

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: P200132

Luminaire Tested: **GPC-AF-02-LED-E1-SL3-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
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-SL3-600
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8373.9 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

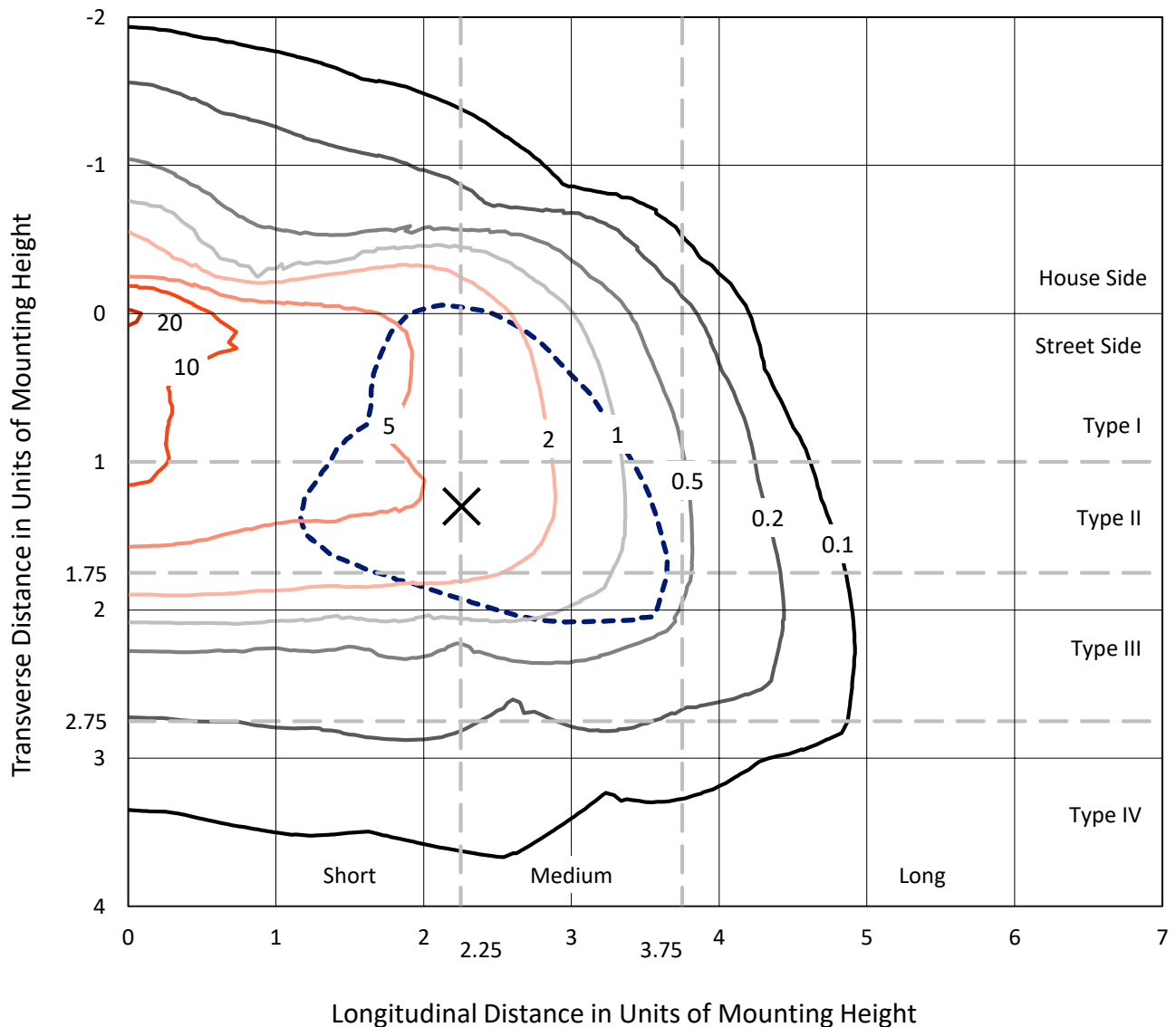
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200132
 CATALOG NUMBER: GPC-AF-02-LED-E1-SL3-600

Iso-Footcandle Lines of Horizontal Illumination

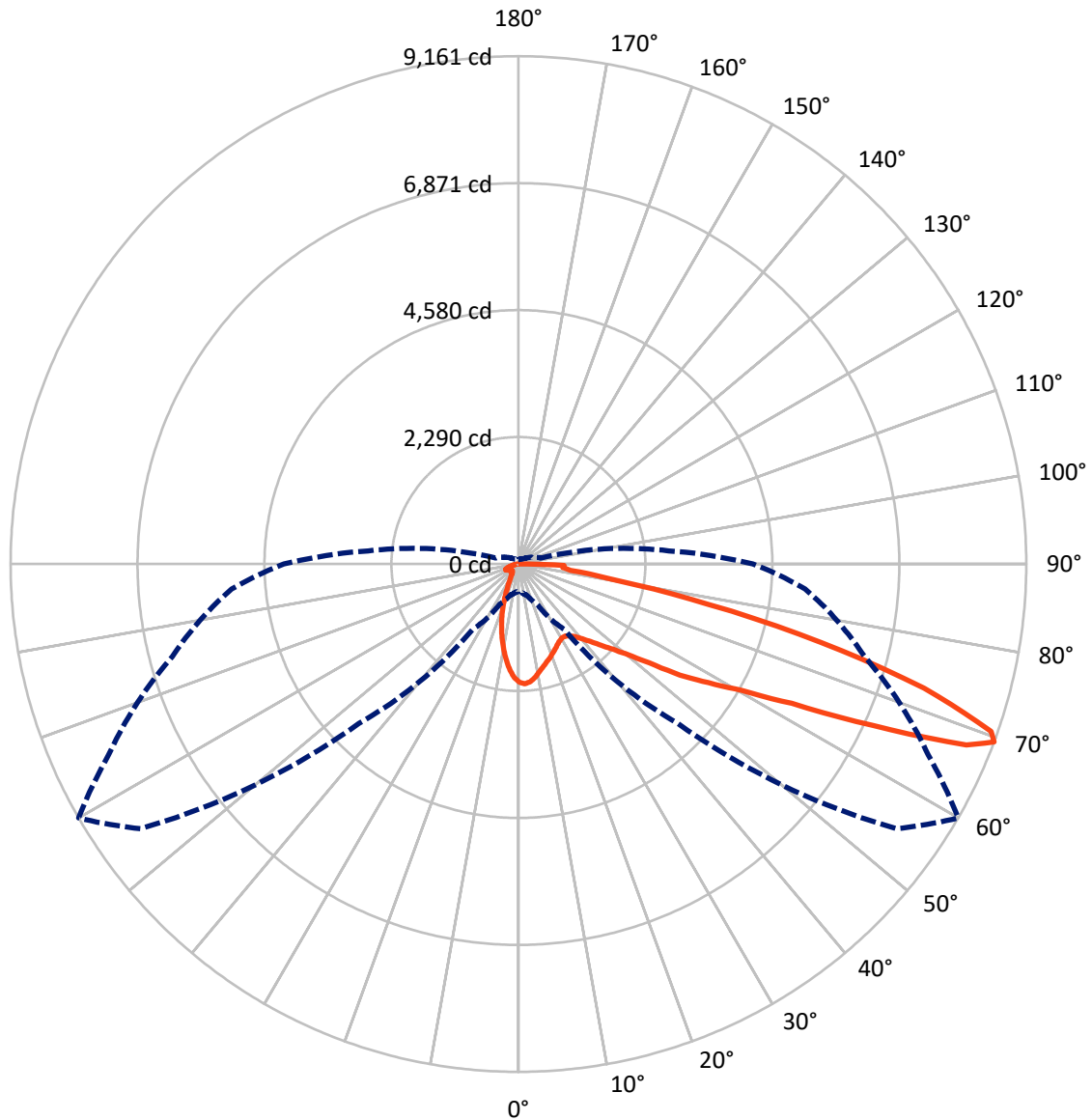
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.3 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P200132
CATALOG NUMBER: GPC-AF-02-LED-E1-SL3-600

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P200132

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.3	0.0	1191.3
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	7182.5	0.0	7182.5
	% Fixture	85.8	0.0	85.8
Total	Lumens	8373.9	0.0	8373.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	2.2
10°-20°	384.4	4.6
20°-30°	489.8	5.8
30°-40°	673.3	8.0
40°-50°	1092.5	13.0
50°-60°	1752.2	20.9
60°-70°	2332.0	27.8
70°-80°	1259.1	15.0
80°-90°	210.1	2.5
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°	8373.9	100.0
0°-180°	8373.9	100.0



REPORT NUMBER: P200132

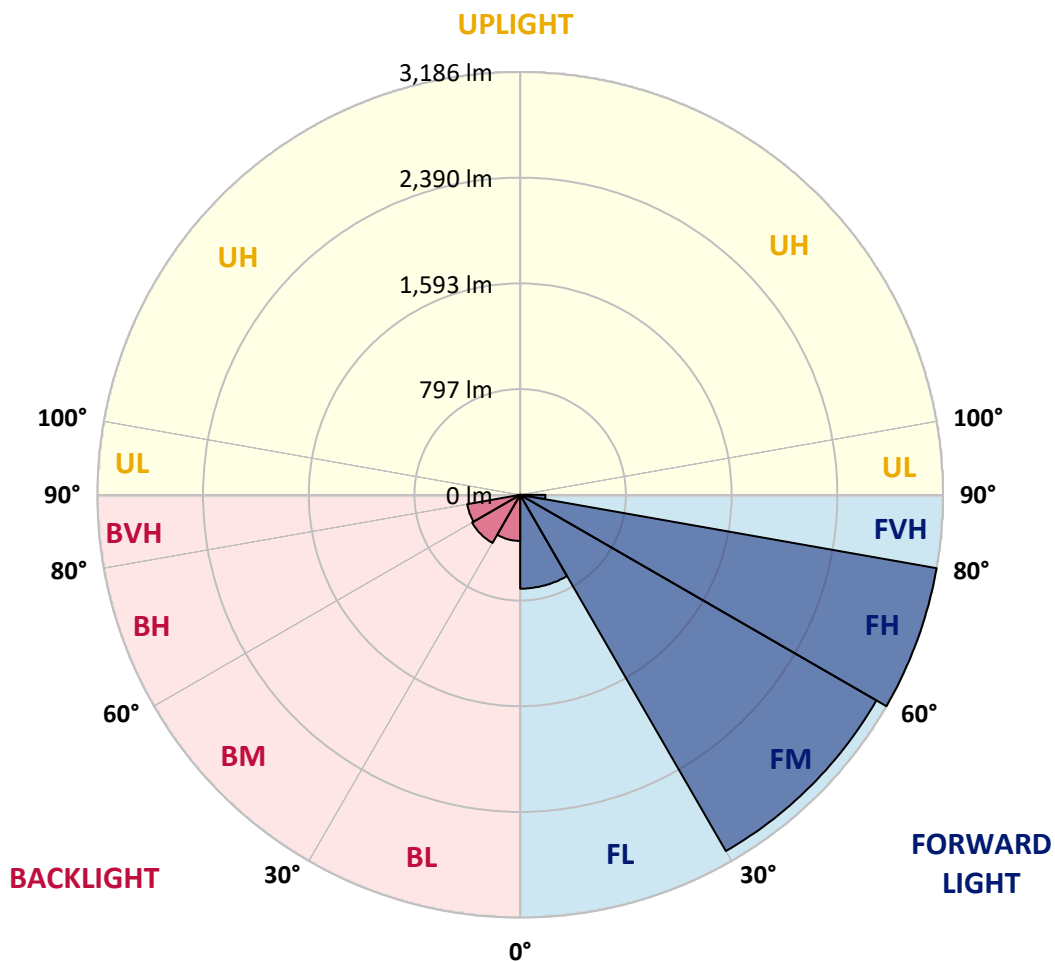
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	707.1	8.4			
FM	(30°-60°)	3099.5	37.0			
FH	(60°-80°)	3186.1	38.0			G2/5000
FVH	(80°-90°)	189.9	2.3			G2/225
BL	(0°-30°)	347.5	4.2	B1/500		
BM	(30°-60°)	418.5	5.0	B1/1000		
BH	(60°-80°)	405.0	4.8	B1/500		G1/500
BVH	(80°-90°)	20.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P200132

CATALOG NUMBER: GPC-AF-02-LED-E1-SL3-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8
2.5°	2177.5	2182.4	2180.3	2179.1	2182.8	2177.0	2165.4	2161.7	2156.1	2142.7	2120.1
5°	2095.7	2110.3	2109.5	2120.5	2138.7	2143.5	2138.3	2139.1	2128.6	2112.0	2074.3
7.5°	1954.6	1960.7	1963.9	1987.8	2020.9	2047.6	2070.2	2077.6	2072.7	2058.6	2010.0
10°	1809.0	1813.8	1821.5	1849.4	1891.5	1928.3	1971.2	1995.9	2006.4	2004.0	1949.7
12.5°	1684.0	1688.8	1698.9	1730.5	1780.7	1826.0	1888.3	1919.0	1944.1	1959.1	1900.7
15°	1572.0	1582.4	1592.1	1628.5	1684.8	1744.2	1814.6	1853.5	1892.3	1925.9	1857.5
17.5°	1484.5	1495.0	1500.8	1533.9	1593.8	1666.6	1749.1	1794.8	1843.4	1898.4	1814.6
20°	1434.0	1438.9	1436.4	1455.0	1508.9	1586.1	1684.0	1737.0	1795.6	1872.5	1771.8
22.5°	1419.9	1420.3	1411.4	1409.3	1444.1	1509.3	1614.4	1678.8	1750.7	1855.5	1734.9
25°	1454.2	1453.0	1428.8	1408.9	1412.6	1450.5	1547.2	1622.1	1713.1	1851.8	1706.6
27.5°	1530.6	1534.3	1498.3	1461.1	1424.3	1423.0	1496.3	1575.1	1682.3	1868.4	1694.5
30°	1637.8	1643.9	1605.5	1558.2	1489.0	1431.9	1476.4	1547.2	1663.3	1902.8	1692.5
32.5°	1755.2	1761.6	1732.5	1682.8	1592.1	1487.0	1490.2	1549.7	1662.5	1951.0	1706.2
35°	1880.2	1887.4	1872.5	1830.4	1729.7	1588.5	1542.8	1588.9	1688.8	2024.5	1743.0
37.5°	2019.7	2031.1	2035.1	1995.1	1887.4	1722.4	1628.9	1663.3	1748.3	2126.9	1810.6
40°	2220.7	2236.6	2235.4	2177.9	2068.3	1903.2	1762.0	1770.9	1840.9	2263.7	1918.5
42.5°	2605.9	2609.1	2508.4	2383.4	2267.3	2093.4	1919.0	1911.7	1968.8	2436.8	2077.6
45°	3095.8	3082.4	2858.2	2616.8	2475.2	2311.8	2123.2	2087.6	2130.9	2647.9	2276.6
47.5°	3502.3	3471.5	3188.3	2855.1	2695.3	2549.2	2363.1	2300.8	2324.8	2887.4	2533.8
50°	3643.4	3620.3	3385.8	3053.2	2903.5	2838.9	2658.4	2570.3	2576.7	3173.0	2835.2
52.5°	3613.1	3609.9	3453.3	3183.9	3098.5	3143.0	3076.7	2957.4	2894.2	3490.1	3160.4
55°	3541.5	3548.4	3491.7	3335.9	3321.4	3436.7	3623.2	3535.0	3338.8	3810.1	3496.5
57.5°	3292.7	3310.5	3435.1	3527.3	3680.3	3851.7	4063.3	4038.2	3817.3	4155.9	3896.2
60°	2652.8	2694.0	3028.1	3490.1	4049.6	4585.9	4680.6	4622.3	4310.8	4585.2	4424.2
62.5°	1858.7	1901.6	2298.9	3021.7	3988.9	5415.2	5784.1	5532.9	5019.5	5217.4	5107.4
65°	995.1	1015.7	1319.1	2096.5	3367.6	5586.3	7396.9	7014.6	6141.7	5996.8	5691.9
67.5°	548.9	560.3	676.4	1058.7	2156.9	4919.3	8424.3	8713.2	7544.2	6515.9	5585.5
69°	496.3	506.9	582.9	801.8	1443.3	4067.4	8324.1	9160.9	8159.0	6464.4	5192.3
70°	485.4	495.1	563.4	739.1	1168.2	3352.6	7987.8	9046.5	8305.4	6280.4	4849.3
72.5°	436.9	447.4	513.7	663.8	998.3	1671.4	6327.4	7648.9	7540.5	5445.5	3678.2
75°	407.3	417.1	529.5	650.1	955.8	1057.8	4171.3	5637.3	5543.0	3809.3	1983.3
77.5°	174.3	173.5	245.5	550.1	970.1	1024.2	2241.4	3521.7	3213.0	1628.1	569.6
80°	116.5	114.5	116.5	161.8	889.6	1029.9	1174.2	1787.5	1350.3	415.0	280.7
82.5°	100.4	98.7	102.3	98.7	312.7	1175.5	998.3	950.6	642.0	235.8	139.1
85°	67.5	64.8	88.2	88.6	147.6	1044.4	1124.5	802.9	519.4	139.9	68.7
87.5°	32.3	31.5	51.4	62.7	86.5	424.3	1261.7	822.8	523.9	71.6	32.7
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: P200132

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8	2133.8
2.5°	2113.1	2096.5	2080.4	2060.9	2040.8	2018.1	2006.8	1995.5	1992.6	1989.3	1978.1
5°	2054.9	2031.5	1991.0	1946.5	1899.6	1853.9	1819.1	1797.2	1780.7	1772.2	1757.2
7.5°	1979.7	1945.2	1874.5	1797.6	1718.8	1646.7	1584.4	1545.3	1508.0	1490.6	1470.8
10°	1908.1	1856.7	1746.7	1633.4	1520.1	1411.4	1309.0	1236.5	1172.3	1136.3	1110.8
12.5°	1846.6	1776.3	1623.7	1470.4	1315.1	1160.1	1006.8	886.3	785.5	732.5	705.4
15°	1786.7	1701.8	1506.8	1312.2	1112.8	902.0	700.6	563.9	480.6	447.4	436.1
17.5°	1732.5	1623.7	1389.5	1152.9	904.1	649.3	470.9	395.6	363.7	352.7	349.1
20°	1673.9	1544.9	1267.7	986.2	686.5	453.9	367.6	334.5	321.6	318.3	316.7
22.5°	1617.2	1467.1	1151.2	807.8	493.1	350.3	315.9	302.2	300.1	303.0	303.0
25°	1569.1	1397.6	1025.4	621.3	362.0	294.9	282.7	279.5	287.2	297.7	299.7
27.5°	1533.1	1340.6	891.5	458.7	288.4	256.5	256.0	261.4	280.3	300.5	304.6
30°	1508.4	1286.4	748.4	330.9	241.9	225.8	232.2	243.6	271.4	300.1	307.8
32.5°	1495.9	1246.3	599.0	256.0	207.1	198.2	209.1	222.9	250.4	277.1	287.2
35°	1505.6	1216.8	458.3	213.6	182.8	175.9	187.3	200.6	216.9	228.1	235.8
37.5°	1542.0	1205.0	345.9	191.3	166.2	159.8	168.7	176.4	182.8	186.1	189.8
40°	1620.5	1217.6	277.1	180.0	156.9	148.8	152.5	155.3	159.4	162.6	164.2
42.5°	1736.2	1255.2	248.4	175.5	152.1	140.3	139.5	140.8	146.1	152.1	153.3
45°	1898.0	1321.6	246.3	178.4	149.7	133.5	129.8	131.4	139.5	148.8	150.5
47.5°	2104.6	1422.6	262.5	186.9	151.7	129.8	123.8	125.8	136.0	148.4	150.5
50°	2355.0	1563.8	289.6	199.4	160.6	130.6	121.7	123.0	133.5	147.2	149.2
52.5°	2650.8	1764.1	319.2	211.5	169.9	136.0	123.4	120.5	130.2	142.4	144.8
55°	2979.7	2020.9	349.5	222.5	174.7	142.4	126.6	117.3	124.2	134.3	136.4
57.5°	3383.3	2380.1	402.1	233.0	178.0	146.8	129.8	114.1	116.5	123.8	125.4
60°	3929.8	2888.2	494.7	250.4	185.3	148.4	129.4	111.2	108.8	112.8	113.6
62.5°	4584.8	3440.0	571.9	272.2	197.4	149.7	127.1	109.3	102.3	102.3	103.1
65°	4973.5	3587.6	529.1	290.4	207.6	148.4	124.2	107.2	97.5	93.0	93.4
67.5°	4643.8	3155.2	453.5	294.1	207.1	142.8	119.7	103.5	92.7	85.7	85.3
69°	4230.7	2722.4	419.5	284.4	197.4	135.5	114.1	99.5	89.0	81.7	81.3
70°	3897.9	2458.3	397.2	273.8	186.9	130.2	109.7	95.9	86.1	79.3	78.5
72.5°	2834.0	1610.7	339.4	235.4	154.2	109.3	94.6	84.2	76.8	72.8	72.0
75°	1416.2	768.1	275.5	190.9	118.2	87.4	77.6	70.4	66.7	66.0	65.6
77.5°	465.1	351.9	197.0	142.4	87.8	68.3	62.7	57.5	56.7	59.0	58.2
80°	255.6	204.7	125.0	94.2	59.8	50.1	49.3	46.5	47.8	51.8	50.9
82.5°	130.2	106.4	77.2	56.7	40.4	36.0	39.3	37.6	39.3	42.9	42.5
85°	64.3	58.2	48.9	34.4	26.7	23.0	27.9	29.2	30.0	32.7	32.7
87.5°	37.2	34.4	25.9	16.2	13.3	12.2	16.2	15.8	18.6	20.3	19.8
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)