

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: P511098

Luminaire Tested: **PRV-P-PA1A-740-U-T2U**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)
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-T2U
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4496 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

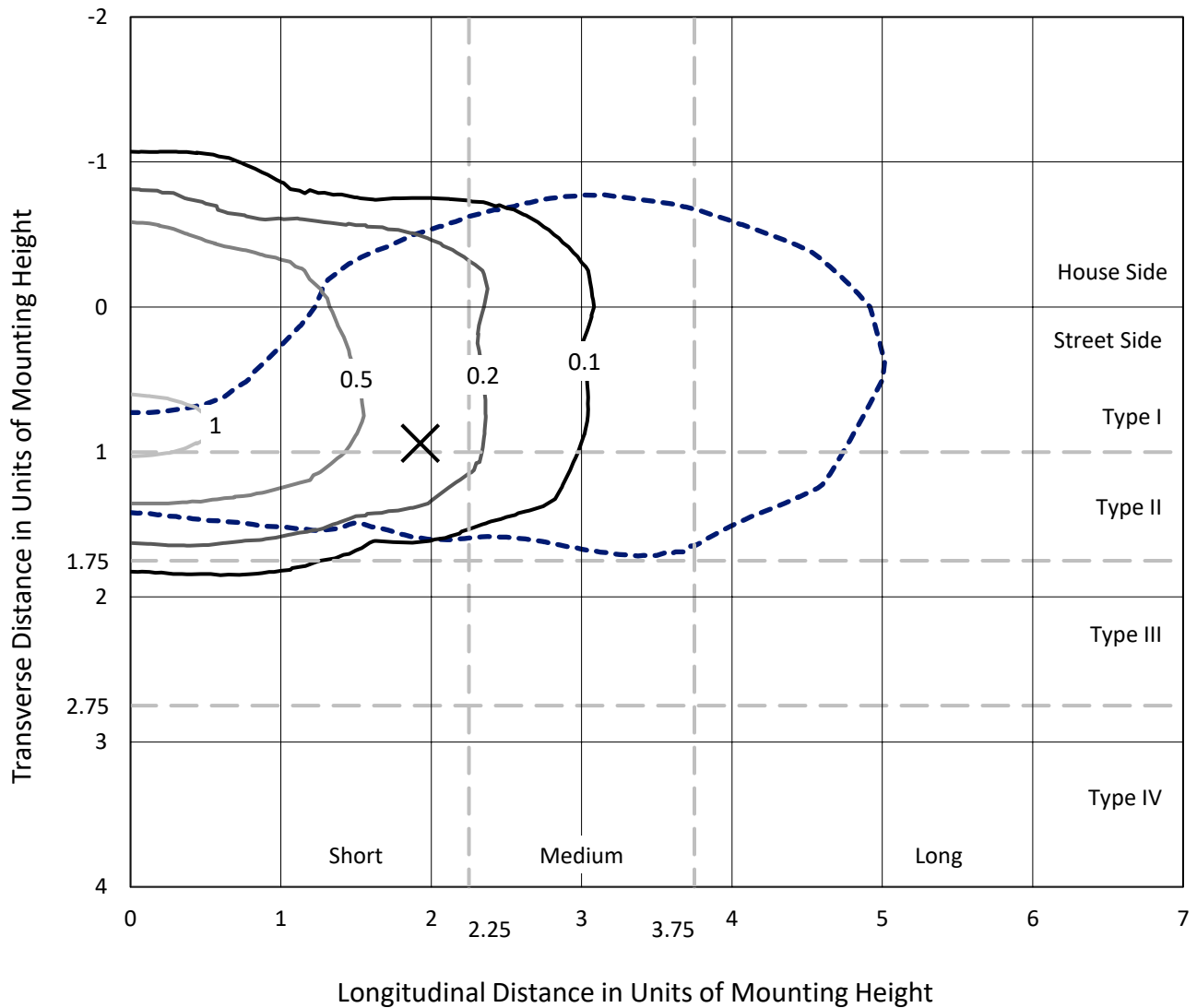
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

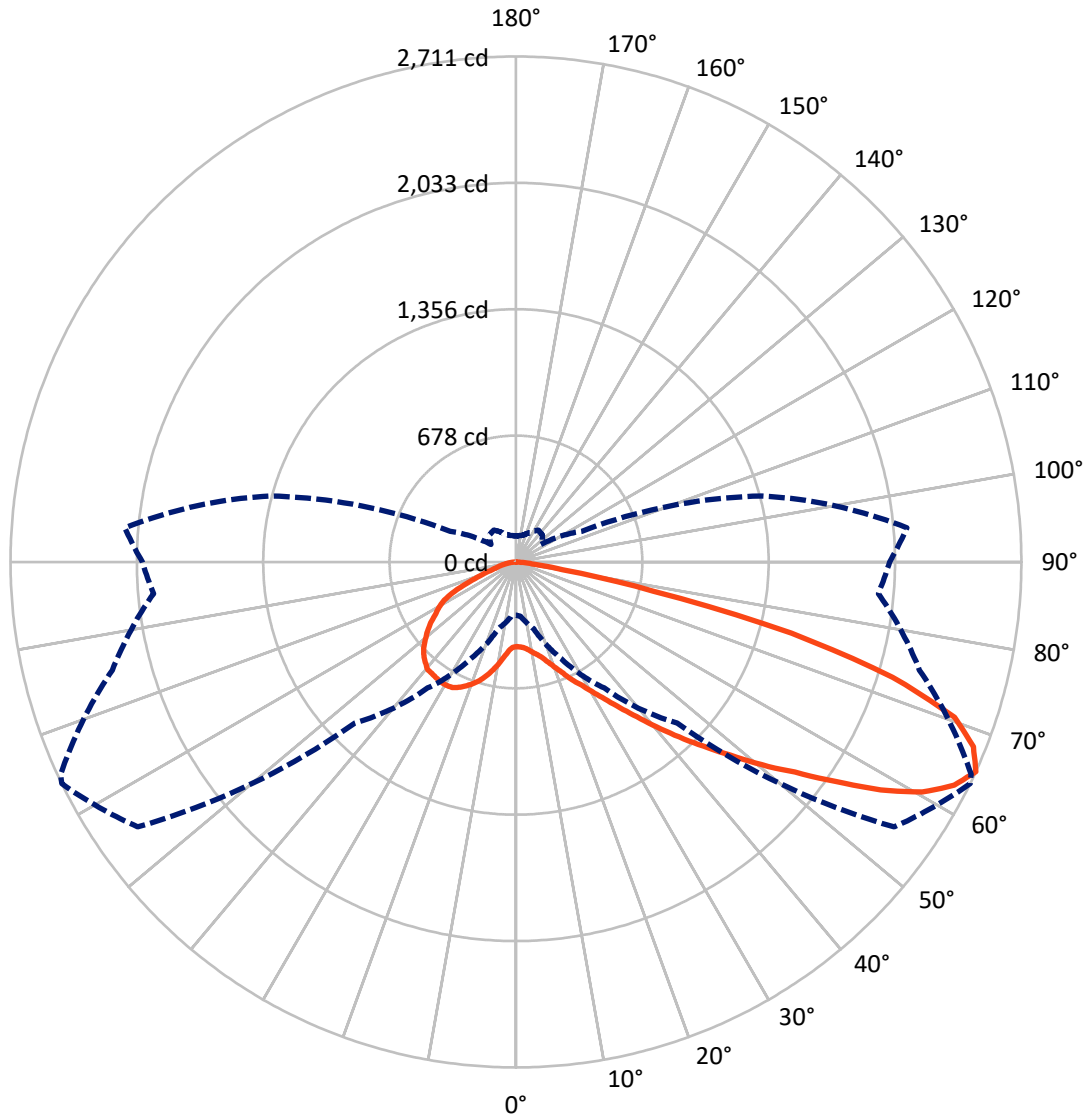
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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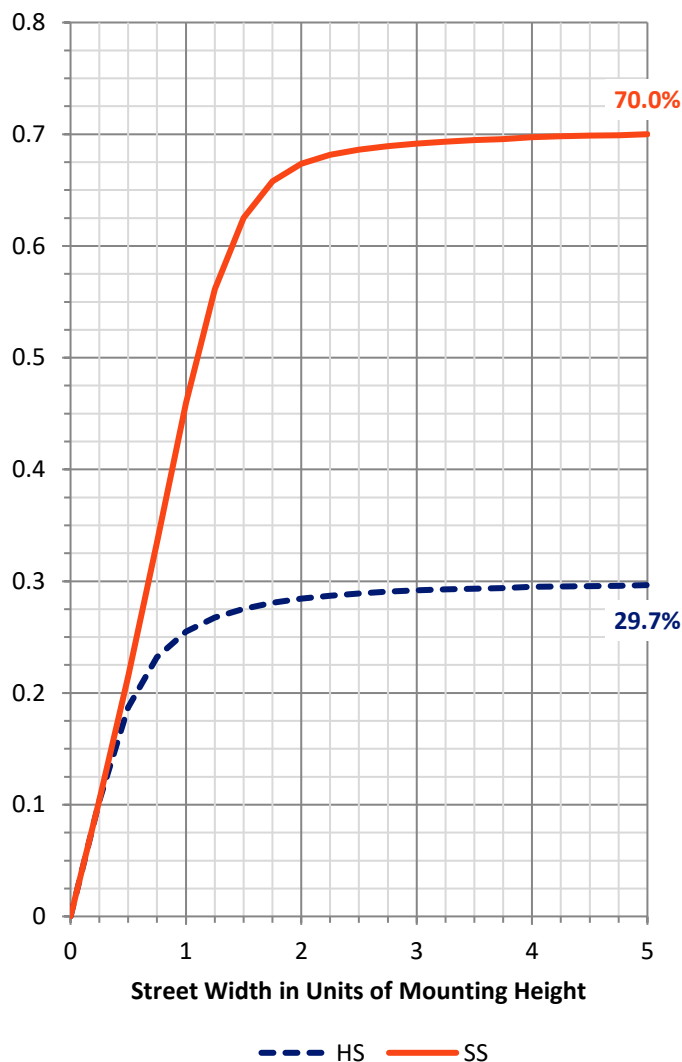
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1343.5	0.0	1343.5
	% Fixture	29.9	0.0	29.9
Street Side	Lumens	3152.5	0.0	3152.5
	% Fixture	70.1	0.0	70.1
Total	Lumens	4496.0	0.0	4496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	1.0
10°-20°	162.7	3.6
20°-30°	315.0	7.0
30°-40°	503.6	11.2
40°-50°	807.3	18.0
50°-60°	1057.7	23.5
60°-70°	960.9	21.4
70°-80°	573.9	12.8
80°-90°	68.1	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°	4496.0	100.0
0°-180°	4496.0	100.0

Coefficient of Utilization

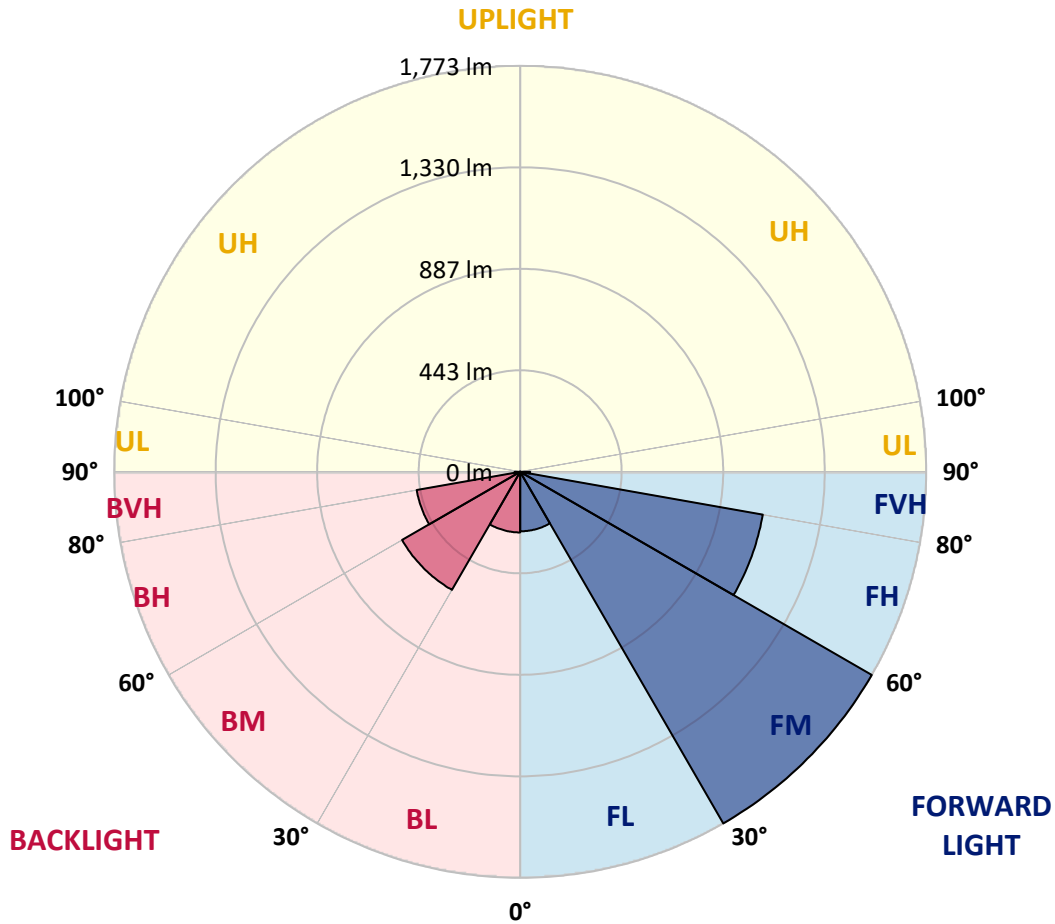


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.7	5.8			
FM (30°-60°)	1773.1	39.4			
FH (60°-80°)	1076.1	23.9			G1/1800
FVH (80°-90°)	43.6	1.0			G1/100
BL (0°-30°)	264.8	5.9	B1/500		
BM (30°-60°)	595.5	13.2	B1/1000		
BH (60°-80°)	458.7	10.2	B1/500		G1/500
BVH (80°-90°)	24.4	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0
2.5°	455.0	454.0	457.0	457.0	457.0	456.0	455.0	456.0	456.0	455.0	456.0
5°	453.0	453.0	456.0	460.0	460.0	463.0	461.0	462.0	463.0	464.0	464.0
7.5°	440.0	443.0	446.0	452.0	458.0	466.0	471.0	475.0	476.0	480.0	483.0
10°	447.0	446.0	451.0	455.0	461.0	474.0	482.0	493.0	491.0	502.0	507.0
12.5°	460.0	460.0	464.0	471.0	479.0	491.0	497.0	510.0	511.0	521.0	531.1
15°	476.0	476.0	483.0	491.0	503.0	519.0	527.0	533.1	538.1	546.1	556.1
17.5°	505.0	509.0	510.0	518.0	528.0	548.1	561.1	566.1	566.1	573.1	582.1
20°	560.1	568.1	561.1	560.1	562.1	583.1	596.1	605.1	604.1	606.1	607.1
22.5°	635.1	640.1	633.1	625.1	613.1	626.1	638.1	648.1	642.1	642.1	633.1
25°	733.1	727.1	721.1	698.1	676.1	671.1	688.1	700.1	697.1	682.1	662.1
27.5°	835.1	827.1	813.1	788.1	752.1	733.1	737.1	747.1	751.1	726.1	694.1
30°	933.1	935.1	918.1	883.1	837.1	805.1	800.1	807.1	805.1	772.1	726.1
32.5°	1072.1	1059.1	1045.1	997.1	929.1	891.1	875.1	876.1	876.1	827.1	763.1
35°	1228.1	1230.1	1189.1	1122.1	1039.1	986.1	961.1	959.1	954.1	899.1	816.1
37.5°	1451.1	1437.1	1387.1	1295.1	1177.1	1102.1	1059.1	1053.1	1048.1	981.1	883.1
40°	1645.2	1647.2	1595.2	1501.1	1350.1	1226.1	1174.1	1163.1	1161.1	1071.1	960.1
42.5°	1775.2	1768.2	1766.2	1711.2	1563.1	1429.1	1315.1	1283.1	1268.1	1179.1	1052.1
45°	1836.2	1839.2	1848.2	1858.2	1789.2	1661.2	1495.1	1409.1	1396.1	1289.1	1152.1
47.5°	1872.2	1879.2	1907.2	1937.2	1968.2	1922.2	1681.2	1548.1	1537.1	1404.1	1255.1
50°	1850.2	1845.2	1912.2	1996.2	2095.2	2185.2	1895.2	1710.2	1696.2	1544.1	1370.1
52.5°	1619.2	1643.2	1791.2	1979.2	2175.2	2350.2	2139.2	1873.2	1861.2	1676.2	1473.1
55°	1308.1	1326.1	1481.1	1779.2	2182.2	2455.2	2328.2	2077.2	2061.2	1808.2	1591.1
57.5°	992.1	1039.1	1212.1	1448.1	1975.2	2473.2	2474.2	2306.2	2252.2	1939.2	1697.2
60°	666.1	685.1	898.1	1126.1	1586.1	2310.2	2548.2	2505.2	2462.2	2066.2	1795.2
62.5°	451.0	455.0	583.1	851.1	1173.1	1925.2	2552.2	2638.2	2594.2	2169.2	1875.2
65°	285.0	293.0	371.0	570.1	825.1	1222.1	2477.2	2711.3	2694.3	2241.2	1951.2
67.5°	217.0	219.0	253.0	345.0	577.1	735.1	2142.2	2646.2	2651.2	2294.2	1987.2
70°	185.0	188.0	216.0	239.0	397.0	395.0	1373.1	2496.2	2514.2	2313.2	2007.2
72.5°	147.0	152.0	183.0	220.0	291.0	269.0	587.1	2113.2	2167.2	2250.2	1992.2
75°	108.0	111.0	138.0	179.0	228.0	207.0	233.0	1526.1	1668.2	1974.2	1895.2
77.5°	77.0	82.0	103.0	133.0	207.0	150.0	145.0	752.1	904.1	1500.1	1629.2
80°	54.0	53.0	69.0	90.0	129.0	112.0	86.0	254.0	326.0	859.1	1060.1
82.5°	27.0	28.0	40.0	56.0	73.0	89.0	48.0	101.0	117.0	353.0	396.0
85°	12.0	12.0	17.0	20.0	33.0	33.0	23.0	37.0	41.0	97.0	36.0
87.5°	0.0	1.0	1.0	2.0	2.0	3.0	4.0	5.0	6.0	6.0	5.0
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°	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0
2.5°	457.0	457.0	457.0	457.0	460.0	462.0	465.0	467.0	466.0	467.0	467.0
5°	466.0	467.0	471.0	476.0	483.0	489.0	499.0	501.0	506.0	504.0	509.0
7.5°	485.0	490.0	497.0	509.0	522.0	533.1	542.1	548.1	552.1	555.1	552.1
10°	513.0	519.0	533.1	550.1	566.1	581.1	587.1	593.1	592.1	589.1	588.1
12.5°	538.1	546.1	568.1	589.1	610.1	622.1	617.1	610.1	604.1	600.1	599.1
15°	564.1	575.1	599.1	629.1	646.1	645.1	631.1	620.1	619.1	617.1	615.1
17.5°	590.1	604.1	635.1	663.1	674.1	656.1	642.1	637.1	639.1	637.1	636.1
20°	614.1	627.1	663.1	693.1	688.1	664.1	655.1	651.1	646.1	643.1	641.1
22.5°	637.1	651.1	692.1	719.1	702.1	671.1	660.1	646.1	641.1	635.1	633.1
25°	659.1	675.1	716.1	743.1	702.1	668.1	645.1	627.1	616.1	610.1	610.1
27.5°	691.1	702.1	740.1	762.1	694.1	651.1	610.1	585.1	568.1	567.1	567.1
30°	715.1	721.1	760.1	769.1	676.1	612.1	560.1	523.0	505.0	500.0	499.0
32.5°	747.1	745.1	777.1	771.1	653.1	563.1	494.0	452.0	429.0	422.0	418.0
35°	787.1	784.1	812.1	769.1	621.1	505.0	421.0	373.0	357.0	345.0	346.0
37.5°	852.1	832.1	866.1	768.1	578.1	429.0	344.0	315.0	294.0	282.0	283.0
40°	920.1	891.1	927.1	770.1	528.0	354.0	292.0	271.0	251.0	233.0	235.0
42.5°	1003.1	968.1	992.1	754.1	469.0	295.0	260.0	245.0	228.0	215.0	217.0
45°	1096.1	1046.1	1053.1	738.1	402.0	263.0	250.0	239.0	224.0	207.0	208.0
47.5°	1198.1	1141.1	1099.1	713.1	349.0	256.0	259.0	242.0	209.0	188.0	188.0
50°	1300.1	1243.1	1137.1	674.1	315.0	273.0	258.0	217.0	191.0	178.0	176.0
52.5°	1405.1	1368.1	1159.1	635.1	305.0	272.0	237.0	205.0	183.0	168.0	166.0
55°	1522.1	1503.1	1192.1	592.1	276.0	262.0	227.0	196.0	172.0	160.0	157.0
57.5°	1632.2	1658.2	1223.1	546.1	236.0	239.0	216.0	189.0	168.0	159.0	157.0
60°	1758.2	1815.2	1264.1	509.0	204.0	222.0	212.0	193.0	172.0	161.0	159.0
62.5°	1868.2	1964.2	1316.1	463.0	182.0	212.0	214.0	188.0	165.0	155.0	152.0
65°	2004.2	2105.2	1367.1	389.0	163.0	202.0	208.0	173.0	148.0	141.0	138.0
67.5°	2101.2	2192.2	1394.1	283.0	145.0	182.0	190.0	154.0	128.0	124.0	122.0
70°	2157.2	2171.2	1380.1	197.0	126.0	154.0	169.0	135.0	113.0	110.0	107.0
72.5°	2116.2	2029.2	1280.1	137.0	109.0	132.0	147.0	121.0	95.0	91.0	89.0
75°	1948.2	1759.2	1028.1	101.0	95.0	112.0	124.0	102.0	76.0	69.0	68.0
77.5°	1583.1	1342.1	664.1	80.0	79.0	91.0	99.0	80.0	58.0	55.0	52.0
80°	962.1	820.1	282.0	60.0	60.0	66.0	73.0	63.0	44.0	38.0	37.0
82.5°	361.0	281.0	93.0	39.0	38.0	47.0	57.0	43.0	25.0	21.0	19.0
85°	27.0	33.0	34.0	19.0	17.0	19.0	23.0	12.0	7.0	5.0	5.0
87.5°	4.0	4.0	4.0	3.0	2.0	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)