

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: P510916

Luminaire Tested: **PRV-P-C10-D-UNV-T4**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C10-D-UNV-T4
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 600mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4880 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

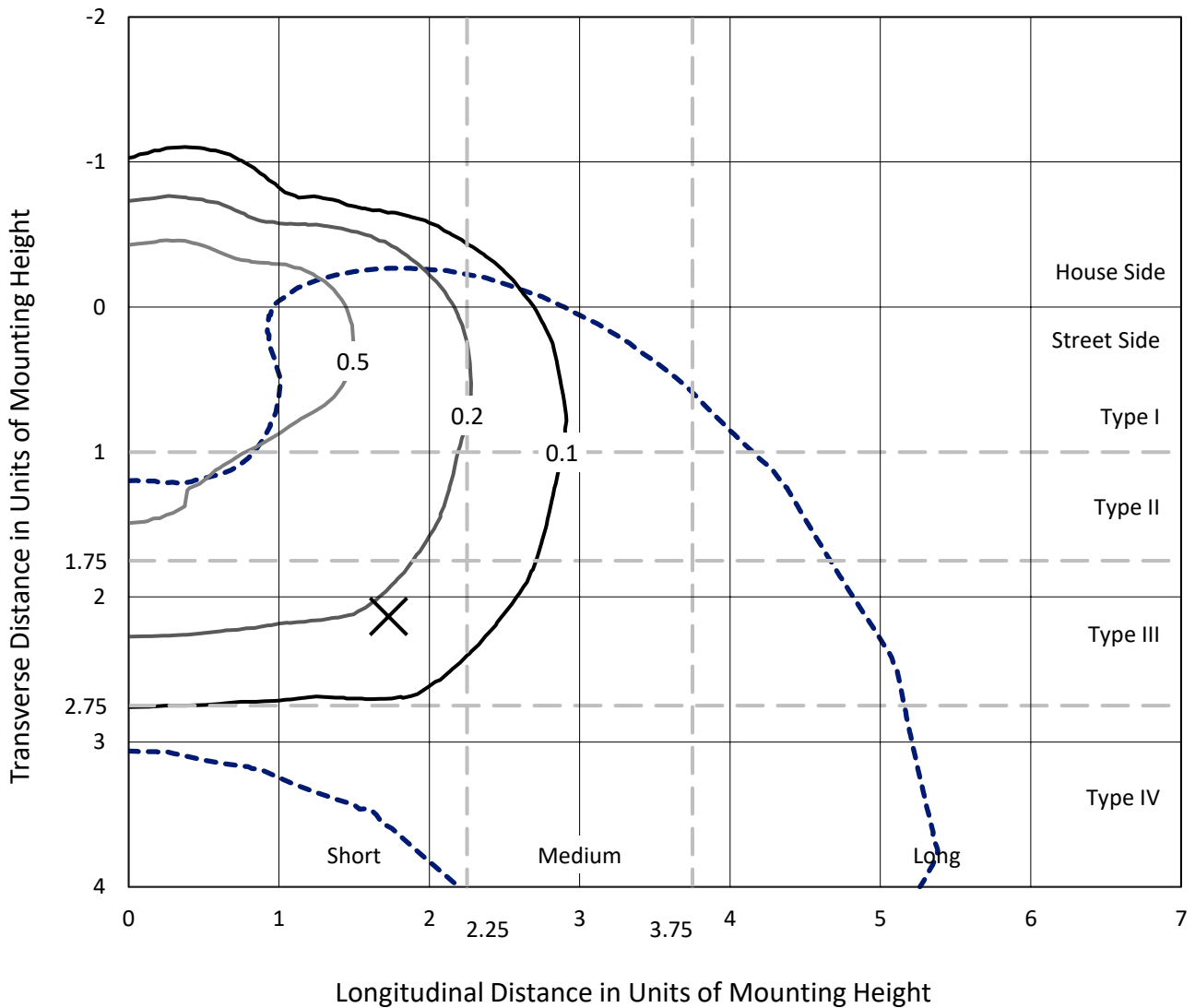
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510916
 CATALOG NUMBER: PRV-P-C10-D-UNV-T4

Iso-Footcandle Lines of Horizontal Illumination

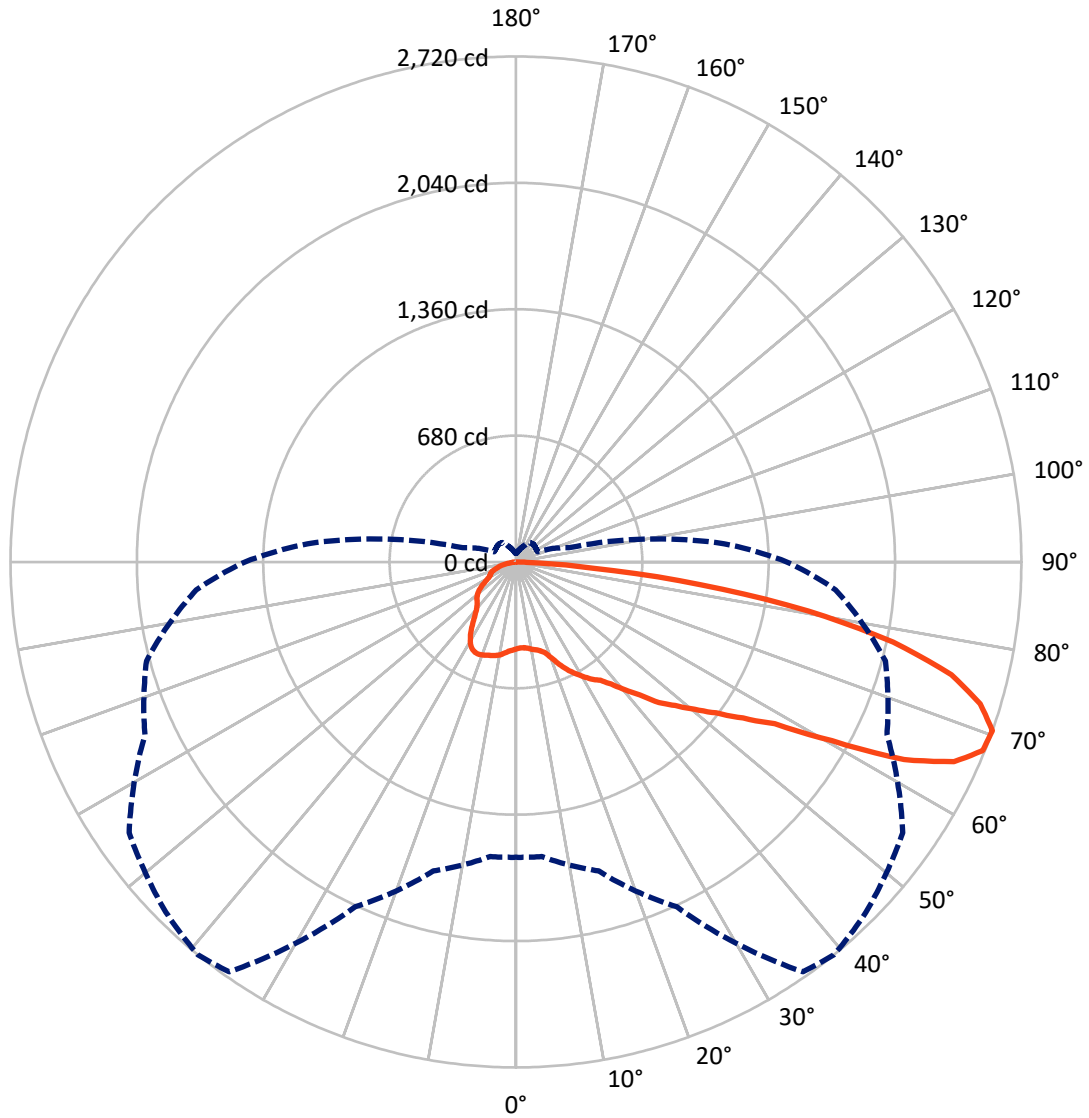
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P510916
CATALOG NUMBER: PRV-P-C10-D-UNV-T4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P510916

CATALOG NUMBER: PRV-P-C10-D-UNV-T4

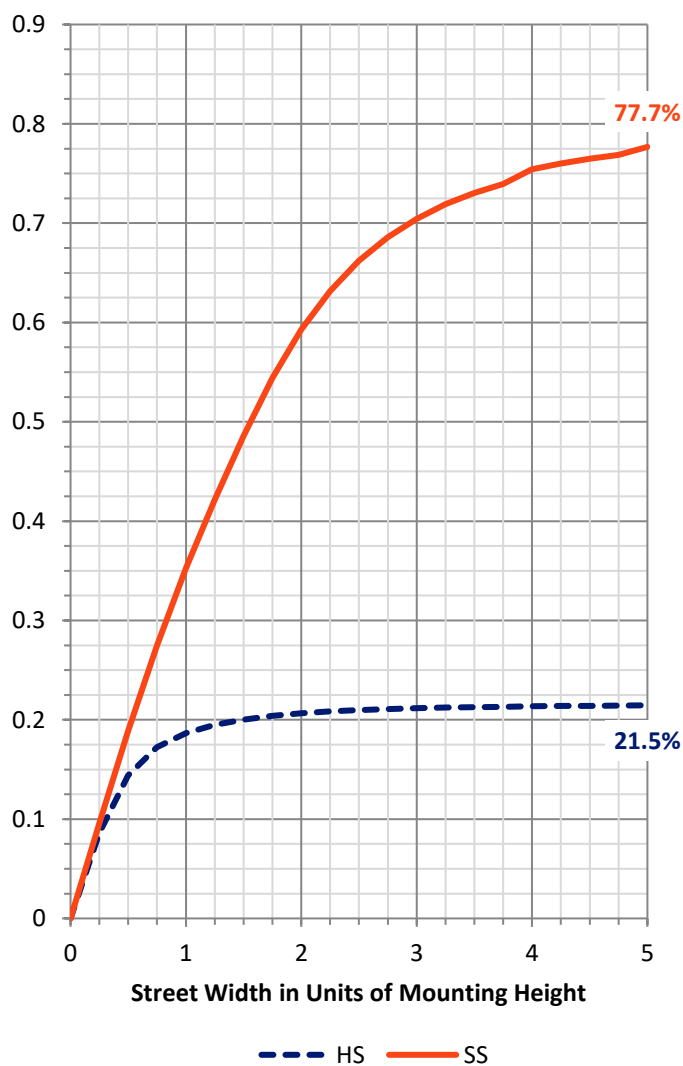
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1055.5	0.0	1055.5
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	3824.5	0.0	3824.5
	% Fixture	78.4	0.0	78.4
Total	Lumens	4880.0	0.0	4880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	0.9
10°-20°	146.2	3.0
20°-30°	277.3	5.7
30°-40°	433.7	8.9
40°-50°	658.6	13.5
50°-60°	964.5	19.8
60°-70°	1241.1	25.4
70°-80°	943.4	19.3
80°-90°	169.6	3.5
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°	4880.0	100.0
0°-180°	4880.0	100.0

Coefficient of Utilization



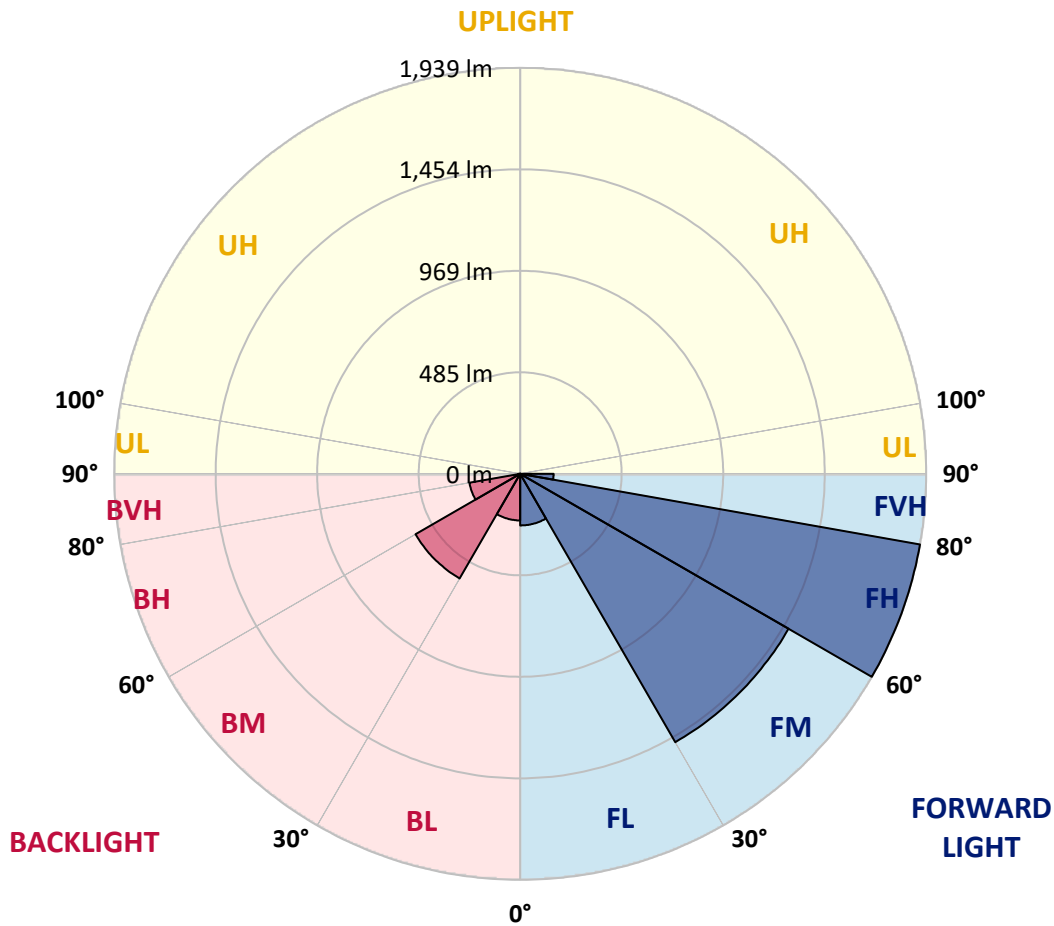
REPORT NUMBER: P510916
 CATALOG NUMBER: PRV-P-C10-D-UNV-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.6	5.1			
FM (30°-60°)	1479.8	30.3			
FH (60°-80°)	1938.6	39.7			G2/5000
FVH (80°-90°)	159.6	3.3			G2/225
BL (0°-30°)	222.6	4.6	B1/500		
BM (30°-60°)	577.0	11.8	B1/1000		
BH (60°-80°)	245.9	5.0	B1/500		G1/500
BVH (80°-90°)	10.0	0.2			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





REPORT NUMBER: P510916
 CATALOG NUMBER: PRV-P-C10-D-UNV-T4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0
2.5°	462.0	461.0	461.0	462.0	462.0	463.0	463.0	464.0	465.0	468.0	469.0
5°	460.0	461.0	461.0	462.0	463.0	463.0	463.0	464.0	464.0	467.0	468.0
7.5°	462.0	463.0	465.0	467.0	468.0	469.0	470.0	471.0	471.0	472.0	474.0
10°	465.0	467.0	468.0	472.0	477.0	478.0	480.0	483.0	484.0	485.0	487.0
12.5°	472.0	471.0	473.0	478.0	483.0	485.0	488.0	493.0	497.0	497.0	499.0
15°	478.0	479.0	481.0	486.0	492.0	496.0	500.0	506.0	511.0	514.0	516.0
17.5°	510.0	508.0	511.0	507.0	511.0	514.0	519.0	526.0	534.0	537.0	541.0
20°	558.0	560.0	555.0	556.0	553.0	552.0	550.0	551.0	559.0	568.0	575.0
22.5°	613.0	617.0	615.0	607.0	600.0	599.0	595.0	593.0	595.0	606.0	616.0
25°	662.0	663.0	662.0	652.0	644.0	642.0	642.0	646.0	647.0	651.0	660.0
27.5°	699.0	699.0	696.0	690.0	682.0	679.0	682.0	692.0	701.0	707.0	717.0
30°	728.0	728.0	725.0	722.0	719.0	716.0	718.0	739.0	760.0	774.0	796.9
32.5°	787.0	783.0	776.0	749.0	752.0	752.0	754.0	778.0	813.9	848.9	880.9
35°	845.9	842.9	834.9	815.9	783.0	782.0	793.0	819.9	865.9	929.9	984.9
37.5°	920.9	917.9	908.9	879.9	848.9	832.9	823.9	862.9	927.9	1030.9	1107.9
40°	1007.9	1006.9	990.9	953.9	913.9	904.9	883.9	910.9	1002.9	1149.9	1234.9
42.5°	1073.9	1073.9	1061.9	1022.9	992.9	977.9	964.9	975.9	1091.9	1286.9	1354.9
45°	1119.9	1125.9	1117.9	1098.9	1080.9	1079.9	1068.9	1093.9	1206.9	1430.9	1469.9
47.5°	1176.9	1178.9	1161.9	1155.9	1152.9	1153.9	1169.9	1217.9	1320.9	1559.9	1570.9
50°	1338.9	1336.9	1272.9	1242.9	1226.9	1246.9	1273.9	1339.9	1456.9	1675.9	1657.9
52.5°	1539.9	1510.9	1403.9	1347.9	1335.9	1349.9	1383.9	1456.9	1614.9	1777.9	1726.9
55°	1748.9	1727.9	1656.9	1532.9	1463.9	1482.9	1500.9	1568.9	1761.9	1868.9	1788.9
57.5°	1883.9	1885.9	1881.9	1818.9	1665.9	1642.9	1643.9	1691.9	1884.9	1966.9	1841.9
60°	1994.9	2012.9	2061.9	2047.9	2019.9	1953.9	1831.9	1820.9	1998.9	2035.9	1881.9
62.5°	2053.9	2062.9	2142.9	2212.9	2334.9	2342.9	2201.9	1966.9	2105.9	2083.9	1900.9
65°	1998.9	2004.9	2112.9	2254.9	2547.8	2590.8	2541.8	2197.9	2186.9	2107.9	1891.9
67.5°	1817.9	1827.9	1940.9	2209.9	2676.8	2708.8	2667.8	2495.8	2219.9	2097.9	1838.9
70°	1588.9	1590.9	1720.9	2046.9	2691.8	2719.8	2664.8	2540.8	2202.9	2057.9	1726.9
72.5°	1285.9	1298.9	1432.9	1768.9	2584.8	2611.8	2578.8	2482.8	2163.9	1975.9	1519.9
75°	987.9	976.9	1104.9	1406.9	2314.9	2419.8	2406.8	2375.9	2060.9	1741.9	1181.9
77.5°	615.0	632.0	756.0	1056.9	1904.9	2075.9	2159.9	2193.9	1787.9	1339.9	679.0
80°	285.0	293.0	431.0	707.0	1409.9	1594.9	1755.9	1753.9	1320.9	796.9	200.0
82.5°	90.0	94.0	173.0	400.0	890.9	1002.9	1124.9	1020.9	459.0	98.0	32.0
85°	38.0	41.0	71.0	150.0	344.0	413.0	479.0	474.0	50.0	26.0	18.0
87.5°	21.0	22.0	27.0	40.0	53.0	56.0	62.0	55.0	11.0	11.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P510916
 CATALOG NUMBER: PRV-P-C10-D-UNV-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0	467.0
2.5°	469.0	469.0	471.0	473.0	473.0	474.0	474.0	474.0	474.0	472.0	471.0
5°	469.0	470.0	473.0	476.0	479.0	480.0	482.0	482.0	483.0	484.0	483.0
7.5°	476.0	478.0	482.0	487.0	490.0	492.0	494.0	495.0	495.0	496.0	496.0
10°	488.0	490.0	497.0	502.0	505.0	507.0	506.0	506.0	507.0	506.0	506.0
12.5°	500.0	503.0	511.0	518.0	518.0	515.0	513.0	511.0	510.0	509.0	508.0
15°	518.0	520.0	531.0	535.0	531.0	524.0	517.0	510.0	505.0	502.0	502.0
17.5°	545.0	550.0	562.0	558.0	548.0	533.0	519.0	504.0	492.0	485.0	485.0
20°	580.0	586.0	597.0	588.0	569.0	546.0	521.0	494.0	470.0	456.0	453.0
22.5°	622.0	631.0	635.0	617.0	589.0	558.0	521.0	484.0	446.0	414.0	407.0
25°	673.0	680.0	670.0	639.0	602.0	560.0	516.0	468.0	411.0	367.0	362.0
27.5°	730.0	730.0	703.0	656.0	605.0	552.0	502.0	438.0	367.0	335.0	331.0
30°	799.9	785.0	732.0	666.0	597.0	536.0	474.0	391.0	334.0	306.0	303.0
32.5°	874.9	843.9	760.0	669.0	581.0	508.0	431.0	354.0	310.0	281.0	277.0
35°	965.9	916.9	789.0	662.0	551.0	468.0	380.0	324.0	285.0	253.0	249.0
37.5°	1079.9	1009.9	820.9	647.0	513.0	417.0	340.0	295.0	261.0	226.0	220.0
40°	1197.9	1116.9	868.9	627.0	469.0	371.0	308.0	275.0	243.0	206.0	198.0
42.5°	1314.9	1217.9	929.9	609.0	430.0	340.0	295.0	272.0	237.0	198.0	191.0
45°	1417.9	1306.9	986.9	588.0	387.0	312.0	289.0	269.0	234.0	194.0	186.0
47.5°	1500.9	1388.9	1041.9	570.0	347.0	293.0	283.0	261.0	226.0	188.0	180.0
50°	1578.9	1455.9	1079.9	555.0	311.0	278.0	270.0	243.0	208.0	172.0	167.0
52.5°	1642.9	1508.9	1103.9	561.0	276.0	262.0	249.0	219.0	184.0	157.0	150.0
55°	1690.9	1538.9	1107.9	551.0	245.0	237.0	222.0	196.0	171.0	148.0	142.0
57.5°	1730.9	1552.9	1092.9	465.0	218.0	207.0	195.0	178.0	154.0	132.0	128.0
60°	1743.9	1551.9	1054.9	330.0	188.0	171.0	175.0	162.0	137.0	116.0	112.0
62.5°	1736.9	1527.9	956.9	230.0	160.0	155.0	161.0	148.0	123.0	104.0	101.0
65°	1699.9	1467.9	808.9	160.0	145.0	148.0	154.0	140.0	114.0	96.0	94.0
67.5°	1614.9	1351.9	592.0	138.0	138.0	143.0	146.0	128.0	79.0	56.0	52.0
70°	1458.9	1124.9	296.0	129.0	130.0	134.0	127.0	92.0	67.0	48.0	46.0
72.5°	1189.9	793.0	105.0	119.0	120.0	115.0	103.0	81.0	58.0	42.0	39.0
75°	773.0	388.0	91.0	111.0	104.0	97.0	91.0	68.0	49.0	30.0	28.0
77.5°	337.0	89.0	85.0	96.0	89.0	86.0	65.0	50.0	33.0	21.0	20.0
80°	57.0	53.0	80.0	71.0	71.0	53.0	40.0	30.0	20.0	13.0	12.0
82.5°	27.0	38.0	62.0	46.0	39.0	26.0	23.0	21.0	15.0	10.0	10.0
85°	20.0	30.0	24.0	21.0	15.0	15.0	17.0	12.0	10.0	5.0	5.0
87.5°	6.0	5.0	5.0	4.0	5.0	2.0	2.0	1.0	0.0	0.0	0.0
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)