

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: LUMARK

Report Number: P511102

Luminaire Tested: **PRV-P-PA1A-740-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1A-740-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4348.1 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

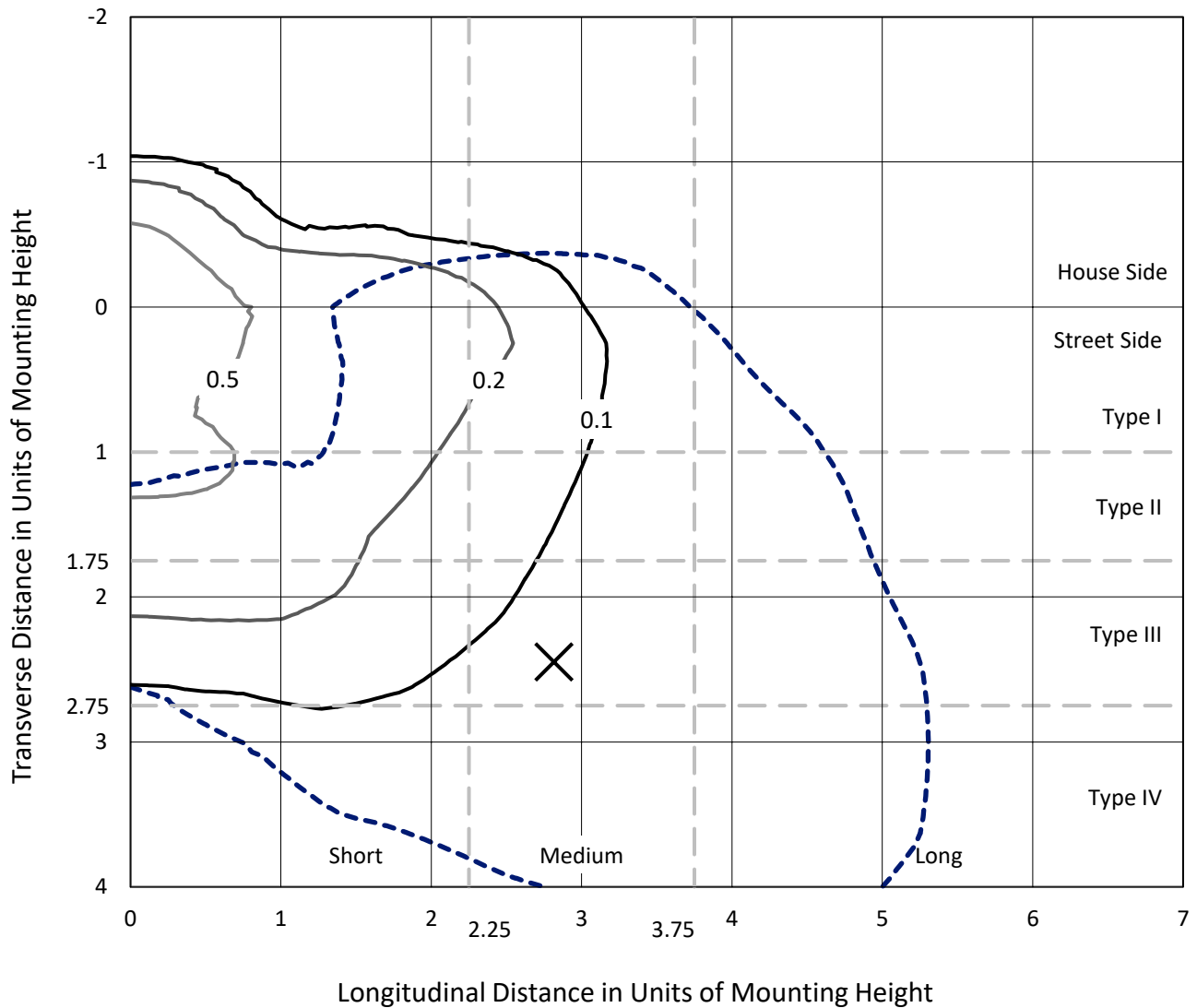
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

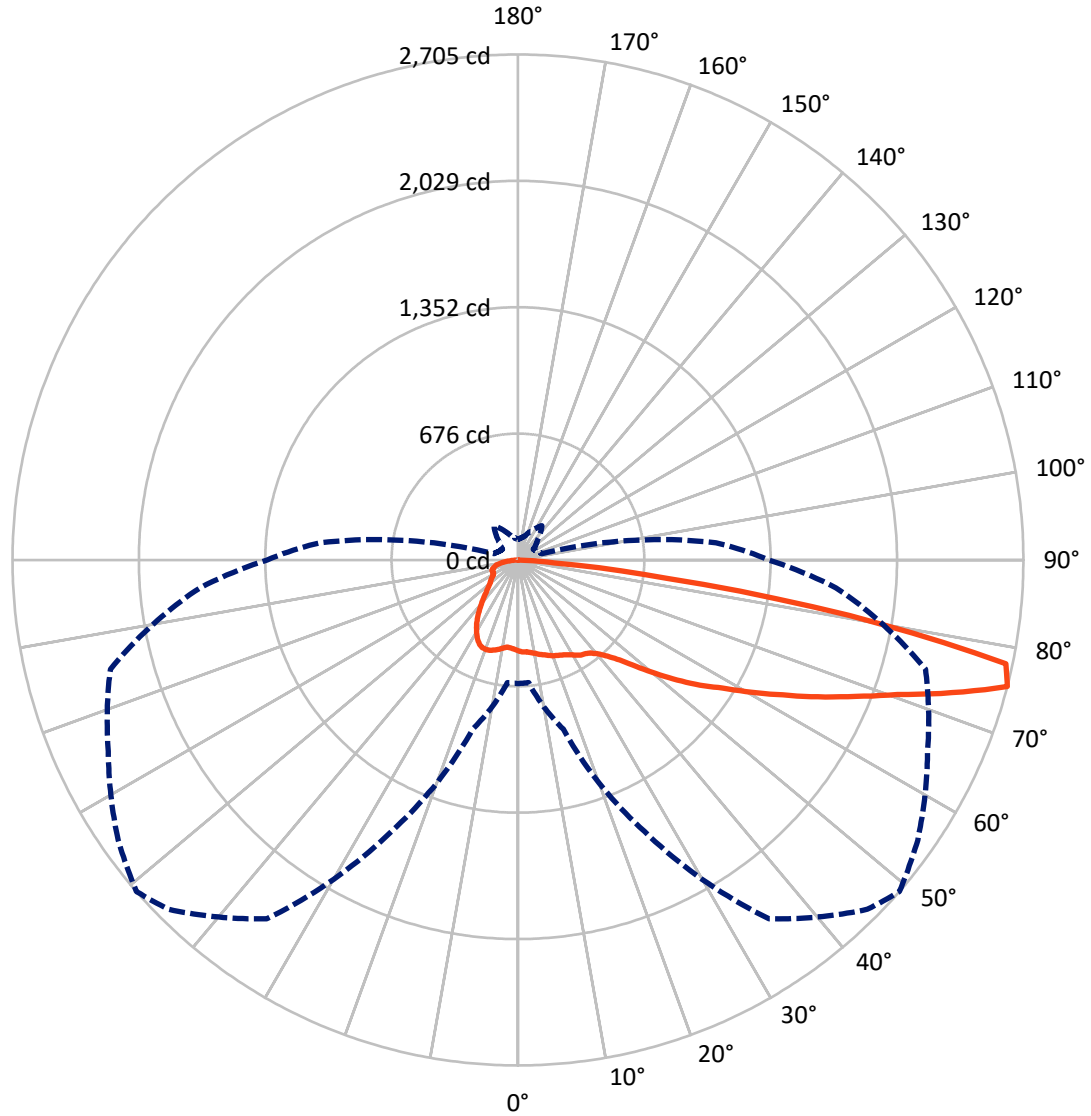
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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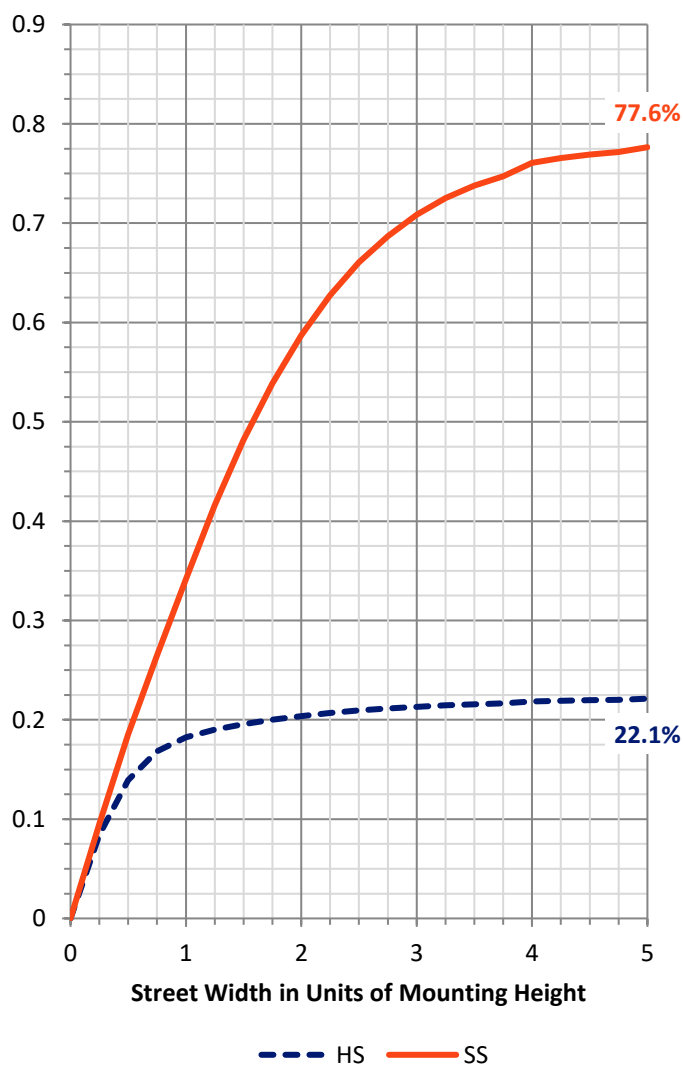
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	973.8	0.0	973.8
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	3374.2	0.0	3374.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	4348.1	0.0	4348.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	1.1
10°-20°	146.7	3.4
20°-30°	247.0	5.7
30°-40°	334.7	7.7
40°-50°	491.2	11.3
50°-60°	782.6	18.0
60°-70°	1139.9	26.2
70°-80°	1031.4	23.7
80°-90°	127.8	2.9
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°	4348.1	100.0
0°-180°	4348.1	100.0

Coefficient of Utilization

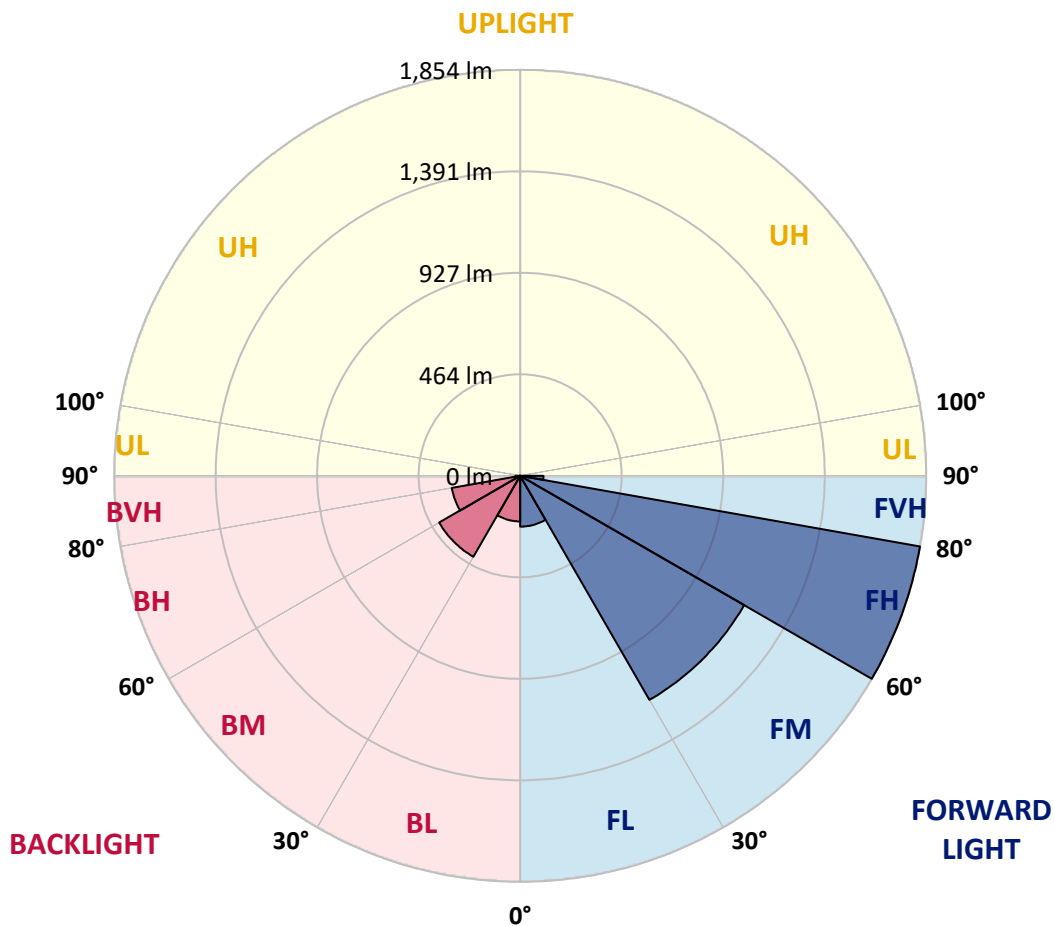


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.1	5.3			
FM (30°-60°)	1181.5	27.2			
FH (60°-80°)	1854.4	42.6			G2/5000
FVH (80°-90°)	106.3	2.4			G2/225
BL (0°-30°)	208.5	4.8	B1/500		
BM (30°-60°)	427.0	9.8	B1/1000		
BH (60°-80°)	316.9	7.3	B1/500		G1/500
BVH (80°-90°)	21.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0
2.5°	502.0	500.0	498.0	498.0	495.0	494.0	493.0	492.0	486.0	487.0	483.0
5°	518.0	515.0	513.0	511.0	505.0	496.0	493.0	492.0	482.0	476.0	473.0
7.5°	541.0	542.0	531.0	525.0	519.0	504.0	501.0	493.0	482.0	474.0	469.0
10°	565.0	562.0	553.0	542.0	530.0	513.0	508.0	501.0	492.0	481.0	475.0
12.5°	582.0	579.0	568.0	554.0	537.0	522.0	519.0	514.0	500.0	488.0	482.0
15°	592.0	595.0	582.0	562.0	543.0	532.0	526.0	523.0	511.0	498.0	487.0
17.5°	603.0	602.0	594.0	570.0	553.0	540.0	537.0	532.0	517.0	505.0	494.0
20°	608.0	612.0	605.0	578.0	558.0	546.0	547.0	543.0	529.0	514.0	502.0
22.5°	611.0	613.0	610.0	583.0	564.0	555.0	554.0	551.0	537.0	524.0	510.0
25°	610.0	611.0	616.0	584.0	570.0	563.0	563.0	559.0	548.0	536.0	522.0
27.5°	611.0	609.0	616.0	587.0	578.0	575.0	574.0	573.0	567.0	550.0	535.0
30°	607.0	613.0	615.0	591.0	590.0	589.0	590.0	591.0	584.0	566.0	550.0
32.5°	608.0	606.0	616.0	596.0	597.0	605.0	608.0	606.0	595.0	580.0	565.0
35°	624.9	629.9	631.9	605.0	604.0	609.0	616.0	614.0	611.0	600.0	591.0
37.5°	713.9	717.9	706.9	641.9	624.0	623.0	631.9	633.9	635.9	630.9	628.9
40°	852.9	847.9	845.9	721.9	658.9	651.9	659.9	669.9	672.9	675.9	680.9
42.5°	1003.9	1009.9	1010.9	834.9	740.9	698.9	702.9	715.9	732.9	736.9	758.9
45°	1139.9	1150.9	1172.9	984.9	852.9	776.9	762.9	773.9	802.9	827.9	863.9
47.5°	1235.9	1242.9	1277.9	1141.9	993.9	859.9	849.9	849.9	890.9	924.9	985.9
50°	1331.9	1327.9	1341.9	1302.9	1188.9	983.9	954.9	946.9	1000.9	1048.9	1117.9
52.5°	1404.9	1411.9	1433.9	1449.9	1355.9	1118.9	1066.9	1045.9	1114.9	1172.9	1268.9
55°	1456.9	1459.9	1509.9	1572.9	1515.9	1238.9	1181.9	1166.9	1248.9	1314.9	1441.9
57.5°	1526.9	1548.9	1605.9	1720.9	1710.9	1351.9	1292.9	1304.9	1386.9	1458.9	1636.9
60°	1655.9	1648.9	1714.9	1869.9	1814.9	1473.9	1435.9	1442.9	1525.9	1625.9	1876.8
62.5°	1711.9	1714.9	1806.9	2058.8	1958.8	1604.9	1590.9	1606.9	1685.9	1784.9	2179.8
65°	1632.9	1654.9	1859.9	2084.8	2101.8	1774.9	1764.9	1789.9	1845.9	1975.8	2430.8
67.5°	1420.9	1446.9	1779.9	2149.8	2220.8	1950.8	1946.8	1962.8	1998.8	2128.8	2599.8
70°	1311.9	1337.9	1559.9	2177.8	2316.8	2159.8	2154.8	2147.8	2171.8	2276.8	2621.8
72.5°	1122.9	1134.9	1335.9	2061.8	2403.8	2410.8	2428.8	2374.8	2334.8	2366.8	2361.8
75°	660.9	658.9	936.9	1602.9	2343.8	2643.8	2704.8	2611.8	2418.8	2257.8	1707.9
77.5°	228.0	219.0	319.0	730.9	1701.9	2557.8	2669.8	2532.8	2198.8	1785.9	950.9
80°	64.0	69.0	103.0	244.0	792.9	1577.9	1797.9	1897.8	1433.9	750.9	284.0
82.5°	29.0	30.0	54.0	100.0	293.0	773.9	801.9	679.9	485.0	190.0	70.0
85°	8.0	8.0	17.0	36.0	100.0	179.0	196.0	172.0	100.0	64.0	24.0
87.5°	1.0	1.0	1.0	2.0	3.0	5.0	4.0	11.0	9.0	8.0	4.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0
2.5°	484.0	483.0	481.0	480.0	479.0	479.0	479.0	480.0	478.0	482.0	482.0
5°	472.0	471.0	468.0	470.0	470.0	474.0	476.0	478.0	481.0	483.0	484.0
7.5°	467.0	468.0	467.0	465.0	467.0	471.0	479.0	486.0	489.0	492.0	493.0
10°	473.0	473.0	470.0	474.0	475.0	479.0	485.0	493.0	502.0	505.0	505.0
12.5°	477.0	478.0	476.0	484.0	486.0	491.0	495.0	499.0	507.0	512.0	513.0
15°	482.0	481.0	484.0	491.0	495.0	499.0	502.0	500.0	508.0	512.0	512.0
17.5°	489.0	490.0	494.0	503.0	505.0	506.0	505.0	500.0	506.0	510.0	512.0
20°	496.0	498.0	504.0	511.0	511.0	507.0	503.0	498.0	501.0	506.0	510.0
22.5°	505.0	508.0	512.0	517.0	512.0	503.0	498.0	493.0	496.0	504.0	507.0
25°	513.0	516.0	516.0	514.0	501.0	493.0	491.0	491.0	492.0	501.0	502.0
27.5°	527.0	527.0	520.0	506.0	483.0	470.0	475.0	479.0	488.0	495.0	497.0
30°	542.0	538.0	524.0	493.0	457.0	444.0	450.0	461.0	473.0	483.0	489.0
32.5°	561.0	558.0	530.0	478.0	429.0	412.0	418.0	434.0	451.0	463.0	465.0
35°	589.0	582.0	536.0	458.0	393.0	377.0	380.0	398.0	416.0	429.0	436.0
37.5°	624.9	618.0	541.0	432.0	356.0	339.0	338.0	355.0	369.0	381.0	386.0
40°	686.9	669.9	546.0	399.0	320.0	300.0	300.0	306.0	311.0	319.0	323.0
42.5°	765.9	735.9	554.0	361.0	285.0	267.0	260.0	263.0	257.0	250.0	251.0
45°	872.9	820.9	570.0	322.0	253.0	237.0	231.0	223.0	211.0	198.0	199.0
47.5°	997.9	912.9	581.0	287.0	225.0	213.0	207.0	197.0	180.0	166.0	165.0
50°	1141.9	1013.9	595.0	256.0	200.0	197.0	193.0	178.0	159.0	146.0	144.0
52.5°	1292.9	1111.9	609.0	233.0	183.0	188.0	181.0	165.0	144.0	131.0	130.0
55°	1463.9	1236.9	636.9	209.0	170.0	178.0	173.0	155.0	134.0	125.0	124.0
57.5°	1664.9	1368.9	679.9	190.0	159.0	165.0	164.0	148.0	134.0	128.0	128.0
60°	1875.8	1538.9	700.9	176.0	148.0	155.0	163.0	151.0	141.0	136.0	135.0
62.5°	2082.8	1699.9	637.9	164.0	140.0	152.0	168.0	164.0	149.0	148.0	147.0
65°	2237.8	1819.9	483.0	152.0	134.0	158.0	190.0	177.0	155.0	153.0	152.0
67.5°	2313.8	1880.8	323.0	143.0	129.0	165.0	210.0	183.0	152.0	147.0	142.0
70°	2219.8	1785.9	215.0	132.0	121.0	162.0	223.0	184.0	146.0	139.0	132.0
72.5°	1895.8	1540.9	164.0	122.0	113.0	156.0	226.0	179.0	140.0	126.0	121.0
75°	1342.9	1062.9	132.0	110.0	100.0	148.0	224.0	171.0	130.0	115.0	111.0
77.5°	683.9	477.0	103.0	95.0	85.0	139.0	215.0	140.0	98.0	85.0	83.0
80°	190.0	142.0	80.0	75.0	66.0	115.0	165.0	112.0	79.0	70.0	66.0
82.5°	66.0	60.0	55.0	48.0	47.0	93.0	142.0	91.0	58.0	43.0	42.0
85°	24.0	23.0	26.0	26.0	27.0	48.0	74.0	41.0	25.0	18.0	17.0
87.5°	3.0	3.0	4.0	3.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0
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)