

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: P200625

Luminaire Tested: **GPC-AF-01-LED-E1-SL4-8030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200625
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-01-LED-E1-SL4-8030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE 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: 4619 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

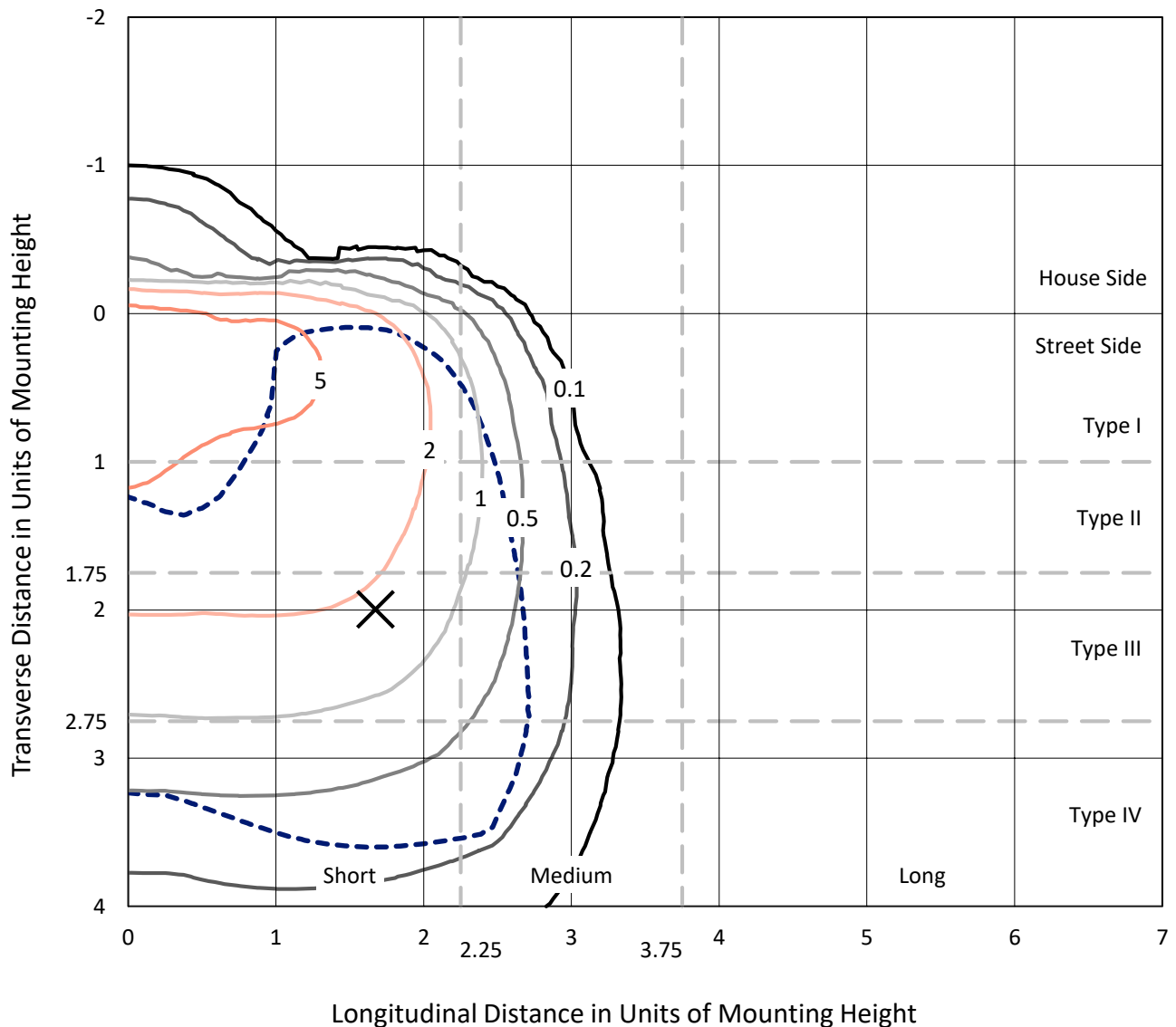
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

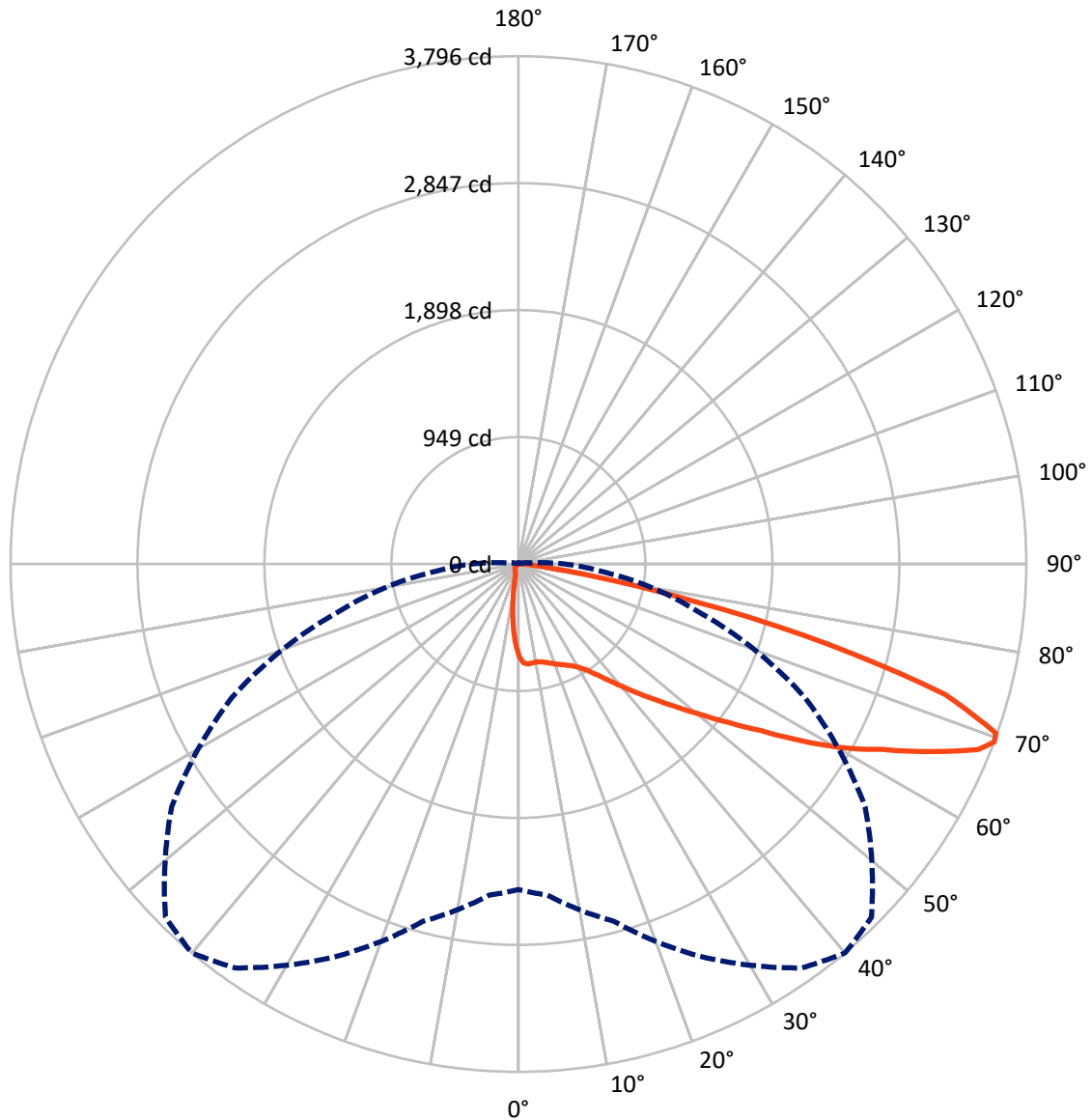
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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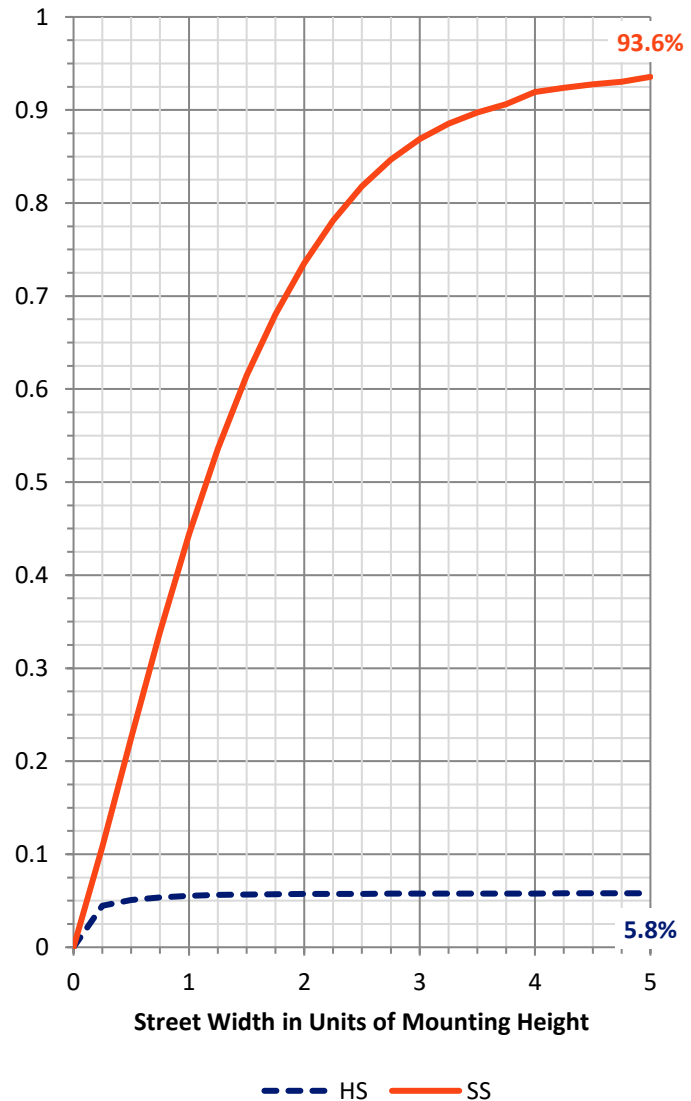
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	270.2	0.0	270.2
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	4348.8	0.0	4348.8
	% Fixture	94.1	0.0	94.1
Total	Lumens	4619.0	0.0	4619.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.2
10°-20°	137.6	3.0
20°-30°	231.8	5.0
30°-40°	379.4	8.2
40°-50°	656.9	14.2
50°-60°	1034.7	22.4
60°-70°	1351.3	29.3
70°-80°	696.0	15.1
80°-90°	75.3	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°	4619.0	100.0
0°-180°	4619.0	100.0



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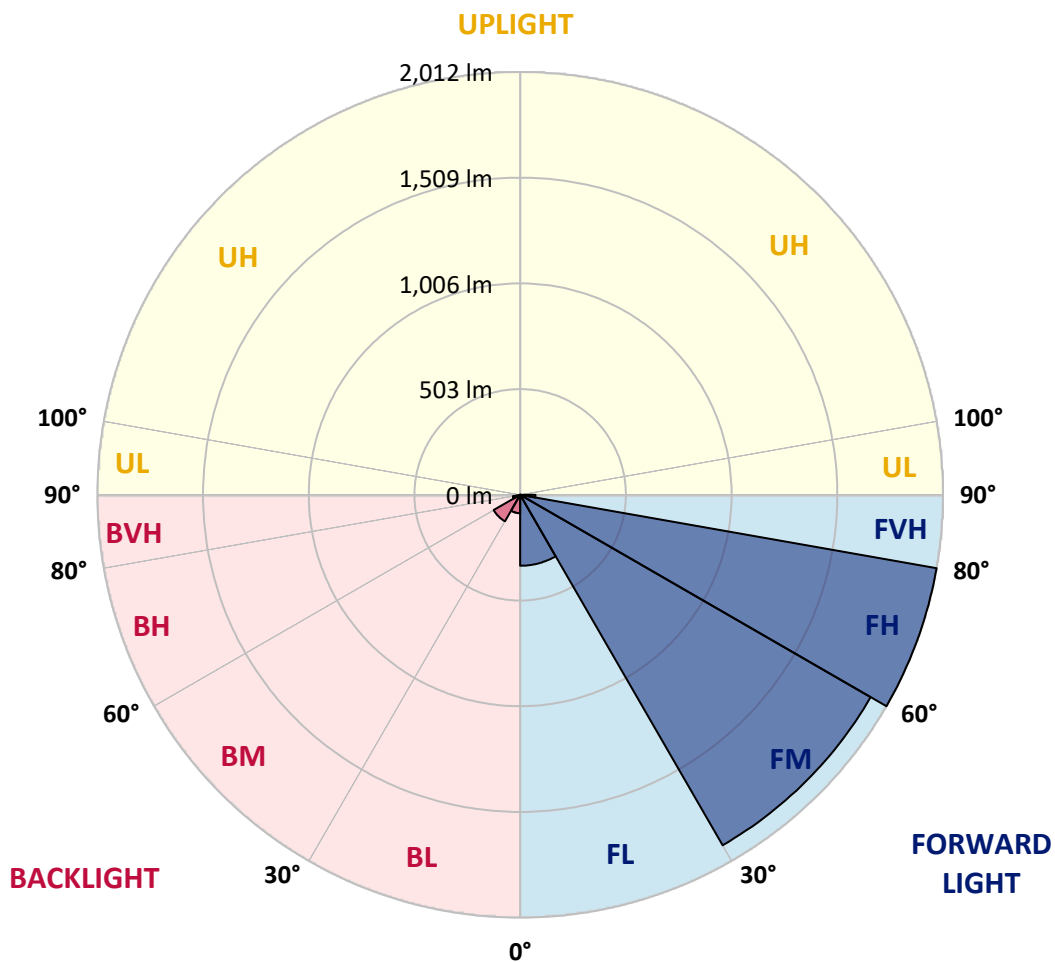
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.8	7.3			
FM	(30°-60°)	1925.8	41.7			
FH	(60°-80°)	2012.2	43.6			G2/5000
FVH	(80°-90°)	72.9	1.6			G1/100
BL	(0°-30°)	87.5	1.9	B0/110		
BM	(30°-60°)	145.2	3.1	B0/220		
BH	(60°-80°)	35.1	0.8	B0/110		G0/110
BVH	(80°-90°)	2.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1
2.5°	757.7	753.6	751.1	747.8	743.7	740.1	738.8	728.6	719.0	705.8	690.7
5°	771.8	770.4	766.0	761.6	756.6	751.1	748.1	736.0	722.3	703.0	676.6
7.5°	773.1	771.5	766.0	759.9	753.1	746.5	741.2	729.1	716.5	697.0	664.8
10°	770.9	769.0	764.9	758.3	749.8	743.4	738.2	726.7	715.9	698.4	662.6
12.5°	768.5	766.5	764.6	761.3	753.9	749.5	745.1	734.1	724.5	709.6	670.6
15°	770.9	769.8	772.0	770.7	766.5	762.7	758.3	748.4	739.6	727.2	685.2
17.5°	781.4	781.4	788.3	789.1	785.2	779.7	773.4	763.5	756.1	745.6	702.5
20°	805.9	805.0	813.8	815.5	806.1	797.6	788.3	776.2	770.4	763.8	719.5
22.5°	847.9	844.1	849.3	847.6	829.2	816.0	804.5	789.6	786.6	783.6	738.5
25°	902.6	900.4	904.0	887.8	855.3	837.5	823.7	807.0	807.0	810.0	759.9
27.5°	982.1	973.8	961.7	933.2	884.5	861.7	846.8	828.9	833.6	844.9	788.3
30°	1063.5	1054.4	1026.6	982.6	920.0	896.0	878.7	860.0	871.0	891.6	826.2
32.5°	1143.8	1133.6	1094.3	1038.7	970.8	946.9	930.1	909.5	927.9	962.6	881.7
35°	1221.6	1212.5	1167.1	1101.7	1038.5	1018.7	1003.3	985.4	1009.0	1057.4	960.1
37.5°	1309.0	1299.1	1243.8	1172.9	1120.7	1106.4	1095.1	1077.2	1118.5	1189.4	1069.2
40°	1416.5	1399.7	1325.2	1254.6	1215.8	1208.9	1201.2	1198.7	1262.8	1361.0	1214.7
42.5°	1539.7	1512.2	1410.4	1340.6	1320.3	1325.2	1323.3	1334.3	1443.4	1574.3	1391.8
45°	1662.8	1627.4	1505.3	1432.4	1435.2	1452.5	1463.2	1507.2	1669.7	1819.0	1582.3
47.5°	1767.3	1732.4	1596.3	1531.7	1564.7	1598.8	1627.9	1711.2	1902.3	2059.9	1730.5
50°	1856.7	1823.7	1692.8	1640.8	1715.1	1770.1	1817.4	1940.8	2152.5	2243.2	1834.4
52.5°	1929.8	1907.8	1792.9	1765.9	1886.9	1967.5	2036.8	2184.7	2374.1	2392.3	1915.2
55°	2001.0	1985.4	1900.4	1914.7	2088.7	2198.4	2286.1	2443.4	2564.9	2516.5	1992.8
57.5°	2083.0	2068.7	2023.0	2103.3	2354.0	2492.1	2587.7	2672.7	2732.9	2643.6	2065.9
60°	2166.5	2158.3	2159.4	2312.8	2658.7	2791.2	2844.0	2866.0	2897.9	2763.2	2070.0
62.5°	2246.3	2261.9	2315.3	2546.0	2950.4	3052.1	3078.8	3100.5	3063.1	2782.1	1912.5
65°	2381.3	2406.8	2534.1	2858.0	3271.3	3380.1	3407.6	3333.1	3089.2	2536.9	1555.6
67.5°	2447.3	2494.0	2721.1	3148.9	3582.5	3703.5	3693.3	3348.2	2772.2	1934.5	998.3
69°	2433.5	2483.3	2764.3	3238.0	3685.9	3795.6	3731.0	3163.2	2361.7	1401.4	612.8
70°	2379.1	2429.4	2742.0	3234.7	3699.1	3785.9	3661.1	2934.7	1996.9	1024.7	383.3
72.5°	1986.7	2030.2	2434.3	2923.7	3407.6	3337.0	3062.8	2033.2	973.0	279.1	86.3
75°	1222.9	1247.1	1746.7	2202.6	2573.7	2392.3	2040.6	1011.5	290.1	78.9	47.8
77.5°	646.1	657.1	956.2	1298.3	1631.5	1350.0	1045.9	394.5	133.6	49.5	34.6
80°	381.9	390.1	515.0	593.6	706.0	589.7	418.2	242.2	95.7	31.1	30.8
82.5°	218.6	223.8	373.4	329.9	278.2	237.5	208.1	229.6	57.5	20.9	31.9
85°	80.3	81.4	210.1	251.0	165.5	98.4	103.4	190.3	15.4	13.2	25.0
87.5°	37.4	36.6	108.1	153.7	96.8	62.4	80.6	41.8	6.0	8.5	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1	690.1
2.5°	681.9	671.7	653.3	634.3	615.0	600.2	585.6	574.1	570.2	563.1	563.6
5°	661.0	642.3	603.8	564.7	524.0	490.5	458.9	433.3	420.9	408.3	408.3
7.5°	642.8	615.6	555.4	491.9	426.2	370.9	321.1	283.7	263.1	246.6	246.3
10°	635.9	599.1	515.0	424.0	332.4	257.1	198.0	160.0	140.5	127.8	127.3
12.5°	639.0	593.3	483.9	361.3	246.3	165.2	114.7	90.2	81.9	78.1	78.1
15°	647.8	591.7	452.8	300.0	174.0	103.4	76.2	69.6	69.0	69.0	69.0
17.5°	658.5	592.2	420.9	240.3	118.5	74.0	65.7	64.9	65.4	65.4	65.4
20°	669.5	592.5	386.6	185.0	83.6	64.3	61.9	61.6	62.1	62.1	62.4
22.5°	683.0	593.9	352.2	138.3	69.0	60.8	58.8	58.8	59.1	59.1	58.8
25°	698.4	596.6	316.5	102.6	63.0	58.3	56.6	56.4	56.6	56.4	56.1
27.5°	717.6	600.5	276.6	80.3	60.2	55.8	54.4	54.4	54.2	53.9	53.6
30°	741.8	604.9	231.8	68.2	57.5	53.6	52.2	52.0	51.7	51.1	51.1
32.5°	778.6	614.5	187.5	61.9	54.4	50.6	49.5	49.5	48.9	48.4	48.1
35°	835.3	633.5	147.9	58.0	51.1	47.3	45.9	45.9	45.4	45.1	44.8
37.5°	913.6	662.3	114.9	54.4	47.8	43.7	42.3	42.1	41.5	41.0	40.7
40°	1017.8	698.1	90.5	51.1	44.5	40.1	39.0	38.5	37.4	36.6	36.6
42.5°	1148.7	738.8	73.4	47.6	40.7	36.8	36.0	35.2	33.3	32.4	32.2
45°	1285.6	775.3	62.1	43.4	36.8	33.5	33.0	31.6	29.1	28.3	28.3
47.5°	1384.3	783.9	54.7	39.6	33.3	30.0	29.7	27.2	25.0	24.5	24.2
50°	1445.9	767.1	48.7	35.7	30.0	26.7	25.8	22.8	21.4	20.9	20.6
52.5°	1487.4	737.1	43.7	32.4	26.9	23.6	21.7	19.5	18.4	17.9	17.9
55°	1520.7	694.8	38.8	29.4	24.5	21.2	18.4	16.8	15.7	15.1	15.1
57.5°	1530.0	637.3	33.8	26.9	22.0	18.7	15.7	14.6	13.2	12.9	12.9
60°	1462.1	533.7	30.0	23.9	19.8	16.2	13.7	12.4	11.0	10.7	10.4
62.5°	1283.2	413.0	26.4	21.2	17.3	14.0	11.8	10.2	9.1	9.1	9.1
65°	978.8	276.9	23.1	18.4	15.1	11.8	10.2	8.2	7.7	7.7	8.0
67.5°	585.9	150.7	19.8	15.7	12.9	9.9	8.5	7.1	6.9	7.1	7.1
69°	343.4	88.5	17.9	14.0	11.3	8.8	7.4	6.3	6.9	7.1	7.1
70°	212.0	59.7	16.5	12.6	10.2	8.0	6.9	6.0	6.6	6.9	6.9
72.5°	59.1	30.8	13.2	9.9	8.2	6.6	5.5	5.5	6.3	6.6	6.6
75°	38.5	22.8	10.2	7.4	6.3	5.2	4.7	5.2	6.0	6.3	6.3
77.5°	31.9	18.7	8.2	6.0	5.2	4.9	4.4	4.7	5.5	5.8	5.8
80°	29.1	13.2	6.6	5.5	4.7	4.4	4.1	3.8	4.9	5.2	5.2
82.5°	27.8	10.4	5.8	4.9	4.4	3.8	3.6	3.8	4.4	4.7	4.9
85°	17.3	6.9	5.2	4.7	3.8	3.6	3.6	3.6	4.1	4.4	4.4
87.5°	6.3	5.5	4.7	3.8	3.3	3.3	3.3	3.3	3.6	4.1	4.1
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)