

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: P510915

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-7)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 600mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4496 lumens
Efficiency: N/A
Efficacy: 129.9 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

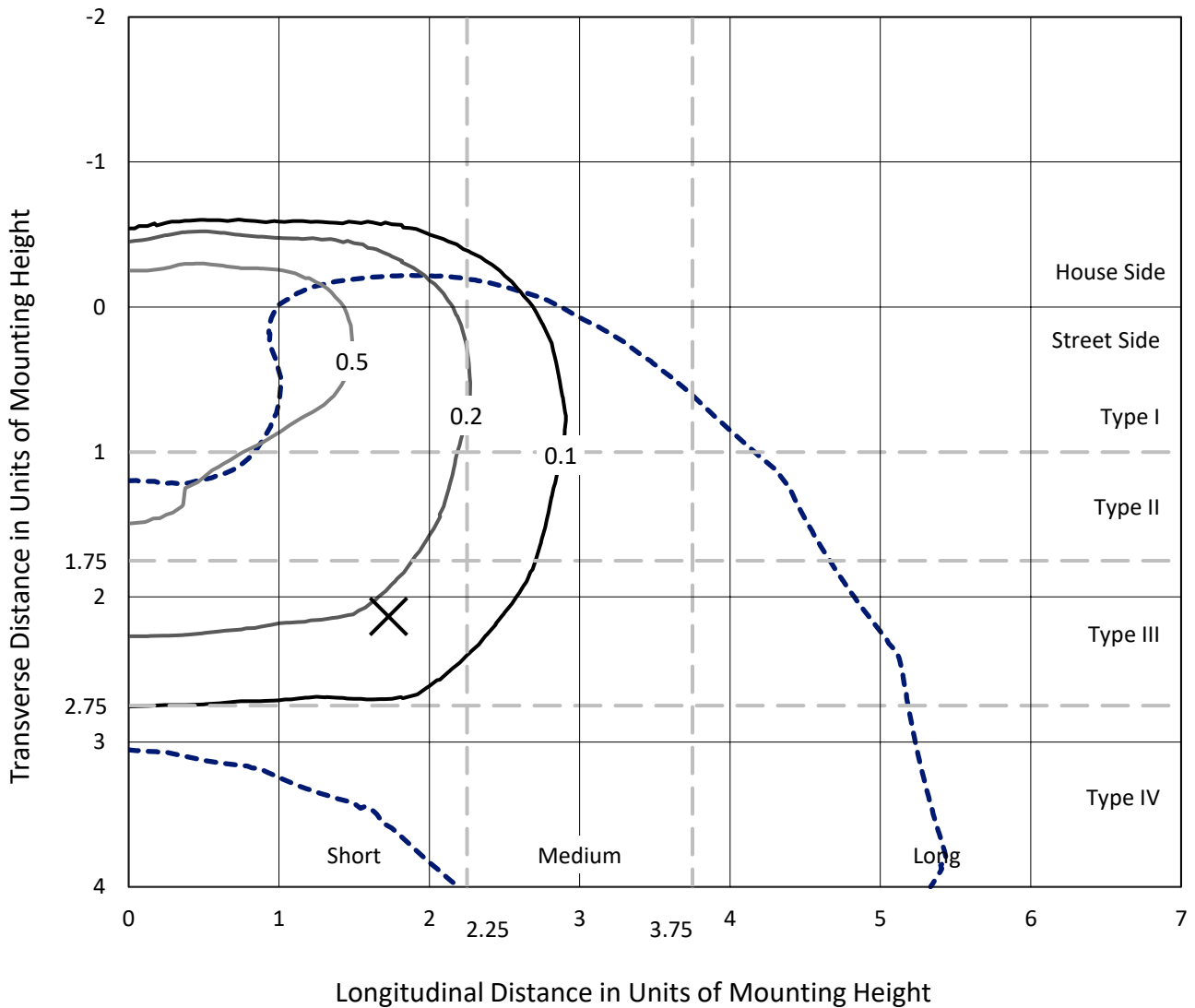
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

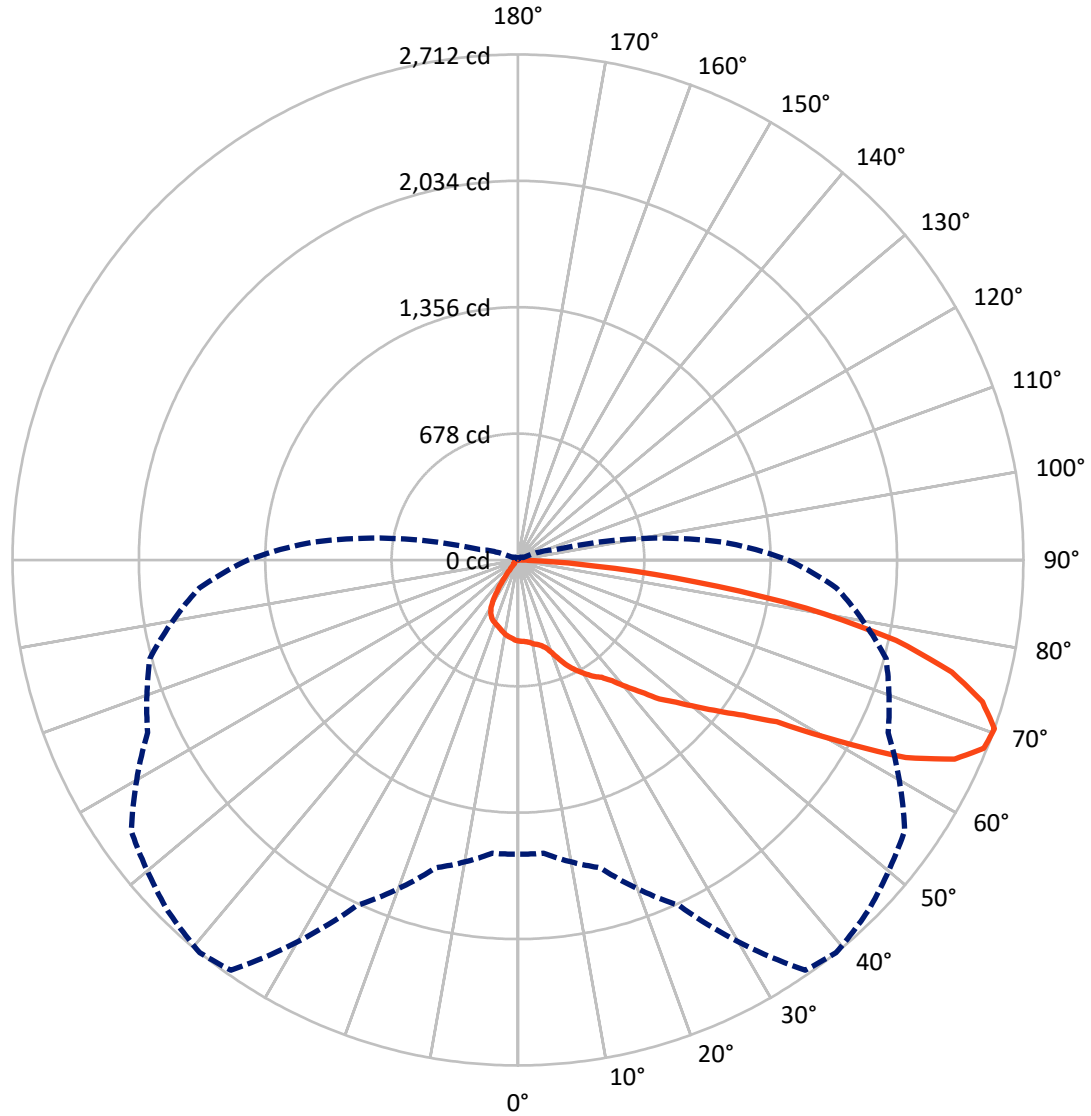
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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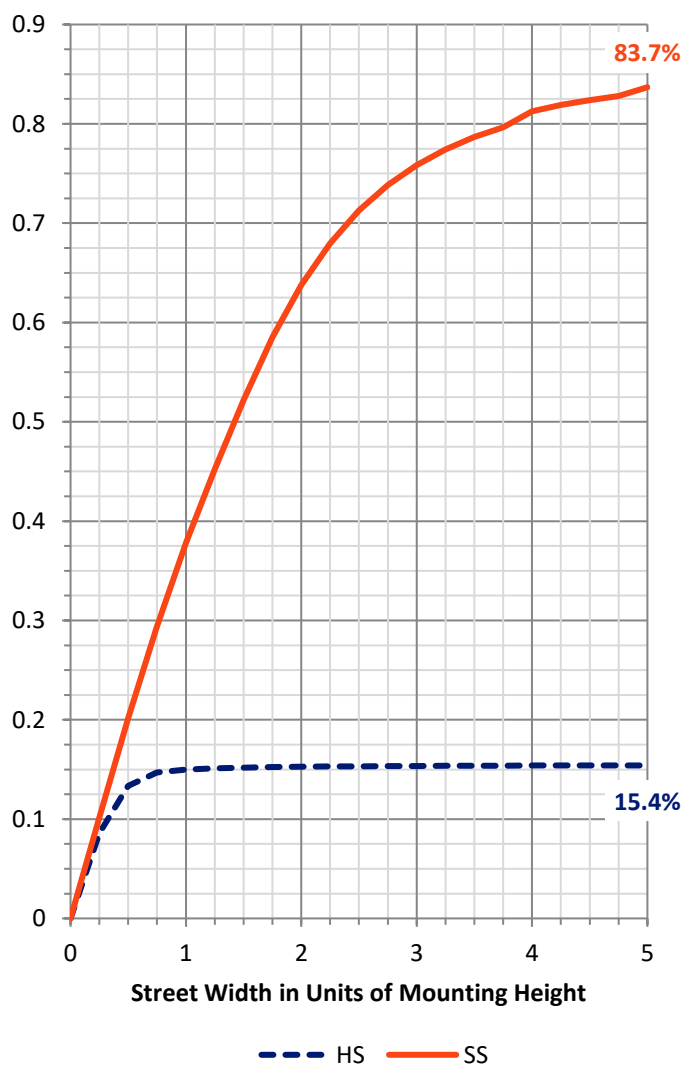
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	699.6	0.0	699.6
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3796.4	0.0	3796.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	4496.0	0.0	4496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	0.9
10°-20°	126.4	2.8
20°-30°	236.9	5.3
30°-40°	374.0	8.3
40°-50°	582.8	13.0
50°-60°	881.9	19.6
60°-70°	1181.1	26.3
70°-80°	909.5	20.2
80°-90°	162.1	3.6
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

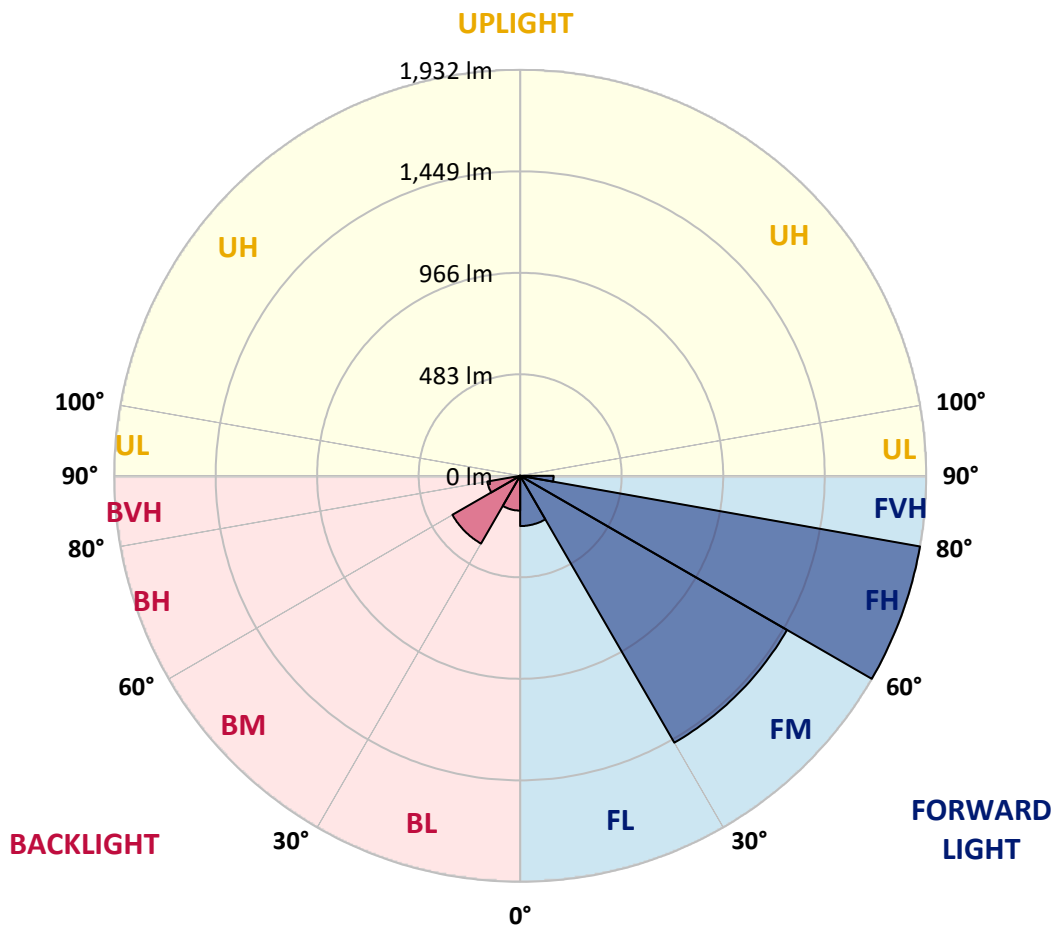


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.1	5.3			
FM (30°-60°)	1466.3	32.6			
FH (60°-80°)	1932.0	43.0			G2/5000
FVH (80°-90°)	159.0	3.5			G2/225
BL (0°-30°)	165.5	3.7	B1/500		
BM (30°-60°)	372.4	8.3	B1/1000		
BH (60°-80°)	158.5	3.5	B1/500		G1/500
BVH (80°-90°)	3.1	0.1			G0/10
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°	39°	45°	55°	65°	75°	85°
0°	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0
2.5°	435.0	437.0	437.0	437.0	437.0	437.0	437.0	436.0	437.0	439.0	437.0
5°	437.0	438.0	438.0	440.0	440.0	440.0	440.0	439.0	440.0	440.0	438.0
7.5°	442.0	442.0	443.0	445.0	447.0	447.0	447.0	448.0	448.0	446.0	445.0
10°	447.0	447.0	448.0	452.0	456.0	458.0	459.0	461.0	462.0	460.0	457.0
12.5°	453.0	453.0	454.0	458.0	463.0	465.0	468.0	472.0	474.0	473.0	469.0
15°	462.0	462.0	464.0	468.0	476.0	477.0	481.0	487.0	490.0	490.0	486.0
17.5°	493.0	495.0	493.0	492.0	496.0	498.0	501.0	508.0	514.0	514.0	513.0
20°	553.0	550.0	547.0	543.0	537.0	537.0	534.0	535.0	540.0	548.0	547.0
22.5°	607.0	608.0	605.0	598.0	588.0	585.0	579.0	577.0	577.0	585.0	587.0
25°	651.0	654.0	653.0	643.0	632.0	633.0	632.0	630.0	628.0	629.0	633.0
27.5°	687.0	688.0	685.0	679.0	672.0	672.0	672.0	676.0	686.0	686.0	687.0
30°	716.0	718.0	715.0	713.0	710.0	708.0	708.0	723.0	744.0	759.0	768.0
32.5°	777.0	770.0	761.0	741.0	744.0	744.0	746.0	766.0	802.0	830.0	859.0
35°	832.0	833.0	820.0	806.0	774.0	773.0	784.0	810.0	856.0	912.0	963.0
37.5°	904.0	904.0	893.0	868.0	838.0	822.0	817.0	853.0	916.0	1012.0	1077.0
40°	997.0	997.0	978.0	943.0	904.0	893.0	873.0	901.0	987.0	1140.0	1202.0
42.5°	1062.0	1061.0	1048.0	1012.0	980.0	967.0	958.0	967.0	1085.0	1278.1	1338.1
45°	1108.0	1114.0	1106.0	1090.0	1075.0	1063.0	1060.0	1080.0	1193.0	1419.1	1445.1
47.5°	1165.0	1170.0	1150.0	1142.0	1143.0	1140.0	1161.0	1215.1	1310.1	1540.1	1545.1
50°	1330.1	1325.1	1259.1	1227.1	1223.1	1236.1	1274.1	1325.1	1443.1	1652.1	1634.1
52.5°	1545.1	1509.1	1395.1	1340.1	1327.1	1347.1	1374.1	1450.1	1611.1	1762.1	1704.1
55°	1749.1	1729.1	1649.1	1508.1	1458.1	1471.1	1495.1	1565.1	1754.1	1853.1	1769.1
57.5°	1895.1	1889.1	1880.1	1815.1	1652.1	1637.1	1640.1	1687.1	1871.1	1955.1	1824.1
60°	1994.1	2009.1	2057.1	2049.1	2026.1	1967.1	1832.1	1816.1	1988.1	2021.1	1866.1
62.5°	2049.1	2057.1	2139.1	2207.1	2332.1	2335.1	2208.1	1963.1	2090.1	2072.1	1883.1
65°	1988.1	2004.1	2108.1	2248.1	2536.1	2575.1	2532.1	2210.1	2179.1	2097.1	1876.1
67.5°	1825.1	1828.1	1948.1	2206.1	2676.1	2696.1	2659.1	2490.1	2209.1	2085.1	1820.1
70°	1578.1	1580.1	1710.1	2045.1	2687.1	2712.1	2659.1	2533.1	2192.1	2045.1	1715.1
72.5°	1277.1	1300.1	1424.1	1777.1	2588.1	2606.1	2574.1	2474.1	2151.1	1973.1	1501.1
75°	964.0	972.0	1103.0	1393.1	2315.1	2404.1	2416.1	2368.1	2059.1	1726.1	1156.0
77.5°	614.0	623.0	751.0	1060.0	1903.1	2074.1	2174.1	2168.1	1767.1	1353.1	687.0
80°	288.0	291.0	428.0	721.0	1407.1	1566.1	1734.1	1751.1	1345.1	751.0	200.0
82.5°	81.0	90.0	164.0	402.0	896.0	958.0	1133.0	1063.0	437.0	89.0	29.0
85°	36.0	38.0	67.0	149.0	349.0	416.0	487.0	462.0	51.0	25.0	17.0
87.5°	21.0	22.0	27.0	39.0	54.0	55.0	69.0	61.0	12.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0
2.5°	437.0	436.0	436.0	435.0	433.0	431.0	429.0	428.0	426.0	426.0	424.0
5°	437.0	436.0	434.0	432.0	428.0	423.0	418.0	415.0	413.0	411.0	413.0
7.5°	444.0	442.0	438.0	433.0	426.0	418.0	411.0	405.0	401.0	400.0	400.0
10°	455.0	453.0	446.0	437.0	425.0	413.0	400.0	391.0	385.0	383.0	381.0
12.5°	466.0	464.0	455.0	441.0	424.0	404.0	386.0	374.0	364.0	362.0	359.0
15°	484.0	480.0	468.0	448.0	423.0	396.0	371.0	353.0	340.0	335.0	332.0
17.5°	510.0	506.0	491.0	463.0	429.0	391.0	356.0	327.0	307.0	298.0	296.0
20°	546.0	541.0	520.0	483.0	439.0	390.0	342.0	300.0	268.0	252.0	248.0
22.5°	588.0	582.0	556.0	506.0	450.0	389.0	328.0	275.0	231.0	205.0	193.0
25°	634.0	632.0	588.0	525.0	456.0	382.0	311.0	250.0	189.0	147.0	141.0
27.5°	692.0	681.0	618.0	538.0	454.0	367.0	290.0	210.0	131.0	101.0	96.0
30°	763.0	736.0	650.0	549.0	445.0	348.0	255.0	146.0	81.0	64.0	62.0
32.5°	841.0	797.0	680.0	553.0	430.0	320.0	191.0	86.0	48.0	37.0	37.0
35°	931.0	868.0	712.0	549.0	403.0	269.0	118.0	46.0	26.0	23.0	23.0
37.5°	1039.0	961.0	745.0	536.0	366.0	201.0	67.0	23.0	21.0	20.0	20.0
40°	1159.0	1072.0	791.0	514.0	315.0	133.0	30.0	20.0	20.0	19.0	19.0
42.5°	1275.1	1174.0	846.0	486.0	257.0	76.0	23.0	21.0	18.0	17.0	17.0
45°	1380.1	1262.1	893.0	452.0	191.0	37.0	24.0	18.0	16.0	16.0	16.0
47.5°	1467.1	1344.1	927.0	417.0	128.0	26.0	25.0	17.0	15.0	14.0	14.0
50°	1545.1	1402.1	946.0	372.0	69.0	26.0	22.0	17.0	14.0	14.0	14.0
52.5°	1610.1	1453.1	950.0	313.0	34.0	26.0	23.0	17.0	13.0	15.0	15.0
55°	1662.1	1482.1	933.0	247.0	29.0	24.0	23.0	16.0	13.0	16.0	17.0
57.5°	1703.1	1494.1	897.0	170.0	29.0	23.0	23.0	15.0	12.0	13.0	13.0
60°	1721.1	1495.1	845.0	95.0	28.0	23.0	22.0	15.0	11.0	9.0	9.0
62.5°	1716.1	1473.1	755.0	49.0	25.0	22.0	20.0	14.0	9.0	6.0	6.0
65°	1679.1	1416.1	639.0	36.0	23.0	21.0	19.0	13.0	8.0	5.0	5.0
67.5°	1596.1	1303.1	470.0	33.0	24.0	20.0	17.0	12.0	7.0	4.0	4.0
70°	1449.1	1104.0	221.0	31.0	25.0	20.0	16.0	11.0	6.0	3.0	3.0
72.5°	1160.0	758.0	52.0	27.0	24.0	19.0	16.0	9.0	4.0	2.0	2.0
75°	763.0	351.0	39.0	23.0	22.0	17.0	14.0	10.0	4.0	1.0	1.0
77.5°	333.0	64.0	35.0	18.0	22.0	19.0	12.0	7.0	2.0	0.0	0.0
80°	48.0	36.0	34.0	12.0	20.0	11.0	5.0	2.0	1.0	0.0	0.0
82.5°	25.0	31.0	31.0	7.0	9.0	2.0	2.0	1.0	0.0	0.0	0.0
85°	19.0	28.0	12.0	5.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	6.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	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)