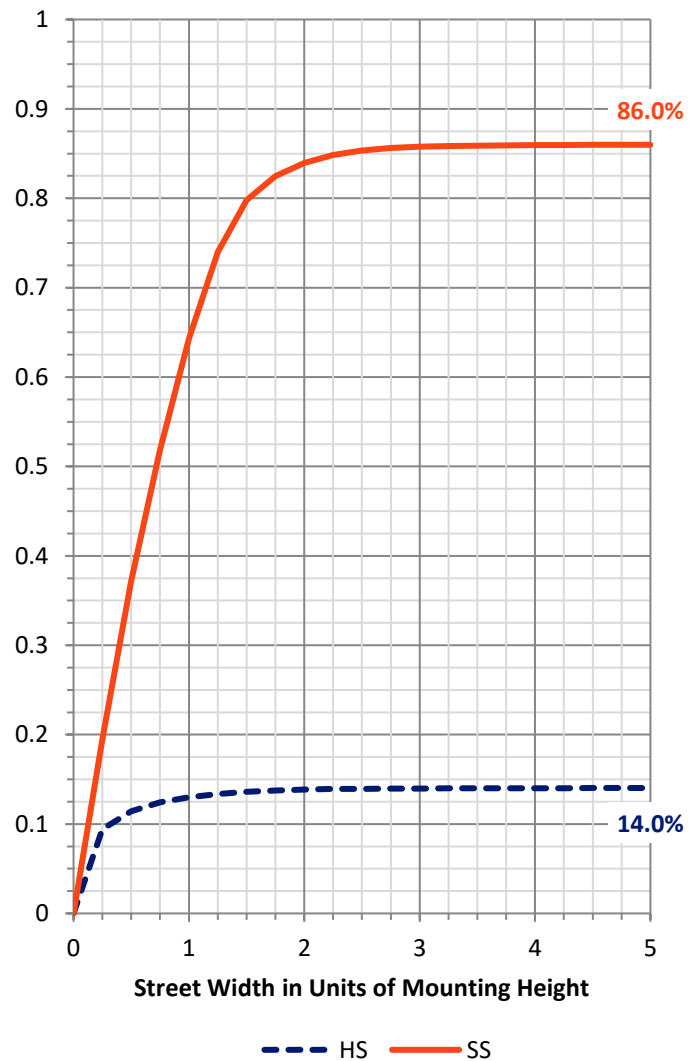
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.2	0.0	378.2
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	2297.8	0.0	2297.8
	% Fixture	85.9	0.0	85.9
Total	Lumens	2676.0	0.0	2676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	3.7
10°-20°	210.6	7.9
20°-30°	279.1	10.4
30°-40°	405.6	15.2
40°-50°	601.5	22.5
50°-60°	752.1	28.1
60°-70°	296.7	11.1
70°-80°	29.6	1.1
80°-90°	2.3	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°	2676.0	100.0
0°-180°	2676.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526465

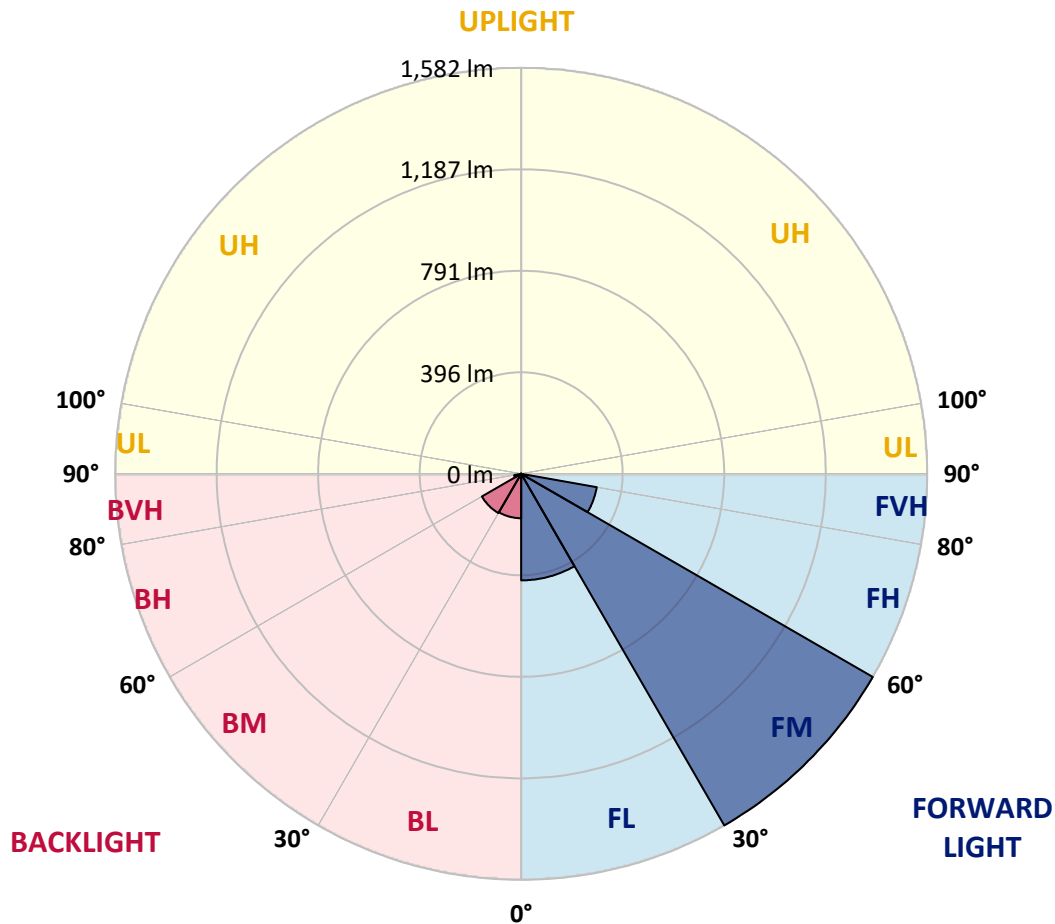
CATALOG NUMBER: GALN-SA1B-830-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	415.4	15.5			
FM	(30°-60°)	1582.3	59.1			
FH	(60°-80°)	299.1	11.2			G0/660
FVH	(80°-90°)	1.0	0.0			G0/10
BL	(0°-30°)	173.0	6.5	B1/500		
BM	(30°-60°)	176.8	6.6	B0/220		
BH	(60°-80°)	27.1	1.0	B0/110		G0/110
BVH	(80°-90°)	1.3	0.0			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: P526465

CATALOG NUMBER: GALN-SA1B-830-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8
2.5°	1247.5	1234.5	1235.5	1231.1	1225.1	1229.6	1210.2	1214.6	1214.1	1187.8	1170.4
5°	1216.1	1230.1	1215.6	1227.6	1216.1	1228.6	1216.6	1207.7	1193.2	1173.8	1141.5
7.5°	1162.9	1149.5	1153.4	1168.4	1170.9	1198.7	1183.8	1195.2	1189.3	1150.9	1106.7
10°	1055.9	1052.9	1072.8	1092.7	1117.1	1147.0	1158.4	1151.9	1147.5	1133.0	1073.8
12.5°	973.8	982.3	981.8	1014.6	1055.9	1072.8	1102.7	1101.7	1126.6	1099.7	1043.0
15°	895.7	900.2	921.1	941.5	987.2	1035.5	1072.3	1077.3	1107.2	1088.3	1019.1
17.5°	847.9	841.4	857.9	882.2	929.0	992.2	1033.0	1045.0	1085.8	1081.8	991.7
20°	800.6	800.6	814.1	842.9	885.7	956.9	1029.5	1026.1	1085.8	1074.3	962.4
22.5°	784.7	792.7	796.2	818.1	868.8	930.0	1014.6	1021.1	1094.2	1070.8	949.4
25°	806.6	796.2	797.2	814.6	862.3	917.1	1003.7	1018.1	1109.6	1088.3	939.0
27.5°	810.1	820.5	823.5	835.5	867.3	921.1	1031.0	1060.4	1148.0	1129.1	942.0
30°	840.4	850.9	850.4	870.8	892.7	953.4	1092.2	1098.2	1227.1	1180.3	960.4
32.5°	877.3	888.2	891.7	915.6	933.0	1012.6	1166.9	1182.3	1303.2	1260.9	1008.6
35°	923.0	919.1	935.0	958.9	996.2	1099.2	1257.9	1283.8	1385.3	1365.4	1058.4
37.5°	980.3	975.3	990.7	1029.5	1080.3	1201.7	1342.0	1358.9	1445.0	1462.4	1150.5
40°	1020.6	1022.6	1069.3	1121.6	1175.3	1299.2	1395.3	1411.7	1486.8	1553.0	1220.1
42.5°	1087.8	1100.2	1156.4	1220.1	1276.3	1372.4	1438.6	1454.5	1506.2	1625.7	1314.2
45°	1185.3	1179.8	1242.0	1313.2	1375.4	1448.5	1489.8	1484.3	1517.7	1697.8	1373.4
47.5°	1310.7	1311.7	1353.0	1413.7	1478.4	1514.7	1547.0	1527.6	1541.6	1773.9	1452.5
50°	1396.3	1403.7	1437.1	1499.3	1531.6	1587.3	1628.6	1616.7	1612.2	1819.7	1502.3
52.5°	1418.2	1440.6	1458.5	1536.1	1611.7	1699.8	1752.5	1777.9	1698.3	1835.1	1565.4
55°	1253.0	1272.9	1336.1	1442.5	1642.1	1877.9	1950.6	1951.1	1810.8	1903.8	1609.7
57.5°	1001.7	961.4	1000.2	1113.1	1388.3	1870.5	2047.1	2023.7	1867.0	1863.5	1571.4
60°	692.7	682.7	685.2	730.0	960.9	1487.8	1824.2	1854.6	1719.2	1615.2	1244.0
62.5°	548.9	540.4	529.4	524.5	596.6	927.0	1286.8	1329.6	1202.2	1047.4	737.4
65°	429.9	425.0	426.4	446.3	445.8	526.0	703.6	686.2	549.4	406.0	231.9
67.5°	290.1	297.6	303.5	363.7	394.6	366.2	339.9	329.9	178.6	75.1	51.3
70°	163.2	164.2	170.7	227.4	299.6	284.1	234.4	234.4	89.1	27.4	29.4
72.5°	89.1	86.1	80.1	98.0	133.4	135.3	104.5	91.1	26.4	17.9	16.4
75°	43.3	42.8	36.8	30.4	28.9	23.9	18.4	16.9	11.9	11.4	10.0
77.5°	9.0	8.5	4.5	4.5	5.0	5.5	7.0	7.0	8.5	8.5	7.0
80°	0.0	0.0	0.5	2.0	3.5	5.0	6.0	6.0	7.0	7.0	5.5
82.5°	0.0	0.0	0.5	1.5	3.0	4.5	5.5	6.0	7.0	7.5	6.0
85°	0.0	0.0	0.0	1.0	2.5	3.5	3.0	3.0	2.5	2.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P526465

CATALOG NUMBER: GALN-SA1B-830-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8
2.5°	1161.4	1160.4	1137.5	1124.6	1101.2	1080.8	1064.4	1052.4	1052.4	1045.0	1038.0
5°	1128.6	1120.1	1071.3	1040.0	995.7	962.9	940.5	923.0	895.7	903.1	873.8
7.5°	1087.8	1066.4	1001.7	953.9	892.7	845.9	798.2	755.9	715.1	696.6	706.6
10°	1044.0	1006.6	919.6	843.9	767.8	682.2	626.5	558.8	517.0	514.5	503.6
12.5°	997.7	955.4	849.4	744.9	644.9	541.9	456.8	393.6	365.2	333.9	339.9
15°	962.9	900.2	771.3	645.4	512.5	408.5	322.9	274.2	247.3	239.8	237.4
17.5°	925.0	857.9	691.7	539.4	402.1	294.1	232.4	209.0	198.5	198.5	197.0
20°	885.7	810.1	612.5	440.9	301.5	219.4	186.1	178.6	178.1	177.6	177.6
22.5°	859.9	755.4	540.9	350.3	227.4	175.7	161.7	158.7	160.7	166.7	166.7
25°	832.5	702.6	461.8	270.2	176.2	150.8	142.8	144.8	149.8	155.3	153.3
27.5°	804.6	668.3	387.1	212.0	144.3	131.9	128.9	133.4	138.8	143.8	142.3
30°	798.2	631.5	316.5	160.7	123.9	114.9	116.9	120.9	126.4	128.4	130.4
32.5°	808.1	602.6	259.2	131.9	108.0	105.5	105.5	107.5	111.0	115.4	114.0
35°	836.5	586.2	205.0	114.4	99.0	96.5	96.0	98.0	100.0	101.5	100.0
37.5°	879.8	573.2	167.7	101.5	93.1	89.1	88.1	87.6	89.6	90.1	91.1
40°	935.0	580.2	142.3	93.5	87.1	82.6	79.6	79.6	79.6	81.1	81.6
42.5°	994.7	589.7	122.9	89.1	81.6	76.1	73.1	72.2	73.1	75.1	74.6
45°	1057.4	608.1	110.5	82.1	76.6	69.7	65.7	64.7	67.2	71.2	70.7
47.5°	1116.1	634.4	101.0	77.6	71.7	65.2	60.2	59.2	63.7	69.2	69.7
50°	1174.8	680.2	97.5	74.1	68.2	60.7	56.2	55.2	60.2	67.2	68.7
52.5°	1242.5	729.5	95.0	69.7	64.2	57.2	52.2	51.3	56.7	65.7	66.2
55°	1286.8	771.3	93.1	61.7	56.7	51.8	47.8	47.3	53.2	61.2	63.2
57.5°	1235.0	713.1	86.1	53.7	48.3	45.8	42.3	42.3	47.3	54.7	56.2
60°	936.5	469.2	61.2	43.3	40.8	39.3	37.8	37.8	41.8	47.3	47.8
62.5°	548.4	252.8	39.3	34.8	34.8	33.3	30.9	30.9	34.8	37.8	38.3
65°	162.7	81.1	31.8	29.9	29.4	26.9	24.4	23.9	26.9	28.4	27.9
67.5°	46.8	37.3	26.4	24.9	24.4	20.4	18.9	18.4	18.9	17.9	17.4
70°	27.9	25.4	20.4	20.9	18.4	14.9	13.4	12.9	11.9	10.4	9.5
72.5°	15.4	15.4	14.9	15.9	12.9	10.0	8.5	7.0	5.5	4.5	4.0
75°	9.5	10.0	10.4	10.9	8.5	6.5	5.5	3.5	2.0	1.0	1.0
77.5°	6.5	7.0	7.5	8.0	7.0	6.0	4.5	2.5	0.5	0.0	0.0
80°	5.0	5.5	6.5	7.0	7.5	8.0	6.0	2.5	0.5	0.0	0.0
82.5°	5.5	6.0	7.5	7.0	7.0	7.0	5.5	2.5	0.5	0.0	0.0
85°	1.0	1.5	2.5	2.5	3.5	4.5	3.5	1.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)