

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: P200610

Luminaire Tested: **GPC-AF-02-LED-E1-SL3-8030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
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-SL3-8030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9500 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

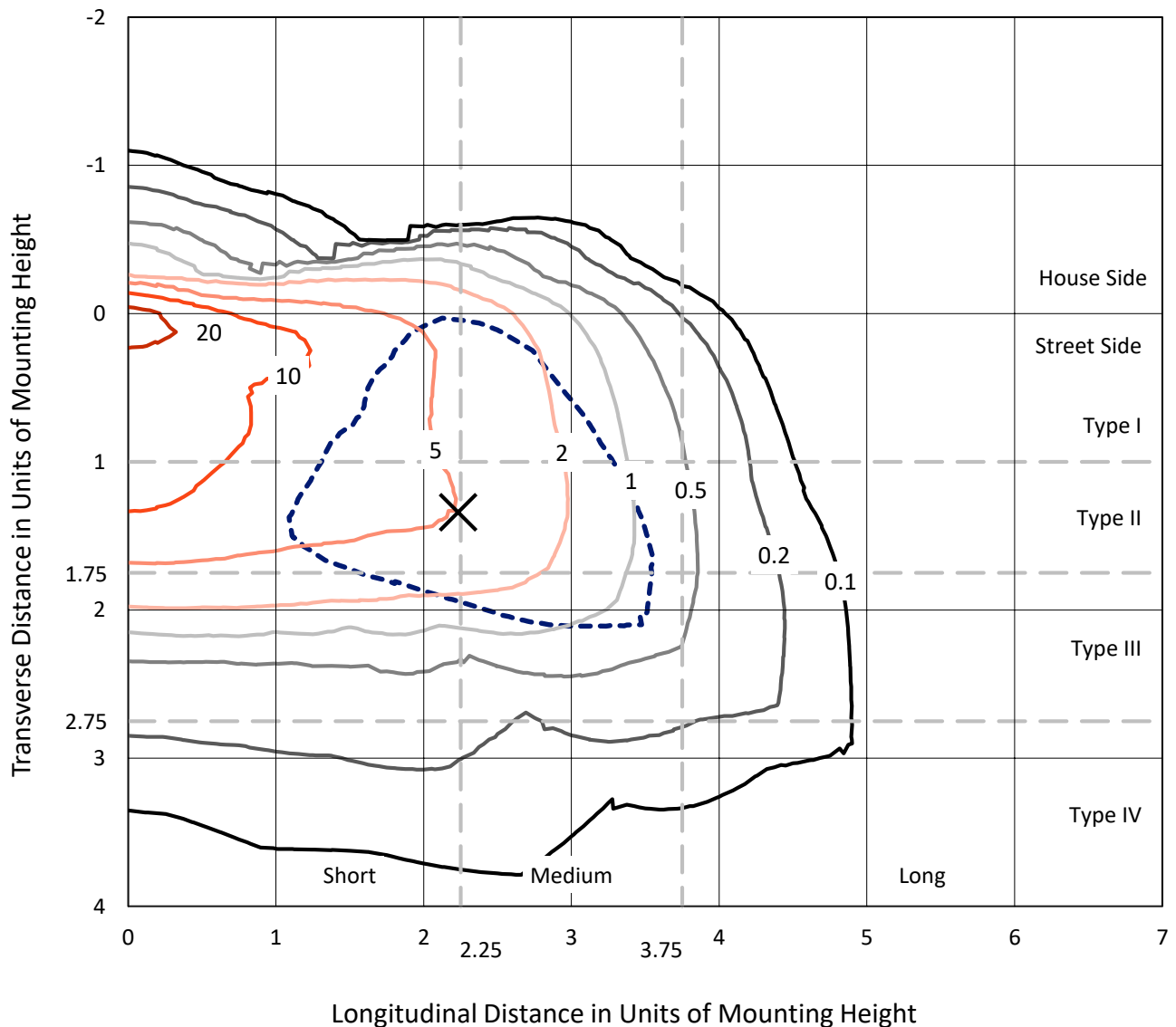
Input Watts (W): 129
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

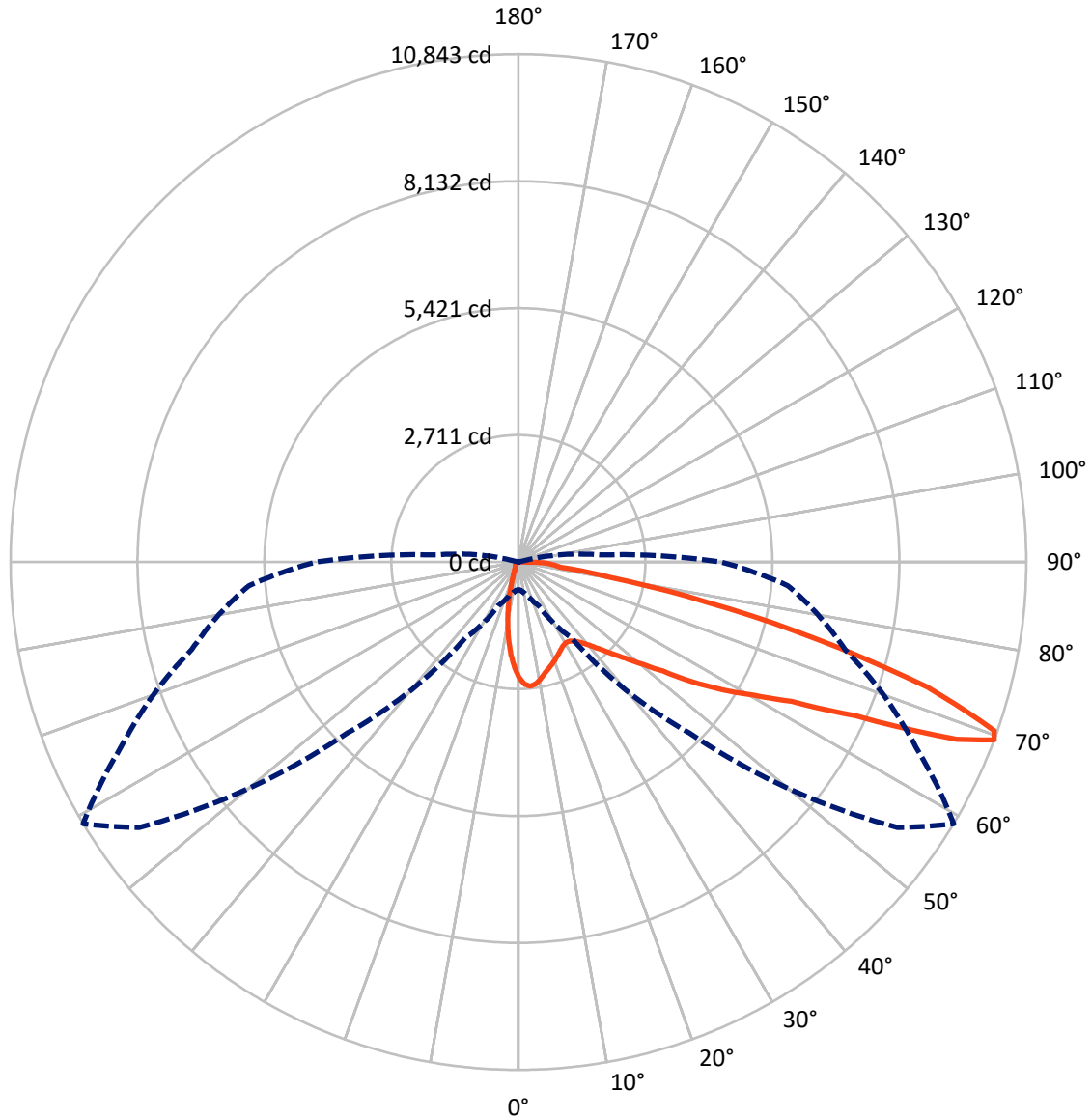
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	773.6	0.0	773.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	8726.4	0.0	8726.4
	% Fixture	91.9	0.0	91.9
Total	Lumens	9500.0	0.0	9500.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	2.1
10°-20°	414.7	4.4
20°-30°	558.1	5.9
30°-40°	810.3	8.5
40°-50°	1349.2	14.2
50°-60°	2104.7	22.2
60°-70°	2604.4	27.4
70°-80°	1319.9	13.9
80°-90°	138.1	1.5
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°	9500.0	100.0
0°-180°	9500.0	100.0



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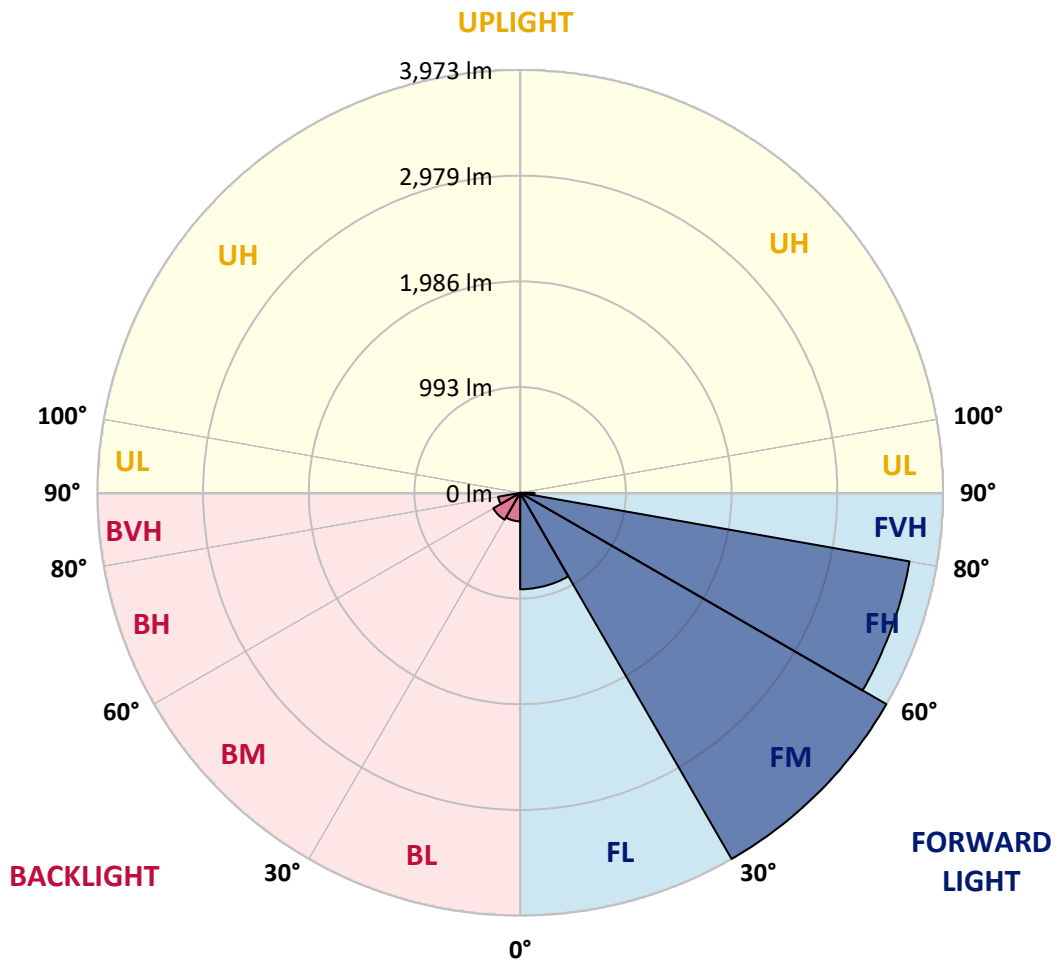
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	905.7	9.5			
FM	(30°-60°)	3972.6	41.8			
FH	(60°-80°)	3714.2	39.1			G2/5000
FVH	(80°-90°)	133.9	1.4			G2/225
BL	(0°-30°)	267.8	2.8	B1/500		
BM	(30°-60°)	291.5	3.1	B1/1000		
BH	(60°-80°)	210.1	2.2	B1/500		G1/500
BVH	(80°-90°)	4.2	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7
2.5°	2710.2	2709.1	2697.3	2691.9	2682.2	2661.8	2630.1	2613.5	2586.6	2539.9	2477.0
5°	2685.4	2698.3	2705.3	2705.9	2712.8	2705.3	2676.9	2662.9	2625.8	2550.6	2437.8
7.5°	2517.8	2522.7	2542.6	2559.7	2593.1	2624.7	2635.0	2629.0	2607.0	2526.4	2376.6
10°	2338.4	2343.3	2366.9	2389.5	2434.6	2483.5	2535.0	2545.8	2554.9	2492.1	2317.5
12.5°	2183.7	2188.5	2212.7	2242.3	2294.9	2355.1	2435.1	2452.8	2493.1	2459.3	2270.2
15°	2050.5	2052.6	2076.3	2112.8	2175.6	2253.0	2343.8	2372.3	2434.0	2436.2	2228.8
17.5°	1937.1	1942.5	1957.0	1991.9	2060.7	2156.3	2262.1	2303.0	2375.5	2416.9	2188.5
20°	1867.8	1873.2	1872.7	1892.0	1953.8	2055.9	2180.5	2229.4	2317.5	2397.0	2152.5
22.5°	1854.4	1854.4	1840.4	1837.8	1874.3	1959.7	2095.6	2155.2	2265.4	2388.4	2127.3
25°	1902.2	1900.1	1865.1	1836.7	1838.3	1889.3	2013.4	2084.3	2221.3	2394.3	2113.9
27.5°	2003.2	2000.5	1956.5	1902.2	1858.7	1858.2	1951.1	2027.4	2186.4	2422.2	2119.2
30°	2142.9	2141.8	2094.0	2025.8	1946.8	1874.3	1929.6	1998.9	2163.8	2472.7	2131.6
32.5°	2295.4	2293.8	2257.8	2185.9	2085.9	1946.8	1952.2	2010.2	2170.3	2539.9	2161.7
35°	2457.1	2454.5	2438.9	2376.0	2265.9	2080.6	2026.3	2071.4	2211.1	2640.3	2220.8
37.5°	2632.3	2635.0	2646.2	2586.1	2470.6	2268.0	2150.4	2181.0	2293.3	2776.8	2316.9
40°	2890.7	2890.1	2893.9	2814.9	2703.7	2497.4	2323.9	2333.6	2430.8	2957.8	2463.0
42.5°	3359.6	3326.9	3227.5	3066.3	2954.6	2759.6	2542.6	2532.3	2599.0	3181.8	2667.7
45°	3989.8	3919.9	3662.1	3353.2	3210.3	3055.0	2811.7	2778.9	2821.4	3451.0	2920.2
47.5°	4531.8	4459.3	4094.5	3651.9	3481.6	3335.5	3127.0	3067.9	3081.9	3752.3	3240.4
50°	4716.1	4680.6	4362.0	3911.9	3744.3	3688.4	3492.9	3420.9	3401.0	4101.0	3611.6
52.5°	4652.1	4649.4	4437.2	4080.5	3984.9	4053.7	3953.2	3870.0	3796.9	4468.4	3989.2
55°	4549.5	4563.0	4467.9	4228.3	4225.1	4387.3	4582.8	4513.5	4301.9	4867.5	4314.8
57.5°	4266.4	4323.9	4450.7	4507.6	4639.8	4805.8	5107.1	5148.0	4897.6	5173.2	4585.0
60°	3461.7	3587.9	4002.7	4547.9	5174.3	5587.9	5740.0	5774.9	5386.5	5427.3	4949.7
62.5°	2457.1	2586.1	3112.0	4034.4	5182.3	6615.6	6682.7	6545.7	5924.7	5803.9	5578.8
65°	1304.3	1403.7	1833.5	2912.1	4493.1	6854.1	8331.4	7923.1	6874.5	6544.7	6391.6
67.5°	667.2	697.3	868.1	1425.2	3088.9	6088.1	9809.2	10096.6	8511.4	7279.6	6352.4
69°	590.4	608.1	721.5	1030.3	1978.0	5156.6	9881.2	10842.8	9368.2	7218.3	5772.7
70°	571.6	587.2	690.3	932.6	1546.1	4324.4	9605.6	10777.3	9587.4	6985.2	5339.7
72.5°	485.1	498.5	614.6	824.1	1256.5	2146.6	7802.8	9132.4	8603.2	5818.9	3865.1
75°	324.5	368.5	589.8	772.5	1168.9	1219.4	5144.2	6599.5	6130.5	3924.8	2013.4
77.5°	77.9	83.8	166.5	614.6	1069.0	1073.3	2645.7	4102.6	3346.2	1398.9	476.0
80°	41.9	40.3	46.7	121.9	995.4	1007.2	1191.0	1991.4	1194.7	232.1	156.9
82.5°	29.5	27.9	30.1	51.0	313.2	917.5	861.7	901.4	495.3	89.2	70.4
85°	10.7	10.2	16.7	46.2	98.3	527.5	885.3	743.5	401.3	40.8	51.6
87.5°	3.8	3.2	6.4	25.2	30.1	224.5	546.3	561.9	157.9	24.7	24.2
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°	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7	2472.7
2.5°	2450.7	2417.4	2356.1	2293.3	2235.3	2165.4	2130.5	2096.1	2081.6	2076.3	2051.0
5°	2379.8	2323.4	2193.4	2062.8	1942.5	1814.7	1730.3	1662.6	1622.9	1603.5	1572.9
7.5°	2289.0	2196.6	1999.4	1798.0	1610.5	1425.7	1288.7	1183.4	1110.9	1076.0	1044.3
10°	2200.9	2077.9	1797.5	1523.0	1268.3	1023.4	834.3	697.3	609.7	569.4	543.6
12.5°	2121.9	1962.4	1602.5	1254.9	935.3	648.4	456.1	347.0	292.8	274.0	264.8
15°	2051.6	1856.0	1418.2	1000.3	633.4	370.7	249.3	212.2	203.6	203.6	202.5
17.5°	1984.9	1751.8	1240.4	761.2	397.5	226.7	189.6	184.8	184.8	186.9	186.9
20°	1921.0	1652.4	1068.5	546.3	250.3	180.0	171.4	170.3	171.4	174.1	174.1
22.5°	1866.2	1562.2	907.9	375.0	185.9	162.2	157.9	156.3	156.9	158.5	159.5
25°	1825.4	1485.9	756.4	254.1	160.1	147.7	142.9	140.2	138.1	138.1	139.1
27.5°	1799.6	1421.4	609.7	184.8	144.0	134.3	126.8	122.5	117.6	115.0	116.0
30°	1780.8	1360.2	472.2	151.0	128.9	119.3	109.6	102.6	95.6	92.4	93.5
32.5°	1773.8	1310.8	352.9	133.2	115.5	104.8	92.9	83.8	76.3	73.6	74.1
35°	1792.6	1271.5	258.4	120.3	104.8	91.3	77.9	67.7	61.8	60.2	60.7
37.5°	1842.0	1250.6	193.4	109.6	95.1	80.0	65.0	55.3	51.6	51.6	52.1
40°	1935.5	1250.1	155.2	102.1	86.5	69.3	53.7	46.7	44.6	45.7	46.2
42.5°	2072.0	1278.5	135.4	95.1	79.0	59.1	44.6	39.8	39.2	40.3	40.8
45°	2258.4	1330.6	124.6	89.2	70.9	49.4	37.6	34.4	34.4	36.0	36.5
47.5°	2486.7	1406.9	115.5	83.3	62.9	41.4	32.2	30.1	30.6	32.2	32.8
50°	2761.7	1503.1	106.4	76.8	56.9	34.4	27.9	26.3	26.9	29.0	29.5
52.5°	3074.9	1632.5	98.8	70.9	49.4	28.5	23.6	22.6	23.6	25.8	26.3
55°	3343.5	1748.6	89.7	66.1	39.8	23.6	19.3	19.3	20.4	23.1	23.6
57.5°	3601.9	1870.0	81.7	56.9	31.2	18.8	16.1	16.7	18.3	21.0	21.5
60°	3981.2	2075.7	72.0	47.8	23.6	15.0	13.4	14.0	16.1	18.8	19.3
62.5°	4625.3	2388.9	62.3	39.8	18.3	11.8	10.7	11.8	14.5	17.7	18.3
65°	5206.5	2516.2	51.0	33.3	14.0	9.1	9.1	10.7	14.0	17.2	17.7
67.5°	4882.6	2118.2	39.8	26.3	10.7	7.0	7.5	10.2	13.4	17.2	17.7
69°	4318.0	1731.9	33.8	21.0	9.1	6.4	7.0	10.2	13.4	16.7	17.2
70°	3878.0	1462.3	30.1	17.7	8.1	6.4	7.0	9.7	13.4	16.7	17.2
72.5°	2597.3	789.7	24.2	12.9	7.5	5.9	5.9	9.7	12.9	16.1	16.7
75°	1116.3	218.1	19.3	9.1	6.4	5.4	5.4	9.1	12.4	15.6	16.7
77.5°	204.1	55.3	15.6	8.1	6.4	5.4	4.8	8.6	11.8	15.0	15.6
80°	81.1	27.4	12.4	7.0	5.9	4.8	4.3	8.1	11.3	14.5	15.0
82.5°	48.9	15.6	10.2	6.4	5.9	4.3	3.8	7.0	10.7	14.0	14.5
85°	39.8	10.7	8.1	6.4	5.4	4.3	3.2	6.4	9.7	13.4	14.0
87.5°	19.3	7.5	7.5	5.9	5.4	4.3	3.2	5.9	9.1	12.9	13.4
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)