

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: P200620

Luminaire Tested: **GPC-AF-02-LED-E1-SL4-8030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-02-LED-E1-SL4-8030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5420 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 66
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: 25 FT

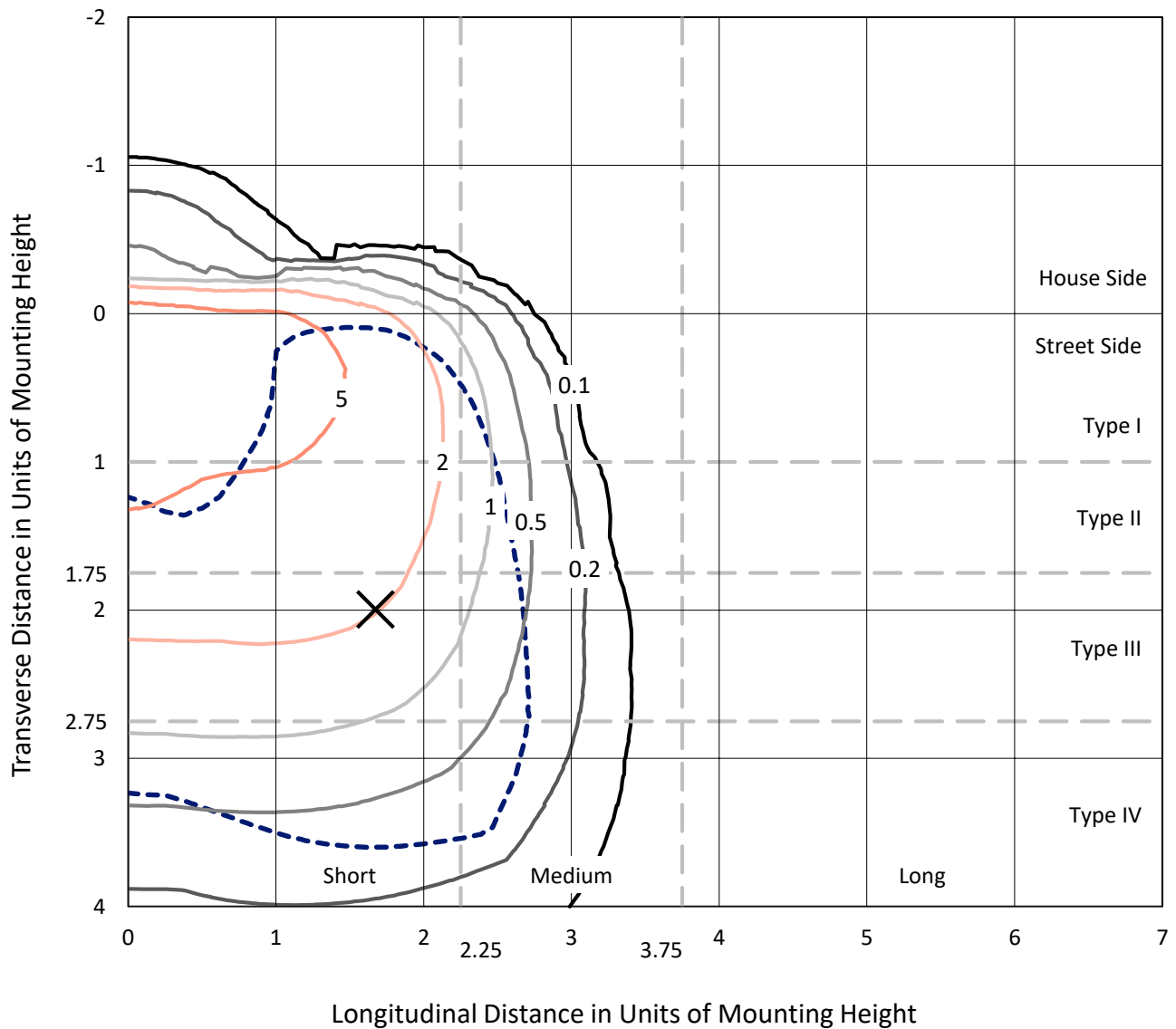


REPORT NUMBER: P200620

CATALOG NUMBER: GPC-AF-02-LED-E1-SL4-8030-600-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

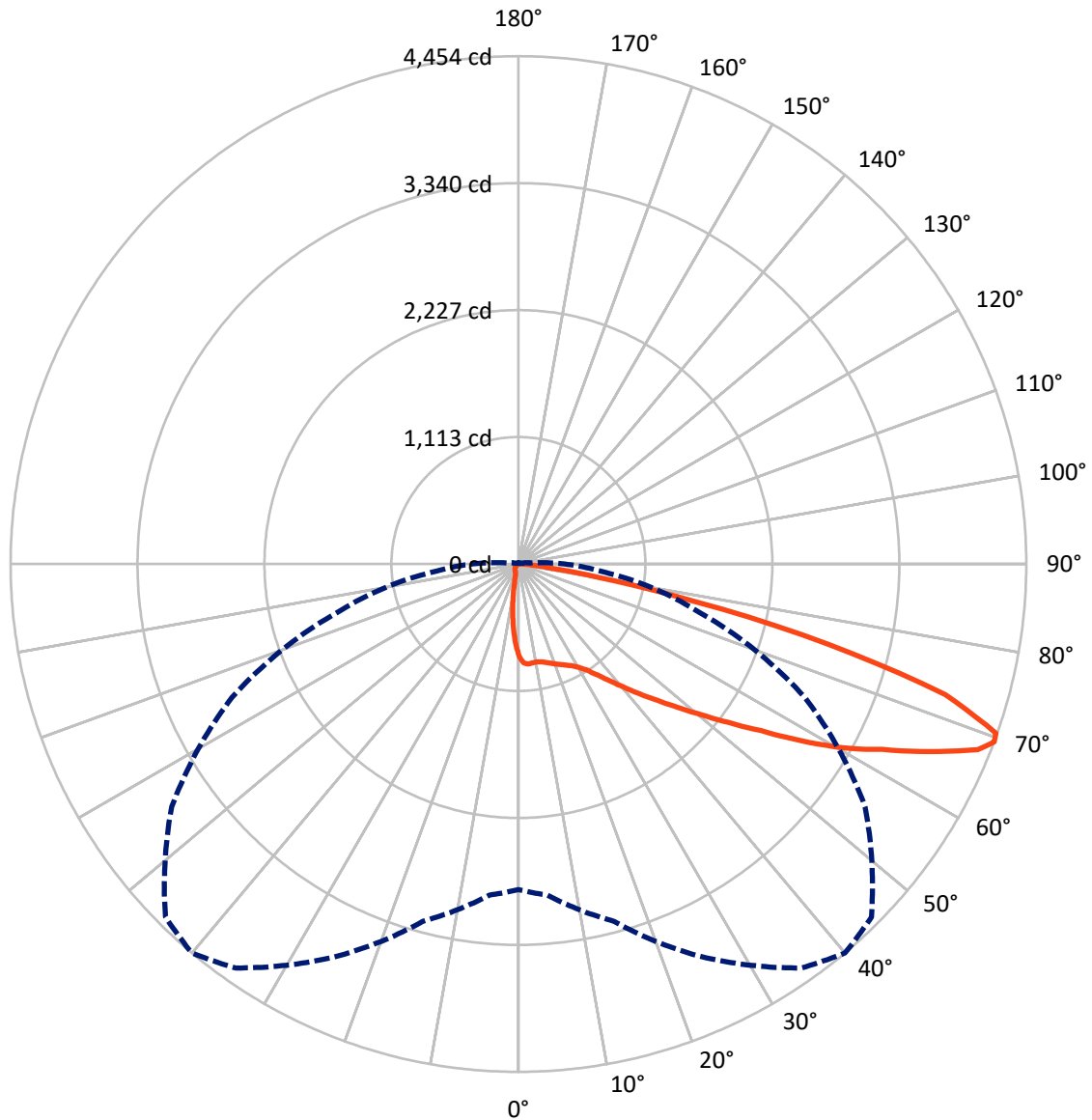


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P200620

CATALOG NUMBER: GPC-AF-02-LED-E1-SL4-8030-600-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P200620

CATALOG NUMBER: GPC-AF-02-LED-E1-SL4-8030-600-HSS

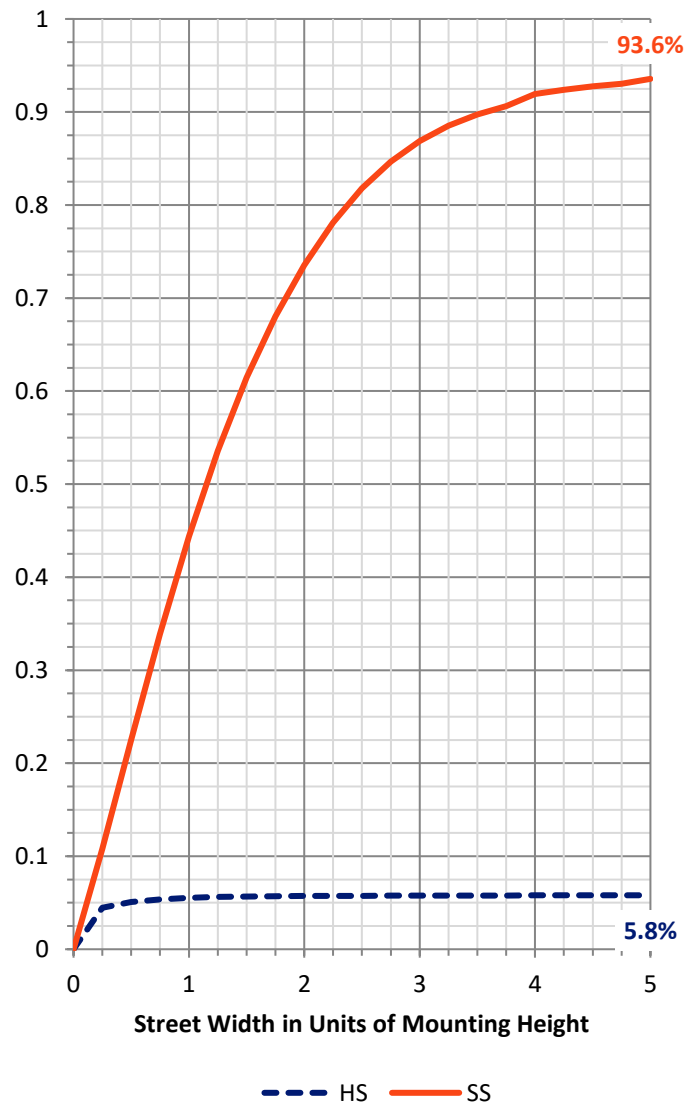
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	317.1	0.0	317.1
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	5102.9	0.0	5102.9
	% Fixture	94.1	0.0	94.1
Total	Lumens	5420.0	0.0	5420.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	1.2
10°-20°	161.5	3.0
20°-30°	272.0	5.0
30°-40°	445.2	8.2
40°-50°	770.9	14.2
50°-60°	1214.2	22.4
60°-70°	1585.7	29.3
70°-80°	816.7	15.1
80°-90°	88.3	1.6
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°	5420.0	100.0
0°-180°	5420.0	100.0



REPORT NUMBER: P200620

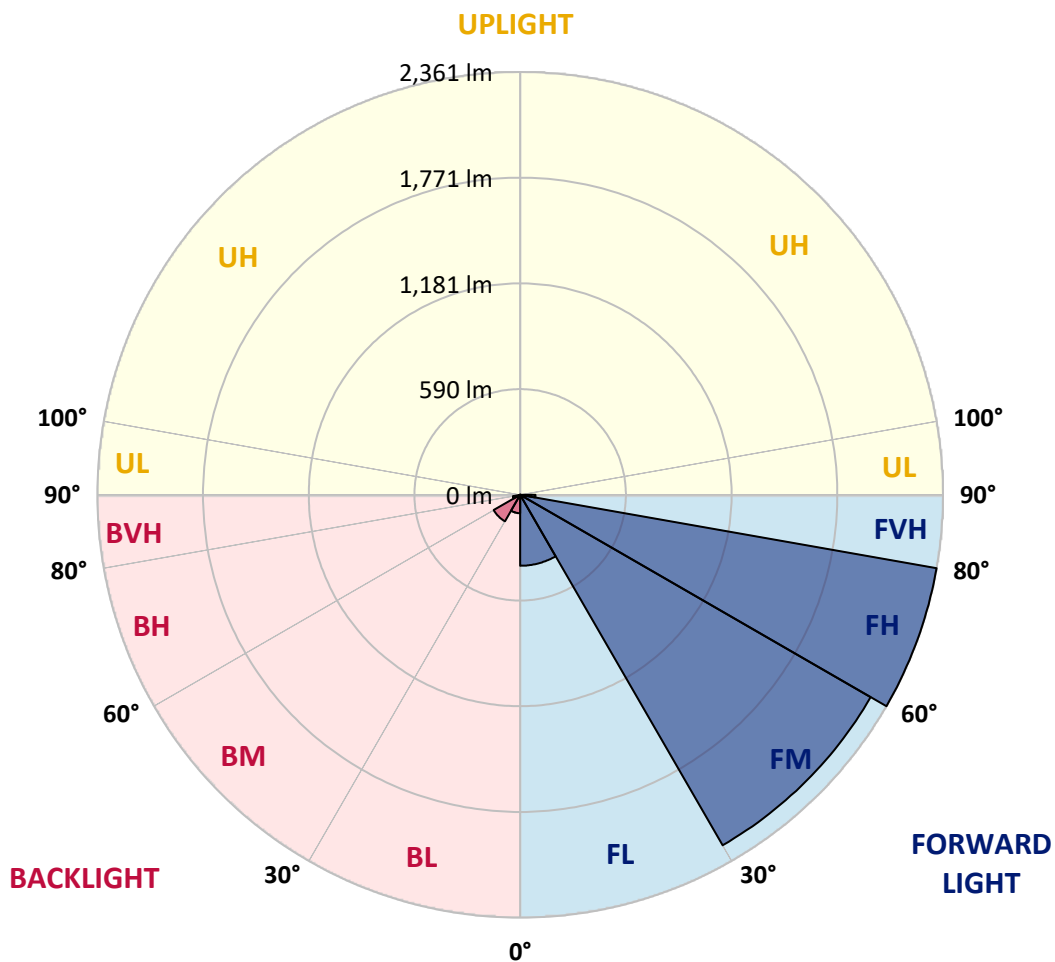
CATALOG NUMBER: GPC-AF-02-LED-E1-SL4-8030-600-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.4	7.3			
FM	(30°-60°)	2259.8	41.7			
FH	(60°-80°)	2361.2	43.6			G2/5000
FVH	(80°-90°)	85.6	1.6			G1/100
BL	(0°-30°)	102.7	1.9	B0/110		
BM	(30°-60°)	170.4	3.1	B0/220		
BH	(60°-80°)	41.2	0.8	B0/110		G0/110
BVH	(80°-90°)	2.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





REPORT NUMBER: P200620

CATALOG NUMBER: GPC-AF-02-LED-E1-SL4-8030-600-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8
2.5°	889.1	884.3	881.4	877.5	872.7	868.5	866.9	854.9	843.7	828.2	810.4
5°	905.6	904.0	898.8	893.7	887.8	881.4	877.8	863.7	847.5	824.9	794.0
7.5°	907.2	905.3	898.8	891.7	883.7	875.9	869.8	855.6	840.7	817.8	780.1
10°	904.6	902.4	897.5	889.8	879.8	872.4	866.2	852.7	840.1	819.5	777.5
12.5°	901.7	899.5	897.2	893.3	884.6	879.5	874.3	861.4	850.1	832.7	786.9
15°	904.6	903.3	905.9	904.3	899.5	894.9	889.8	878.2	867.8	853.3	804.0
17.5°	916.9	916.9	925.0	925.9	921.4	914.9	907.5	895.9	887.2	874.9	824.3
20°	945.6	944.6	955.0	956.9	945.9	935.9	925.0	910.8	904.0	896.2	844.3
22.5°	995.0	990.4	996.6	994.6	973.0	957.5	944.0	926.6	923.0	919.5	866.6
25°	1059.2	1056.6	1060.8	1041.7	1003.7	982.7	966.6	946.9	946.9	950.4	891.7
27.5°	1152.4	1142.7	1128.5	1095.0	1037.9	1011.1	993.7	972.7	978.2	991.4	925.0
30°	1247.9	1237.2	1204.7	1153.0	1079.5	1051.4	1031.1	1009.2	1022.1	1046.3	969.5
32.5°	1342.1	1330.2	1284.0	1218.9	1139.2	1111.1	1091.4	1067.2	1088.8	1129.5	1034.6
35°	1433.4	1422.8	1369.5	1292.7	1218.5	1195.3	1177.2	1156.3	1184.0	1240.8	1126.6
37.5°	1536.0	1524.4	1459.5	1376.3	1315.0	1298.2	1285.0	1264.0	1312.4	1395.7	1254.7
40°	1662.1	1642.5	1555.0	1472.1	1426.6	1418.6	1409.5	1406.6	1481.8	1597.0	1425.3
42.5°	1806.7	1774.4	1655.0	1573.1	1549.2	1555.0	1552.8	1565.7	1693.8	1847.3	1633.1
45°	1951.2	1909.6	1766.3	1680.8	1684.1	1704.4	1717.0	1768.6	1959.3	2134.5	1856.7
47.5°	2073.8	2032.8	1873.1	1797.3	1836.0	1876.0	1910.2	2008.0	2232.2	2417.1	2030.6
50°	2178.7	2139.9	1986.4	1925.4	2012.5	2077.0	2132.5	2277.4	2525.8	2632.3	2152.5
52.5°	2264.5	2238.7	2103.8	2072.2	2214.1	2308.7	2390.0	2563.5	2785.8	2807.1	2247.4
55°	2348.0	2329.6	2229.9	2246.7	2450.9	2579.7	2682.6	2867.1	3009.7	2952.9	2338.3
57.5°	2444.2	2427.4	2373.8	2468.0	2762.3	2924.2	3036.5	3136.2	3206.8	3102.0	2424.2
60°	2542.2	2532.6	2533.9	2713.9	3119.7	3275.2	3337.2	3363.0	3400.4	3242.3	2429.0
62.5°	2635.8	2654.2	2716.8	2987.5	3462.0	3581.4	3612.7	3638.2	3594.3	3264.6	2244.1
65°	2794.2	2824.2	2973.6	3353.6	3838.5	3966.3	3998.6	3911.1	3625.0	2976.8	1825.4
67.5°	2871.6	2926.5	3193.0	3695.0	4203.7	4345.7	4333.8	3928.9	3253.0	2270.0	1171.4
69°	2855.5	2913.9	3243.6	3799.5	4325.0	4453.8	4378.0	3711.7	2771.3	1644.4	719.1
70°	2791.6	2850.7	3217.5	3795.6	4340.5	4442.5	4296.0	3443.6	2343.2	1202.4	449.7
72.5°	2331.3	2382.2	2856.5	3430.7	3998.6	3915.6	3594.0	2385.8	1141.8	327.5	101.3
75°	1435.0	1463.4	2049.6	2584.5	3020.0	2807.1	2394.5	1186.9	340.4	92.6	56.1
77.5°	758.2	771.1	1122.1	1523.4	1914.4	1584.1	1227.2	463.0	156.8	58.1	40.7
80°	448.1	457.8	604.3	696.5	828.5	692.0	490.7	284.2	112.3	36.5	36.1
82.5°	256.5	262.6	438.1	387.1	326.5	278.7	244.2	269.4	67.4	24.5	37.4
85°	94.2	95.5	246.5	294.6	194.2	115.5	121.3	223.3	18.1	15.5	29.4
87.5°	43.9	42.9	126.8	180.3	113.6	73.2	94.5	49.0	7.1	10.0	8.1
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: P200620

CATALOG NUMBER: GPC-AF-02-LED-E1-SL4-8030-600-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8
2.5°	800.1	788.2	766.5	744.3	721.7	704.3	687.2	673.6	669.1	660.7	661.4
5°	775.6	753.6	708.5	662.7	614.9	575.6	538.5	508.4	493.9	479.1	479.1
7.5°	754.3	722.3	651.7	577.2	500.1	435.2	376.8	332.9	308.7	289.4	289.1
10°	746.2	703.0	604.3	497.5	390.0	301.6	232.3	187.8	164.9	150.0	149.4
12.5°	749.8	696.2	567.8	423.9	289.1	193.9	134.5	105.8	96.1	91.6	91.6
15°	760.1	694.3	531.4	352.0	204.2	121.3	89.4	81.6	81.0	81.0	81.0
17.5°	772.7	694.9	493.9	282.0	139.0	86.8	77.1	76.1	76.8	76.8	76.8
20°	785.6	695.2	453.6	217.1	98.1	75.5	72.6	72.3	72.9	72.9	73.2
22.5°	801.4	696.9	413.3	162.3	81.0	71.3	69.0	69.0	69.4	69.4	69.0
25°	819.5	700.1	371.3	120.3	73.9	68.4	66.5	66.1	66.5	66.1	65.8
27.5°	842.0	704.6	324.6	94.2	70.7	65.5	63.9	63.9	63.6	63.2	62.9
30°	870.4	709.8	272.0	80.0	67.4	62.9	61.3	61.0	60.7	60.0	60.0
32.5°	913.7	721.1	220.0	72.6	63.9	59.4	58.1	58.1	57.4	56.8	56.5
35°	980.1	743.3	173.6	68.1	60.0	55.5	53.9	53.9	53.2	52.9	52.6
37.5°	1072.1	777.2	134.9	63.9	56.1	51.3	49.7	49.4	48.7	48.1	47.7
40°	1194.3	819.1	106.1	60.0	52.3	47.1	45.8	45.2	43.9	42.9	42.9
42.5°	1347.9	866.9	86.1	55.8	47.7	43.2	42.3	41.3	39.0	38.1	37.7
45°	1508.6	909.8	72.9	51.0	43.2	39.4	38.7	37.1	34.2	33.2	33.2
47.5°	1624.4	919.8	64.2	46.5	39.0	35.2	34.8	31.9	29.4	28.7	28.4
50°	1696.7	900.1	57.1	41.9	35.2	31.3	30.3	26.8	25.2	24.5	24.2
52.5°	1745.4	864.9	51.3	38.1	31.6	27.7	25.5	22.9	21.6	21.0	21.0
55°	1784.4	815.3	45.5	34.5	28.7	24.8	21.6	19.7	18.4	17.7	17.7
57.5°	1795.4	747.8	39.7	31.6	25.8	21.9	18.4	17.1	15.5	15.2	15.2
60°	1715.7	626.2	35.2	28.1	23.2	19.0	16.1	14.5	12.9	12.6	12.3
62.5°	1505.7	484.6	31.0	24.8	20.3	16.5	13.9	11.9	10.6	10.6	10.6
65°	1148.5	324.9	27.1	21.6	17.7	13.9	11.9	9.7	9.0	9.0	9.4
67.5°	687.5	176.8	23.2	18.4	15.2	11.6	10.0	8.4	8.1	8.4	8.4
69°	403.0	103.9	21.0	16.5	13.2	10.3	8.7	7.4	8.1	8.4	8.4
70°	248.7	70.0	19.4	14.8	11.9	9.4	8.1	7.1	7.7	8.1	8.1
72.5°	69.4	36.1	15.5	11.6	9.7	7.7	6.5	6.5	7.4	7.7	7.7
75°	45.2	26.8	11.9	8.7	7.4	6.1	5.5	6.1	7.1	7.4	7.4
77.5°	37.4	21.9	9.7	7.1	6.1	5.8	5.2	5.5	6.5	6.8	6.8
80°	34.2	15.5	7.7	6.5	5.5	5.2	4.8	4.5	5.8	6.1	6.1
82.5°	32.6	12.3	6.8	5.8	5.2	4.5	4.2	4.5	5.2	5.5	5.8
85°	20.3	8.1	6.1	5.5	4.5	4.2	4.2	4.2	4.8	5.2	5.2
87.5°	7.4	6.5	5.5	4.5	3.9	3.9	3.9	3.9	4.2	4.8	4.8
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)