

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: P200687

Luminaire Tested: **GPC-AF-01-LED-E1-T4FT-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24295)
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-T4FT-8030
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5218 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

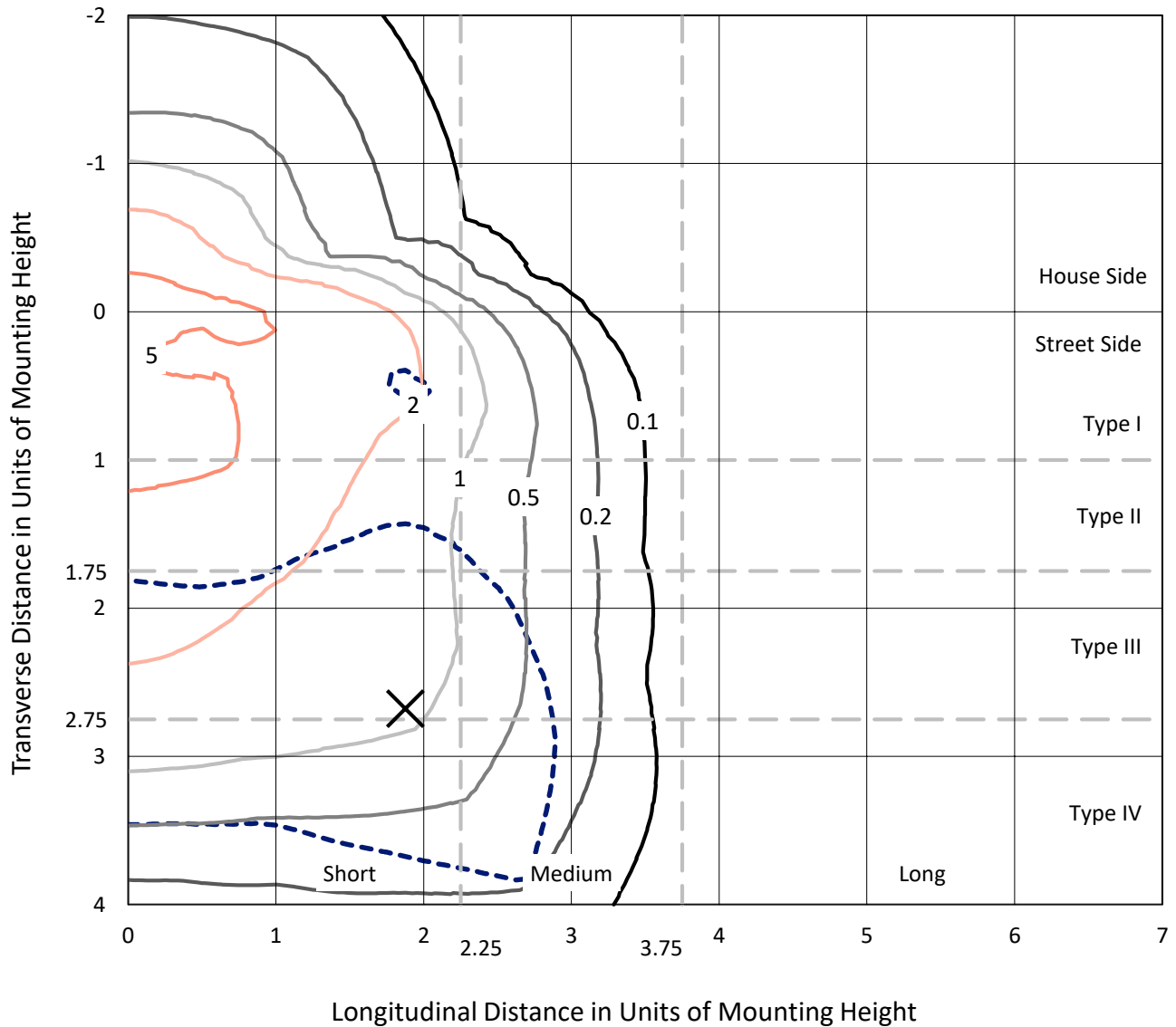
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

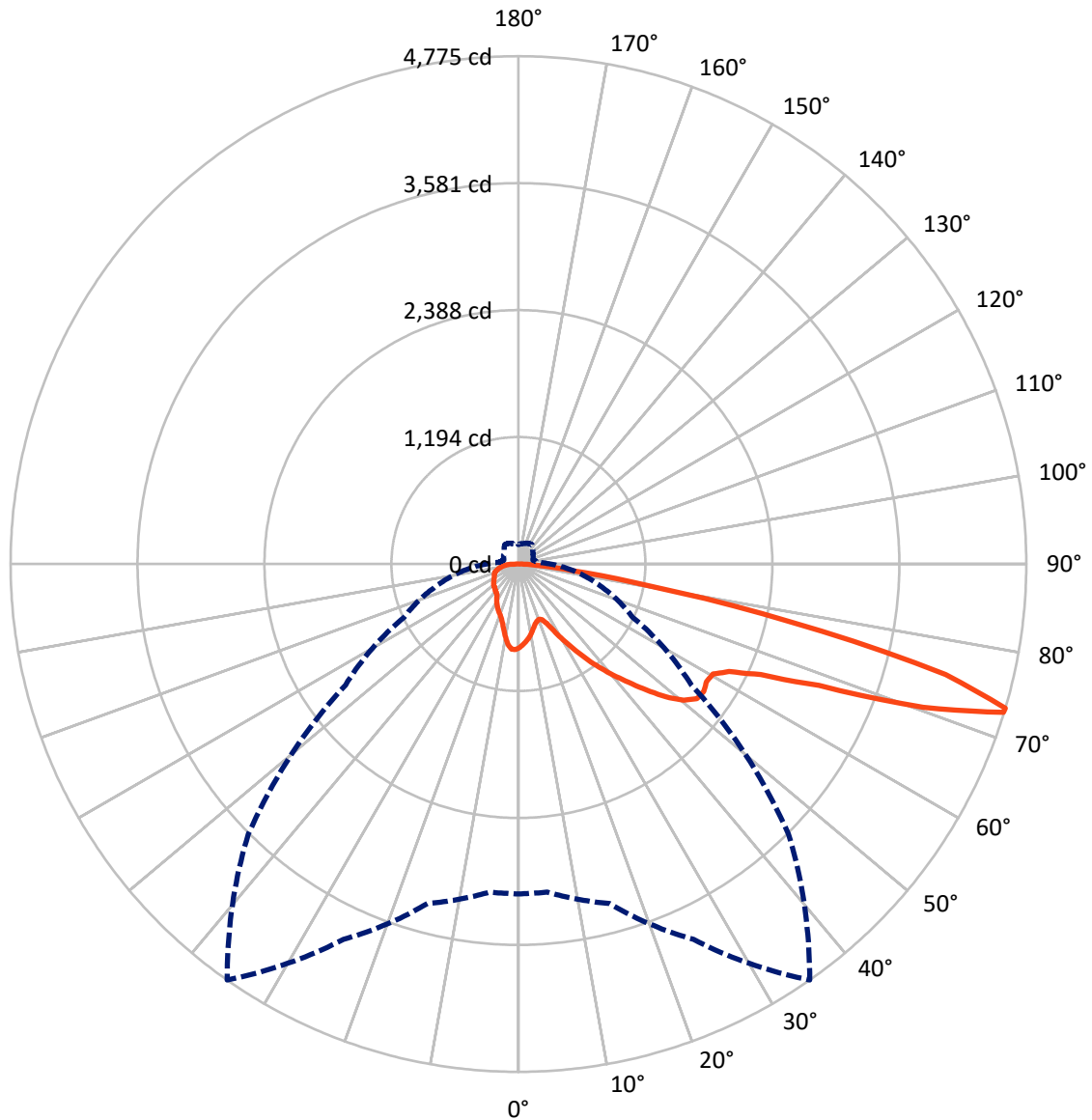
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	995.2	0.0	995.2
	% Fixture	19.1	0.0	19.1
Street Side	Lumens	4222.8	0.0	4222.8
	% Fixture	80.9	0.0	80.9
Total	Lumens	5218.0	0.0	5218.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.4
10°-20°	177.9	3.4
20°-30°	287.7	5.5
30°-40°	482.4	9.2
40°-50°	743.6	14.3
50°-60°	997.6	19.1
60°-70°	1329.0	25.5
70°-80°	1013.6	19.4
80°-90°	114.9	2.2
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°	5218.0	100.0
0°-180°	5218.0	100.0



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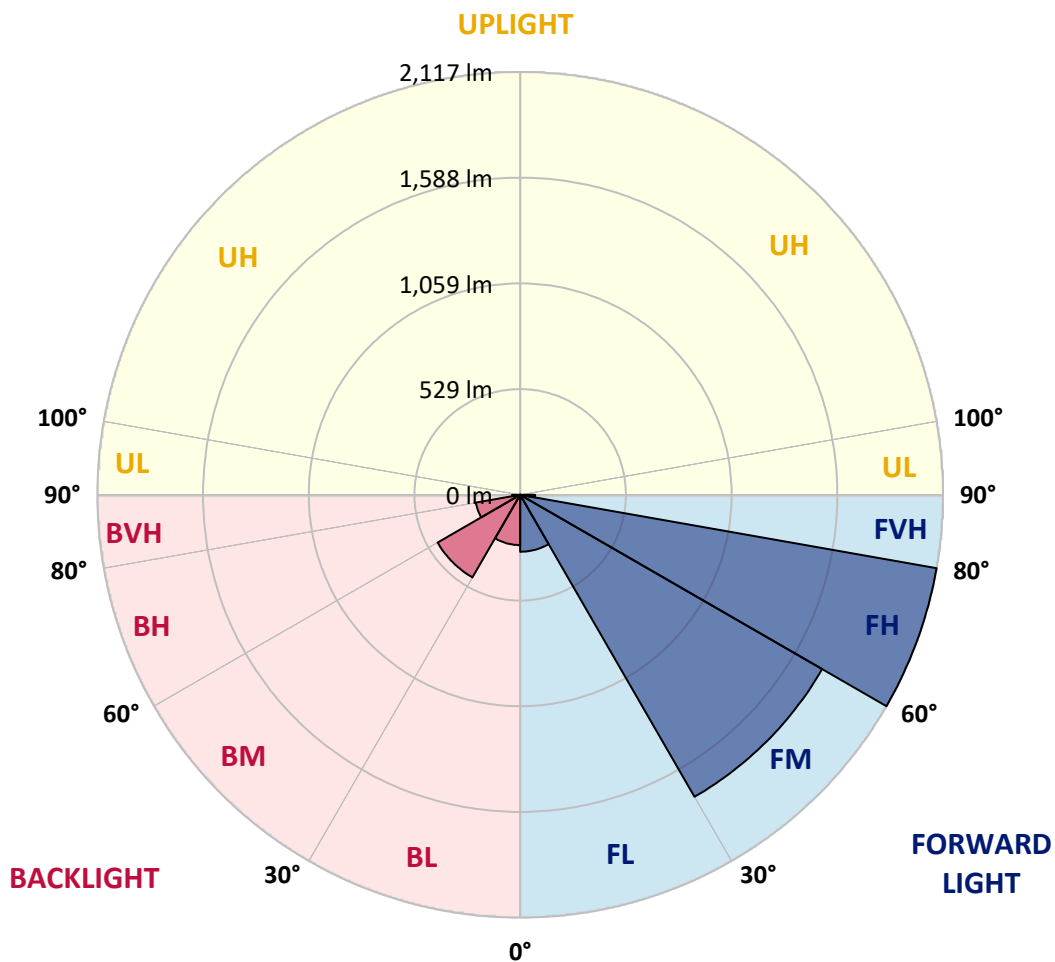
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.1	5.5			
FM	(30°-60°)	1746.0	33.5			
FH	(60°-80°)	2117.5	40.6			G2/5000
FVH	(80°-90°)	74.3	1.4			G1/100
BL	(0°-30°)	251.8	4.8	B1/500		
BM	(30°-60°)	477.6	9.2	B1/1000		
BH	(60°-80°)	225.2	4.3	B1/500		G1/500
BVH	(80°-90°)	40.6	0.8			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6
2.5°	756.5	758.0	756.2	758.5	762.3	766.3	769.0	773.0	777.5	783.8	785.3
5°	720.9	723.2	723.2	727.2	734.4	741.0	747.0	753.5	763.0	773.8	778.0
7.5°	681.8	683.1	685.3	691.3	701.9	711.1	719.7	730.2	743.2	757.5	765.0
10°	634.7	636.5	640.0	648.5	662.8	675.6	687.8	702.4	718.9	736.7	746.2
12.5°	601.4	600.9	602.4	608.6	621.2	636.7	654.5	673.0	693.3	714.1	725.7
15°	590.1	587.3	581.6	580.1	586.8	602.4	622.9	645.7	670.0	695.1	709.4
17.5°	597.1	592.4	576.6	565.0	564.0	575.8	597.6	623.2	651.2	681.8	699.6
20°	641.2	629.9	591.1	564.3	555.0	560.8	579.8	606.9	640.0	680.6	703.4
22.5°	746.7	730.2	647.7	597.9	566.6	559.5	573.8	602.6	641.2	696.1	725.2
25°	900.3	876.8	745.0	681.6	616.9	579.6	582.8	612.4	659.0	732.2	767.3
27.5°	1021.6	1006.3	872.0	799.6	708.6	633.7	612.2	637.0	695.3	791.3	827.1
30°	1093.8	1084.5	1007.8	933.4	825.6	719.9	668.3	683.1	752.2	873.3	902.8
32.5°	1177.5	1171.9	1134.4	1065.9	951.9	833.2	757.2	752.0	828.4	971.7	985.3
35°	1264.2	1262.4	1240.3	1191.2	1087.5	982.5	875.3	839.7	911.3	1074.0	1065.4
37.5°	1344.8	1341.8	1329.1	1300.5	1229.3	1142.9	995.5	929.6	1000.8	1171.7	1133.9
40°	1493.4	1469.9	1426.0	1404.5	1372.7	1277.9	1091.0	1013.6	1093.5	1264.9	1193.0
42.5°	1674.6	1636.3	1554.6	1525.0	1520.5	1384.4	1156.2	1095.0	1187.0	1357.4	1251.1
45°	1817.2	1781.1	1710.7	1673.3	1689.9	1480.9	1221.6	1182.0	1283.2	1454.3	1311.0
47.5°	1969.3	1912.6	1819.4	1830.7	1866.8	1572.1	1288.2	1275.4	1388.7	1562.8	1385.4
50°	1974.8	1931.4	1890.6	1958.0	2014.1	1656.1	1371.6	1373.4	1517.7	1699.4	1484.4
52.5°	1860.3	1851.0	1915.9	2021.9	2102.8	1722.5	1466.6	1474.6	1682.9	1856.3	1593.2
55°	1820.2	1809.7	1884.6	1999.6	2114.9	1777.3	1569.6	1584.1	1882.6	2021.6	1699.2
57.5°	1917.9	1894.6	1899.6	1989.1	2085.5	1837.5	1681.9	1711.2	2099.6	2166.2	1767.3
60°	2191.0	2141.2	2046.4	2044.2	2101.3	1927.7	1811.7	1847.5	2325.1	2235.4	1740.7
62.5°	2574.2	2524.3	2346.9	2231.4	2222.9	2076.5	1971.0	1980.5	2455.4	2141.7	1578.6
65°	2988.9	2944.3	2746.1	2582.9	2504.2	2323.1	2156.2	2039.9	2412.8	1883.8	1295.0
67.5°	3492.3	3444.4	3274.0	3123.4	3047.7	2721.0	2286.2	1983.1	2142.4	1459.4	930.9
70°	3844.3	3795.5	3728.3	3850.3	4035.5	3295.1	2303.0	1751.8	1600.2	970.0	560.3
72.5°	3385.0	3362.2	3484.8	3998.7	4770.0	3643.4	2081.8	1275.4	929.4	514.9	324.2
73°	3101.4	3096.4	3305.3	3894.7	4775.2	3589.7	1984.8	1185.5	797.1	455.5	296.4
75°	1400.5	1440.8	1898.9	2974.8	4148.8	2958.0	1397.0	680.1	450.3	314.7	223.8
77.5°	336.5	350.6	594.1	1412.7	2620.0	1762.8	633.0	336.3	287.9	222.3	163.4
80°	143.3	148.1	228.8	521.9	1233.6	709.9	291.7	225.3	199.2	155.1	114.5
82.5°	79.7	84.7	129.8	236.8	497.9	242.1	177.9	156.9	131.1	93.5	74.4
85°	45.1	47.9	75.9	132.3	211.0	97.2	106.5	104.2	73.9	48.1	36.6
87.5°	21.3	23.1	36.6	61.4	82.7	38.1	54.1	59.6	46.4	29.3	19.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6
2.5°	787.1	791.6	796.8	799.6	802.1	805.1	808.1	808.1	808.6	808.9
5°	781.5	790.8	799.1	802.6	803.3	803.3	802.6	798.6	795.1	796.6
7.5°	770.0	783.5	790.6	789.3	779.8	768.8	759.5	748.2	742.5	741.5
10°	753.5	769.0	770.3	757.7	734.2	710.6	691.1	672.0	663.0	660.8
12.5°	735.2	749.5	741.5	715.6	677.8	643.5	618.7	599.4	590.9	588.6
15°	720.4	730.2	709.9	669.3	621.7	585.3	564.8	550.5	544.5	542.7
17.5°	712.6	714.6	677.6	622.7	572.1	541.7	529.0	522.2	519.9	518.7
20°	716.4	702.4	646.7	579.3	531.5	510.2	507.2	505.4	504.9	504.2
22.5°	735.2	698.6	618.4	538.2	495.9	486.6	489.1	488.9	488.4	487.9
25°	768.8	701.9	590.9	499.1	466.1	464.1	468.6	468.6	466.6	466.6
27.5°	813.1	708.6	560.0	462.1	439.0	439.3	442.8	441.8	439.5	438.0
30°	867.2	712.9	524.0	428.7	413.7	412.7	413.7	409.4	402.7	402.2
32.5°	922.6	707.6	482.1	399.2	386.9	384.6	383.9	377.9	370.1	367.8
35°	972.7	688.3	439.5	375.6	361.3	356.3	359.8	357.8	350.8	349.1
37.5°	1009.3	652.5	401.2	354.8	343.0	341.8	344.0	344.8	336.5	334.8
40°	1033.9	603.9	368.3	337.3	339.5	334.8	327.3	322.0	319.5	318.7
42.5°	1053.7	553.3	340.8	329.0	340.3	326.5	310.2	301.7	306.2	308.2
45°	1076.5	503.9	317.7	318.7	336.5	317.0	298.4	290.2	291.9	292.4
47.5°	1107.8	443.8	292.9	302.2	324.0	310.5	291.2	279.4	271.1	267.4
50°	1151.1	372.6	267.1	283.7	311.7	305.7	279.9	267.4	252.1	248.6
52.5°	1181.2	306.2	245.8	268.1	300.7	296.2	270.9	254.6	238.5	235.5
55°	1164.9	254.3	227.3	250.8	286.2	284.4	263.4	241.6	229.0	226.5
57.5°	1083.5	221.5	213.0	234.5	268.4	274.4	253.3	230.5	221.5	219.8
60°	928.1	201.0	204.0	223.5	253.8	264.4	243.3	224.5	218.5	217.2
62.5°	720.2	187.2	197.2	215.5	242.6	257.3	237.8	223.8	221.5	220.0
65°	515.9	176.2	189.9	207.5	232.3	250.8	235.8	222.8	223.3	222.0
67.5°	350.6	166.4	181.2	198.5	222.3	245.1	233.0	219.3	225.5	224.0
70°	245.3	156.9	170.9	186.9	209.7	237.0	228.0	214.0	213.5	207.5
72.5°	191.4	144.3	156.9	170.9	193.7	225.8	218.0	202.2	193.9	187.7
73°	182.7	141.3	153.4	167.4	190.2	223.0	215.2	199.0	189.7	183.9
75°	151.1	128.3	139.3	151.8	175.2	210.0	201.7	184.2	172.4	168.9
77.5°	118.8	109.8	120.3	131.6	154.4	190.9	181.7	164.9	158.4	155.4
80°	88.0	91.0	100.2	110.3	133.8	170.6	162.4	145.6	174.7	167.4
82.5°	61.9	68.9	77.4	86.4	112.3	150.8	140.8	123.5	127.8	106.2
85°	36.6	45.1	53.1	60.9	80.9	125.0	116.3	98.5	80.7	76.9
87.5°	21.3	25.1	27.3	35.3	55.6	94.2	81.9	72.9	41.8	28.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)