

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: P269062

Luminaire Tested: **GLEON-AF-02-LED-E1-RW-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLEON-AF-02-LED-E1-RW-7027-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7125.5 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

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

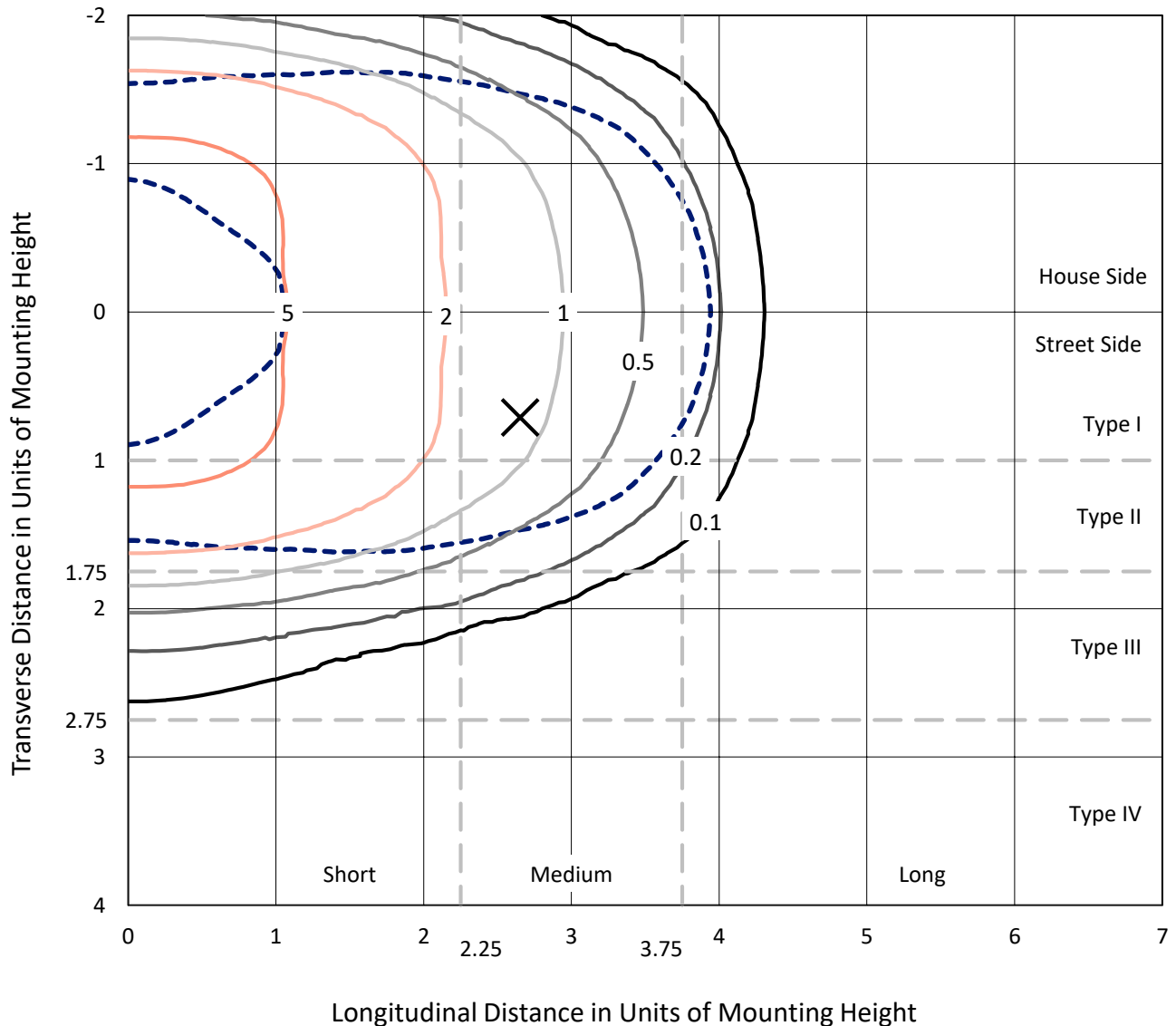


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Iso-Footcandle Lines of Horizontal Illumination

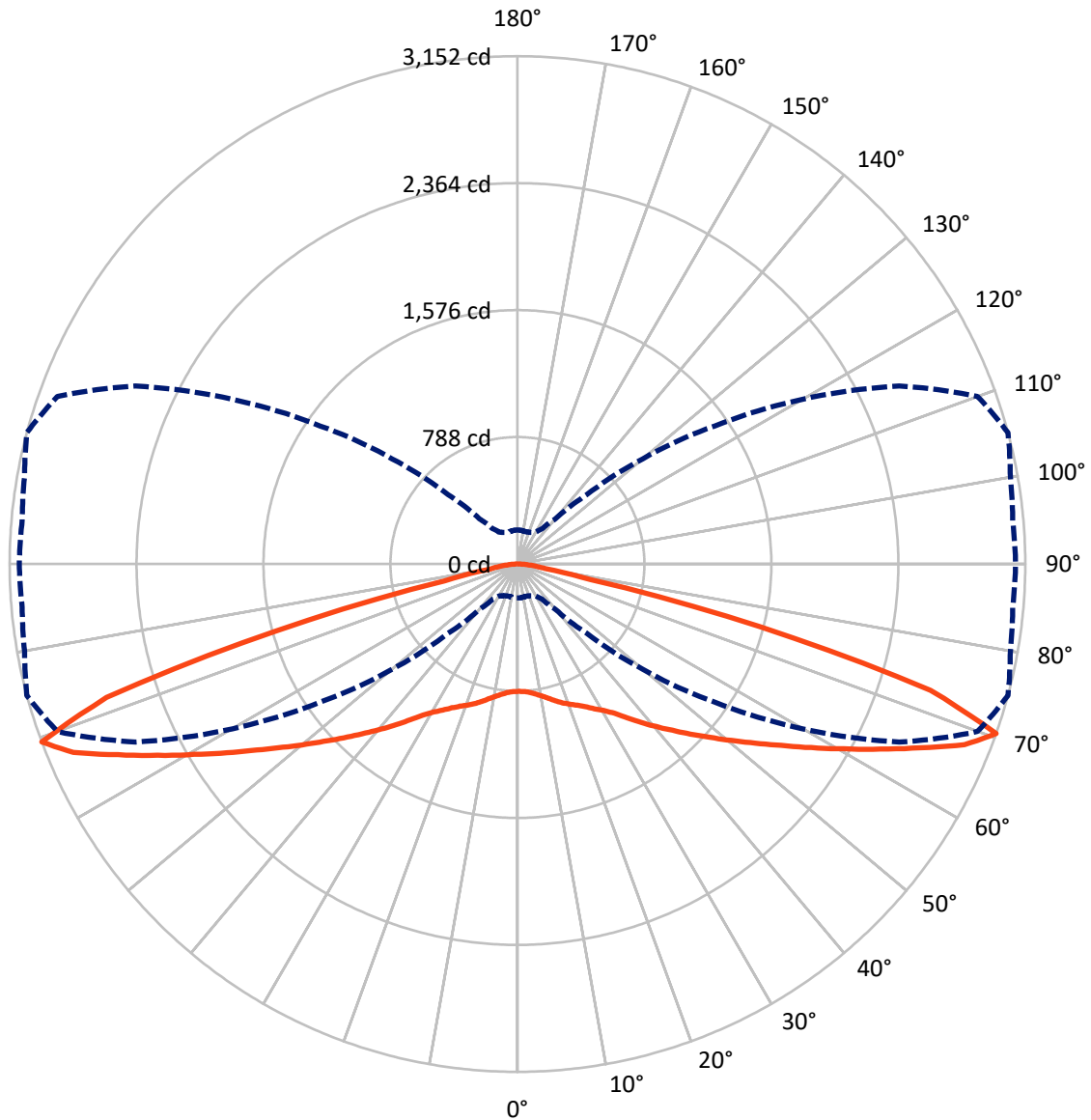
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3562.8	0.0	3562.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3562.8	0.0	3562.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7125.5	0.0	7125.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.1
10°-20°	235.5	3.3
20°-30°	443.3	6.2
30°-40°	785.0	11.0
40°-50°	1312.8	18.4
50°-60°	1829.4	25.7
60°-70°	1696.5	23.8
70°-80°	676.1	9.5
80°-90°	71.1	1.0
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°	7125.5	100.0
0°-180°	7125.5	100.0



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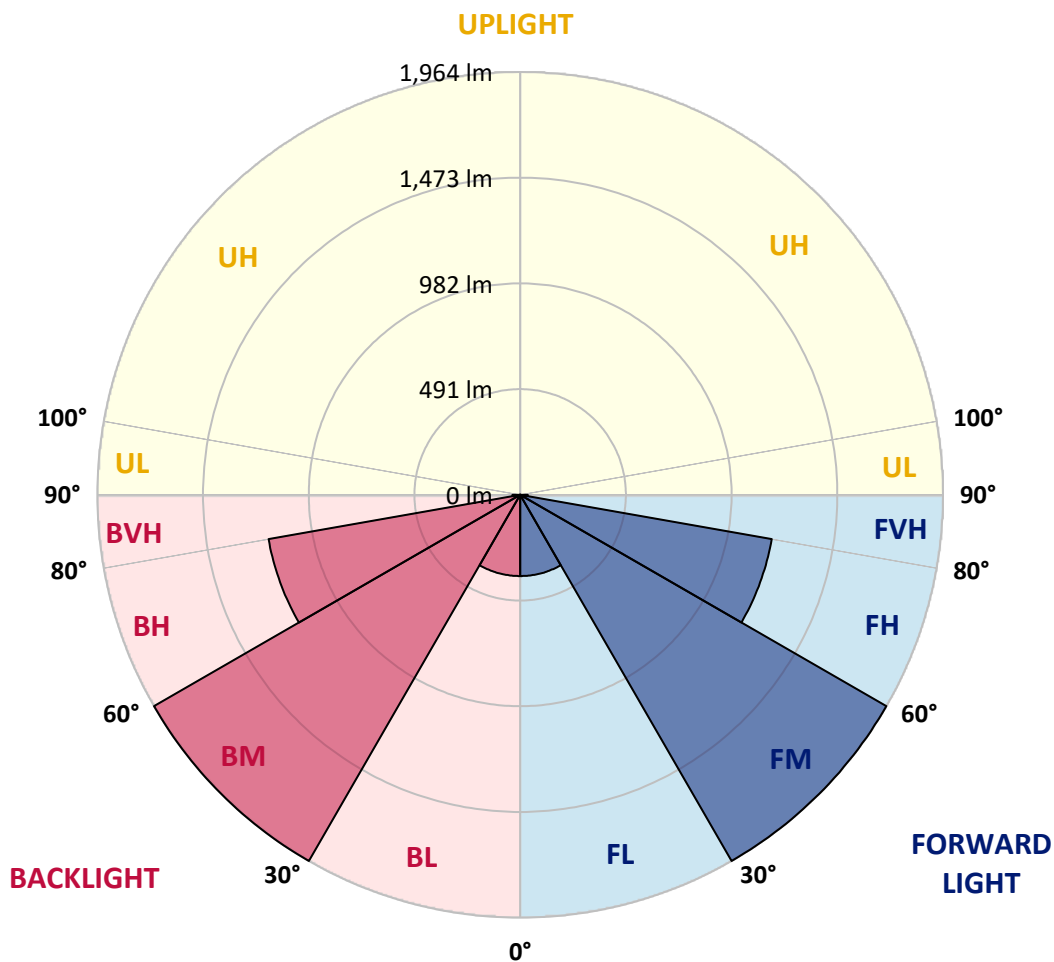
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.3	5.3			
FM	(30°-60°)	1963.6	27.6			
FH	(60°-80°)	1186.3	16.6			G1/1800
FVH	(80°-90°)	35.5	0.5			G1/100
BL	(0°-30°)	377.3	5.3	B1/500		
BM	(30°-60°)	1963.6	27.6	B2/2500		
BH	(60°-80°)	1186.3	16.6	B3/2500		G3/2500
BVH	(80°-90°)	35.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4
2.5°	789.0	788.4	789.0	788.7	789.4	789.4	790.1	791.3	791.3	792.5	792.0
5°	781.3	780.9	782.0	783.1	784.0	785.9	788.1	791.0	793.5	795.1	796.7
7.5°	766.2	766.2	767.5	769.8	772.3	776.6	781.3	787.4	793.5	798.5	802.8
10°	753.7	754.3	756.1	760.1	764.1	770.8	777.3	785.9	794.5	802.8	809.6
12.5°	746.3	747.3	750.4	756.4	763.1	772.3	782.0	793.1	802.5	812.5	819.3
15°	748.6	749.2	753.7	761.1	769.8	781.3	794.5	807.5	818.6	829.5	838.6
17.5°	761.8	762.8	767.8	776.2	785.4	798.9	813.0	827.8	841.6	853.7	864.8
20°	785.4	786.3	792.8	801.8	812.5	826.4	840.5	856.1	871.5	884.3	896.8
22.5°	818.6	820.3	826.4	835.6	847.6	862.5	879.4	895.8	910.6	922.4	933.5
25°	862.5	866.1	871.9	882.0	894.8	908.2	926.4	943.3	957.5	968.6	976.5
27.5°	924.4	929.4	933.9	943.6	956.1	968.9	987.1	1001.9	1015.4	1026.1	1032.2
30°	1006.6	1011.6	1016.1	1025.4	1037.0	1049.0	1066.2	1079.4	1087.8	1096.2	1095.8
32.5°	1106.3	1111.7	1113.4	1123.4	1135.3	1148.4	1163.8	1171.3	1177.9	1179.0	1172.9
35°	1217.7	1220.4	1227.2	1240.6	1254.2	1265.0	1279.7	1283.4	1283.4	1278.4	1265.0
37.5°	1340.0	1341.7	1351.1	1366.2	1380.1	1391.1	1401.3	1408.7	1404.9	1394.2	1371.6
40°	1473.9	1477.1	1490.6	1504.0	1519.6	1530.0	1540.8	1542.0	1538.3	1522.4	1491.8
42.5°	1601.9	1604.7	1618.1	1639.3	1659.6	1674.1	1684.1	1686.2	1674.4	1659.9	1621.9
45°	1712.1	1719.1	1736.8	1761.7	1791.0	1811.4	1825.3	1830.9	1820.5	1801.7	1757.5
47.5°	1799.3	1806.4	1831.4	1861.0	1897.3	1930.6	1953.5	1965.8	1962.9	1948.9	1900.8
50°	1863.4	1870.0	1897.0	1933.4	1975.8	2017.2	2056.3	2085.2	2095.3	2089.0	2044.8
52.5°	1870.7	1881.9	1913.5	1962.3	2017.6	2074.1	2129.7	2178.8	2212.3	2217.2	2184.6
55°	1767.3	1778.5	1822.2	1894.6	1976.8	2069.1	2158.0	2240.8	2306.5	2340.2	2322.9
57.5°	1523.5	1543.4	1589.6	1674.4	1795.4	1933.4	2075.2	2222.3	2356.1	2445.2	2462.4
60°	1167.5	1191.2	1237.7	1327.9	1462.6	1627.3	1816.6	2034.0	2270.1	2470.9	2590.7
62.5°	748.9	771.1	820.1	898.5	1008.3	1186.8	1389.9	1648.1	1965.3	2282.2	2567.8
65°	385.0	397.1	422.7	470.2	555.6	689.0	871.3	1128.8	1491.5	1882.5	2295.3
67.5°	243.8	246.1	252.0	258.6	280.5	326.7	411.6	572.2	870.5	1278.4	1761.7
70°	210.8	210.8	208.0	207.1	209.8	216.2	229.3	266.7	367.3	606.9	1016.1
72.5°	193.0	190.9	186.2	182.5	181.8	181.8	184.5	190.4	206.4	247.3	397.7
75°	177.9	172.0	165.6	161.3	159.5	157.9	157.7	158.6	162.0	168.4	189.9
77.5°	159.3	151.9	144.4	140.0	138.1	135.7	133.7	131.3	129.6	131.7	141.2
80°	137.0	128.6	122.9	120.3	118.1	114.9	110.4	106.4	102.8	102.0	107.7
82.5°	110.4	100.7	101.0	102.0	98.4	93.7	88.9	84.5	78.2	74.7	78.2
85°	89.2	84.3	81.8	88.3	82.9	75.7	68.5	60.6	50.6	42.4	46.2
87.5°	34.7	34.7	51.8	79.8	71.8	58.6	50.1	42.8	26.6	20.5	20.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	790.4	790.4	790.4	790.4	790.4	790.4	790.4	790.4
2.5°	791.8	792.5	792.0	791.8	791.8	791.3	791.8	791.8
5°	797.9	799.5	799.5	800.2	800.2	800.5	800.7	800.5
7.5°	806.9	809.9	812.0	814.4	814.7	815.0	815.7	815.0
10°	816.0	822.0	826.4	830.8	832.8	833.4	834.2	834.2
12.5°	827.3	835.9	843.6	851.4	855.0	857.1	857.1	858.4
15°	846.4	854.6	863.8	874.2	880.7	884.0	885.0	885.0
17.5°	873.0	880.2	888.1	898.1	906.2	910.6	911.6	911.3
20°	903.9	910.9	915.4	921.8	928.8	933.9	935.1	935.1
22.5°	939.3	943.3	943.9	945.9	951.8	958.4	961.5	962.2
25°	978.3	979.3	976.5	976.5	980.3	986.7	989.8	990.1
27.5°	1028.7	1023.8	1017.1	1014.6	1017.1	1024.4	1028.1	1029.5
30°	1091.8	1079.7	1064.2	1055.8	1054.4	1064.2	1070.9	1071.9
32.5°	1163.8	1146.3	1125.8	1108.7	1104.2	1110.3	1118.4	1118.1
35°	1249.5	1228.5	1203.5	1181.7	1171.6	1177.7	1189.1	1190.4
37.5°	1348.0	1320.8	1292.2	1264.5	1248.7	1250.4	1262.6	1266.6
40°	1458.2	1422.8	1386.9	1349.8	1327.2	1322.8	1337.7	1340.0
42.5°	1576.0	1530.6	1485.2	1439.4	1410.3	1403.6	1420.8	1419.9
45°	1701.7	1643.8	1590.5	1540.1	1505.6	1495.6	1509.7	1509.7
47.5°	1836.8	1765.3	1702.0	1644.7	1607.3	1593.0	1606.3	1607.3
50°	1979.9	1904.0	1829.7	1766.0	1721.2	1702.6	1720.3	1722.9
52.5°	2122.2	2048.6	1973.4	1900.8	1846.5	1823.9	1844.1	1852.8
55°	2266.8	2194.4	2122.7	2051.5	1987.3	1960.6	1982.2	1993.2
57.5°	2419.3	2352.3	2283.9	2212.3	2150.3	2108.9	2131.8	2146.5
60°	2598.2	2540.9	2469.8	2390.7	2328.0	2285.9	2299.1	2312.2
62.5°	2739.7	2761.7	2701.6	2609.9	2529.4	2475.5	2488.3	2502.1
65°	2671.2	2899.2	2952.8	2860.2	2748.6	2664.8	2659.4	2666.4
67.5°	2232.7	2675.6	2998.5	3086.8	2993.5	2877.0	2855.4	2866.0
70°	1493.5	2045.3	2615.0	3039.3	3152.2	3107.0	3085.8	3092.1
72.5°	717.2	1191.2	1774.2	2338.2	2681.7	2839.3	2889.8	2914.5
75°	262.3	472.8	855.0	1288.4	1555.5	1800.7	1960.6	2025.9
77.5°	158.3	190.9	273.2	411.2	465.7	521.3	499.7	510.5
80°	117.1	132.3	149.8	168.4	174.5	174.5	167.8	162.4
82.5°	82.1	91.9	100.3	110.4	113.1	108.1	88.9	70.7
85°	52.9	57.2	60.9	67.4	65.7	62.6	42.1	37.4
87.5°	24.3	27.6	28.9	32.0	30.6	29.4	20.9	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)