

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: P200600

Luminaire Tested: **GPC-AF-02-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24286)
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-SL2-8030
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9931 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

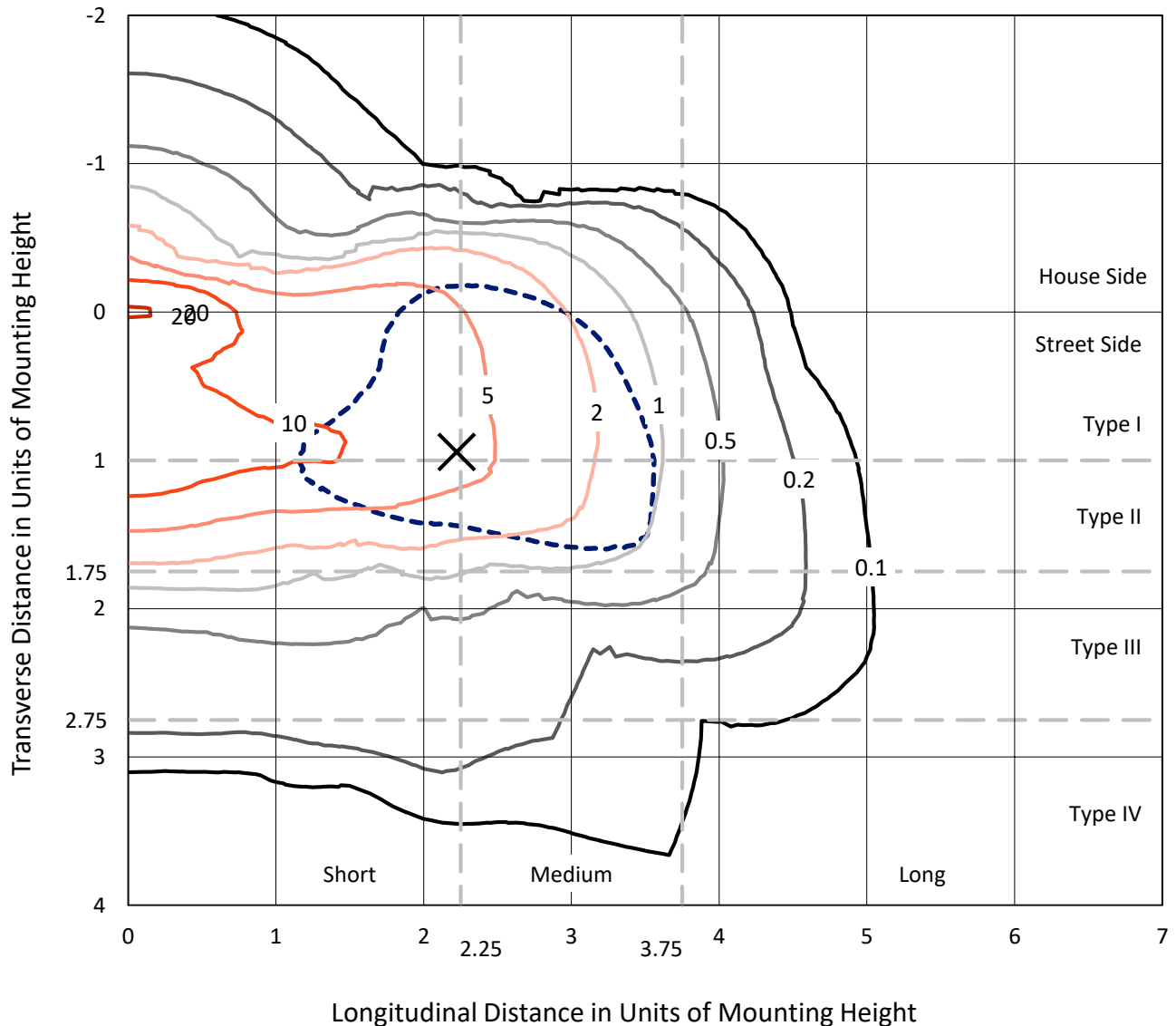
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

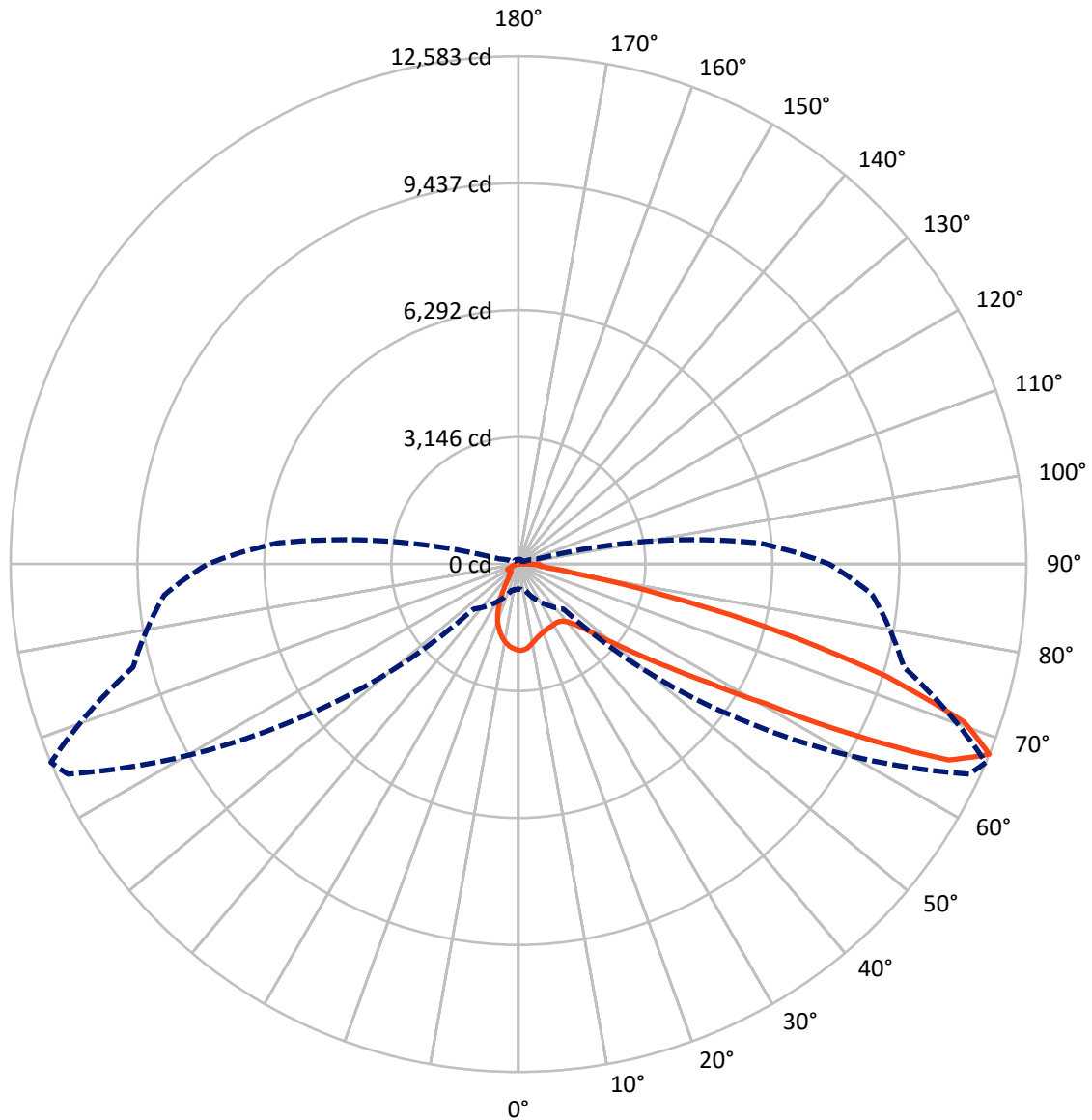
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1645.5	0.0	1645.5
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	8285.5	0.0	8285.5
	% Fixture	83.4	0.0	83.4
Total	Lumens	9931.0	0.0	9931.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	1.8
10°-20°	422.9	4.3
20°-30°	573.2	5.8
30°-40°	814.9	8.2
40°-50°	1363.3	13.7
50°-60°	2156.7	21.7
60°-70°	2747.4	27.7
70°-80°	1439.1	14.5
80°-90°	230.8	2.3
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°	9931.0	100.0
0°-180°	9931.0	100.0



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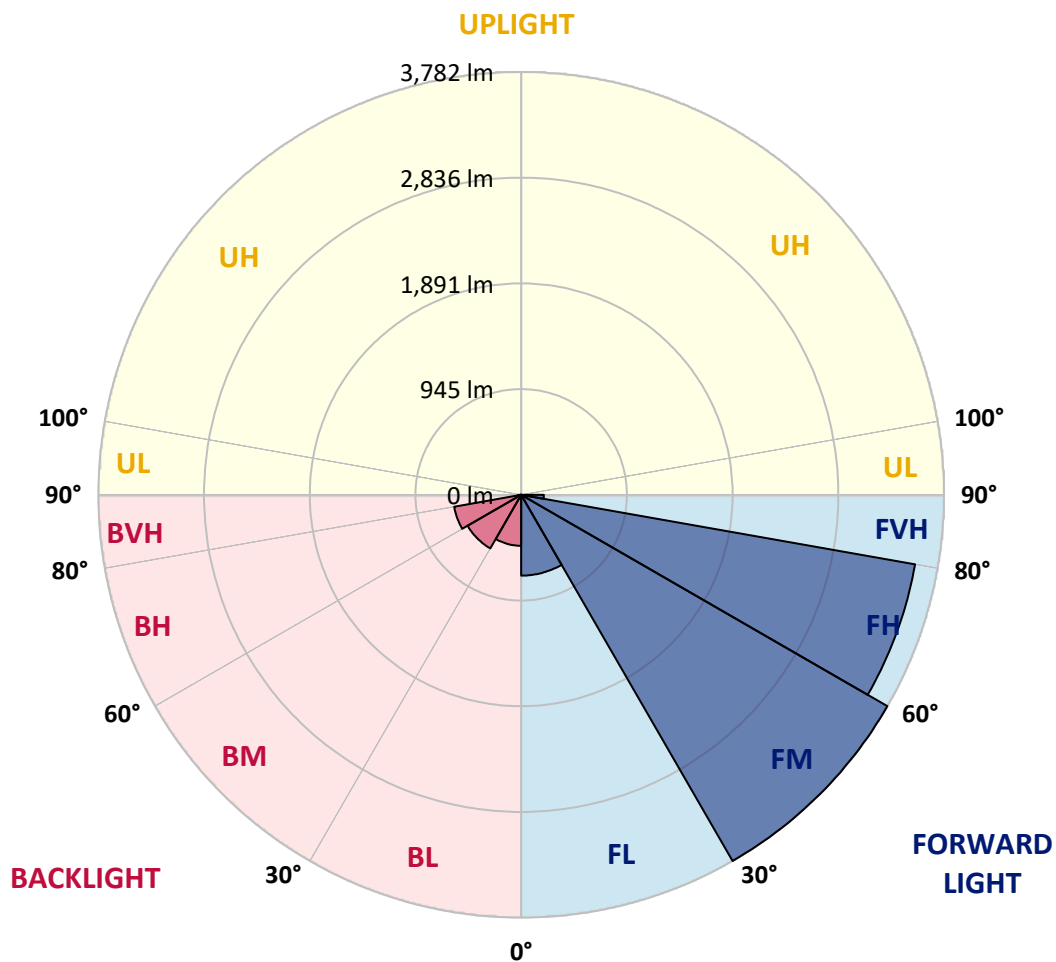
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	722.7	7.3			
FM	(30°-60°)	3781.9	38.1			
FH	(60°-80°)	3577.9	36.0			G2/5000
FVH	(80°-90°)	203.0	2.0			G2/225
BL	(0°-30°)	456.1	4.6	B1/500		
BM	(30°-60°)	552.9	5.6	B1/1000		
BH	(60°-80°)	608.6	6.1	B2/1000		G2/1000
BVH	(80°-90°)	27.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1
2.5°	2053.9	2057.4	2068.1	2075.0	2105.9	2119.1	2128.4	2137.7	2139.2	2143.6	2139.2
5°	1838.5	1845.8	1865.9	1888.4	1948.2	1995.2	2044.6	2096.1	2105.4	2138.7	2148.0
7.5°	1671.5	1669.5	1686.2	1713.1	1774.3	1839.4	1926.1	2028.5	2048.6	2123.5	2159.7
10°	1549.5	1548.0	1565.7	1593.6	1651.9	1713.6	1811.5	1951.6	1980.0	2099.5	2171.0
12.5°	1459.4	1459.9	1477.5	1508.4	1567.6	1629.8	1729.2	1877.1	1913.4	2071.6	2182.7
15°	1399.7	1403.6	1417.8	1450.6	1508.4	1570.6	1668.0	1821.3	1862.0	2049.5	2196.0
17.5°	1379.6	1385.9	1390.8	1414.8	1464.3	1526.5	1622.0	1780.2	1823.3	2034.4	2207.7
20°	1398.2	1405.5	1396.2	1404.6	1435.9	1490.7	1585.8	1747.9	1791.9	2017.2	2209.2
22.5°	1478.0	1484.9	1457.4	1433.4	1431.5	1464.8	1555.9	1722.4	1767.9	2004.5	2209.7
25°	1618.6	1623.0	1576.9	1521.1	1466.8	1455.5	1534.8	1704.8	1753.2	1993.2	2200.4
27.5°	1791.0	1794.4	1741.5	1659.2	1550.0	1477.5	1527.5	1694.5	1744.9	1983.4	2184.7
30°	2000.6	2016.7	1945.7	1841.9	1682.7	1542.7	1542.2	1689.1	1735.6	1966.8	2153.8
32.5°	2215.1	2221.9	2172.9	2067.7	1861.5	1657.3	1583.3	1693.0	1733.2	1946.7	2114.7
35°	2432.5	2441.3	2409.5	2324.8	2105.9	1825.2	1663.6	1716.0	1748.3	1939.8	2087.2
37.5°	2714.1	2725.9	2681.8	2583.8	2403.1	2053.0	1797.3	1773.8	1794.9	1959.4	2078.9
40°	3159.3	3153.9	3025.1	2879.1	2728.3	2344.4	1988.3	1871.8	1884.0	2022.6	2104.4
42.5°	3677.4	3664.2	3442.3	3213.1	3085.8	2697.0	2241.0	2041.7	2039.2	2147.0	2194.0
45°	4090.7	4080.0	3880.2	3597.6	3495.7	3098.5	2567.7	2294.9	2276.8	2344.4	2359.5
47.5°	4314.5	4315.0	4200.0	3969.3	3966.8	3608.8	2987.4	2661.2	2629.9	2661.7	2645.5
50°	4236.2	4246.5	4234.2	4160.8	4396.8	4277.8	3535.4	3172.0	3108.8	3140.2	3078.0
52.5°	3857.1	3870.4	3942.8	4055.5	4577.5	5086.4	4340.5	3806.7	3733.2	3722.0	3652.9
55°	3185.2	3201.4	3349.3	3655.4	4427.2	5629.5	5610.9	4615.7	4498.7	4392.4	4363.0
57.5°	2195.5	2222.4	2460.4	2914.9	3940.9	5793.5	7123.7	5769.1	5531.0	5159.8	5166.7
60°	1237.6	1268.9	1549.5	1962.4	2959.5	5615.3	8274.5	7515.9	7013.5	6058.5	6109.4
62.5°	787.0	820.8	1033.8	1363.4	1775.8	4655.4	8746.1	9944.5	9306.4	7166.3	7216.2
65°	637.1	651.8	752.2	1125.4	1289.5	2804.7	8388.1	11945.1	11707.1	8572.3	8339.2
67.5°	622.0	626.9	678.8	944.7	1236.6	1576.5	6690.7	12319.2	12583.2	9885.3	8806.9
70°	614.6	631.8	765.0	901.6	1184.2	1329.6	4020.7	11293.7	11710.5	10228.6	8184.4
72.5°	298.2	297.3	384.9	815.4	1334.0	1379.1	2065.7	9137.9	9556.2	8861.7	6725.5
75°	240.5	219.9	210.1	298.7	1282.6	1424.1	1316.4	6287.7	6590.3	5941.4	4134.3
77.5°	228.2	203.7	186.6	187.1	542.1	1510.3	1115.1	3480.0	3568.2	2683.7	1132.8
80°	189.0	166.5	154.3	173.9	262.5	1438.3	1205.7	1575.0	1445.2	659.2	377.1
82.5°	131.2	119.5	116.1	145.9	210.1	1025.0	1402.1	846.3	709.6	330.1	232.6
85°	83.7	71.5	79.3	106.3	163.6	473.1	1444.2	659.7	524.5	209.6	131.2
87.5°	38.7	31.3	39.2	58.8	106.8	163.1	1374.2	741.0	540.2	110.7	82.8
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°	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1	2142.1
2.5°	2143.1	2133.8	2126.4	2112.7	2097.5	2082.8	2069.6	2053.0	2048.1	2043.7	2050.5
5°	2149.9	2140.6	2113.7	2071.6	2025.0	1981.5	1937.9	1900.7	1877.6	1864.9	1872.2
7.5°	2160.2	2147.0	2091.2	2013.8	1930.0	1853.6	1774.8	1711.6	1665.1	1643.1	1649.4
10°	2169.5	2144.1	2053.0	1936.9	1814.5	1700.8	1576.5	1473.6	1397.2	1357.1	1366.8
12.5°	2173.4	2132.8	1999.6	1840.9	1672.9	1506.4	1323.3	1169.5	1059.8	1019.6	1011.3
15°	2177.4	2120.1	1940.8	1731.7	1502.0	1266.4	1009.8	825.7	734.6	714.5	710.1
17.5°	2178.3	2098.0	1874.2	1613.2	1301.7	980.9	690.5	573.5	574.0	606.3	610.2
20°	2168.0	2065.2	1793.4	1465.8	1061.7	678.3	474.1	454.0	527.9	608.7	618.5
22.5°	2144.5	2021.6	1701.8	1293.9	787.0	446.6	366.8	388.8	484.3	583.3	594.5
25°	2114.7	1968.7	1593.6	1094.6	521.1	319.3	307.6	334.5	399.1	465.2	471.6
27.5°	2074.0	1906.0	1472.1	866.3	338.4	263.0	270.8	288.9	315.4	344.8	347.7
30°	2021.6	1831.1	1342.4	631.8	255.6	236.5	247.8	257.6	268.9	285.5	287.0
32.5°	1961.4	1759.1	1209.2	436.4	226.7	222.8	231.6	236.5	245.4	255.6	256.6
35°	1910.9	1690.6	1071.0	308.5	214.5	212.5	218.4	220.4	228.7	240.0	240.9
37.5°	1882.0	1634.7	928.5	248.8	206.2	203.2	206.7	206.7	218.4	235.1	237.5
40°	1884.0	1603.9	786.0	224.8	199.3	195.4	195.9	195.9	211.1	229.2	230.7
42.5°	1937.4	1611.7	659.7	215.5	193.9	189.5	187.1	188.5	201.3	213.0	214.0
45°	2062.8	1667.1	541.2	209.6	188.5	187.1	181.7	181.2	186.1	191.5	191.5
47.5°	2268.4	1776.3	460.8	205.7	184.1	183.6	177.3	170.9	170.4	172.4	172.4
50°	2602.9	1964.3	407.0	201.3	181.2	177.3	169.9	160.1	156.7	158.2	158.2
52.5°	3104.4	2299.8	386.4	195.4	174.8	168.5	160.1	150.3	147.4	147.9	147.9
55°	3762.1	2815.0	383.5	188.5	168.0	157.7	150.8	143.5	140.1	141.0	141.0
57.5°	4565.8	3527.5	435.9	177.8	158.7	146.9	143.0	138.1	135.7	137.1	136.6
60°	5542.8	4460.0	646.4	166.5	149.4	137.1	137.1	133.2	131.2	132.7	132.2
62.5°	6668.2	5531.0	908.9	158.2	139.6	129.3	131.2	129.3	127.3	128.3	127.8
65°	7666.3	6228.9	851.2	151.8	129.8	121.9	125.4	124.4	122.9	123.9	123.4
67.5°	7695.2	5970.3	478.0	145.0	120.5	114.6	119.5	119.0	118.0	119.0	118.5
70°	6867.5	5041.3	269.4	132.2	110.7	105.8	112.6	112.1	111.2	113.1	112.6
72.5°	5502.2	3658.3	196.9	116.6	100.9	96.5	104.3	103.8	103.8	106.8	105.3
75°	3166.1	1882.5	157.2	99.9	90.6	87.2	94.0	94.5	95.5	99.4	96.5
77.5°	902.6	586.7	128.3	84.7	77.9	76.4	83.3	84.2	84.7	89.1	85.2
80°	335.5	270.3	105.8	71.0	63.7	64.2	70.5	72.0	72.5	76.9	72.0
82.5°	214.0	178.3	85.7	54.9	50.0	49.5	57.3	59.3	59.3	59.7	56.8
85°	124.9	106.8	64.6	39.7	35.3	33.8	42.6	46.0	44.6	43.6	41.6
87.5°	83.7	73.5	39.7	22.0	19.1	18.1	25.0	27.4	26.4	25.0	23.5
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)