

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: P511101

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-8)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3318 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

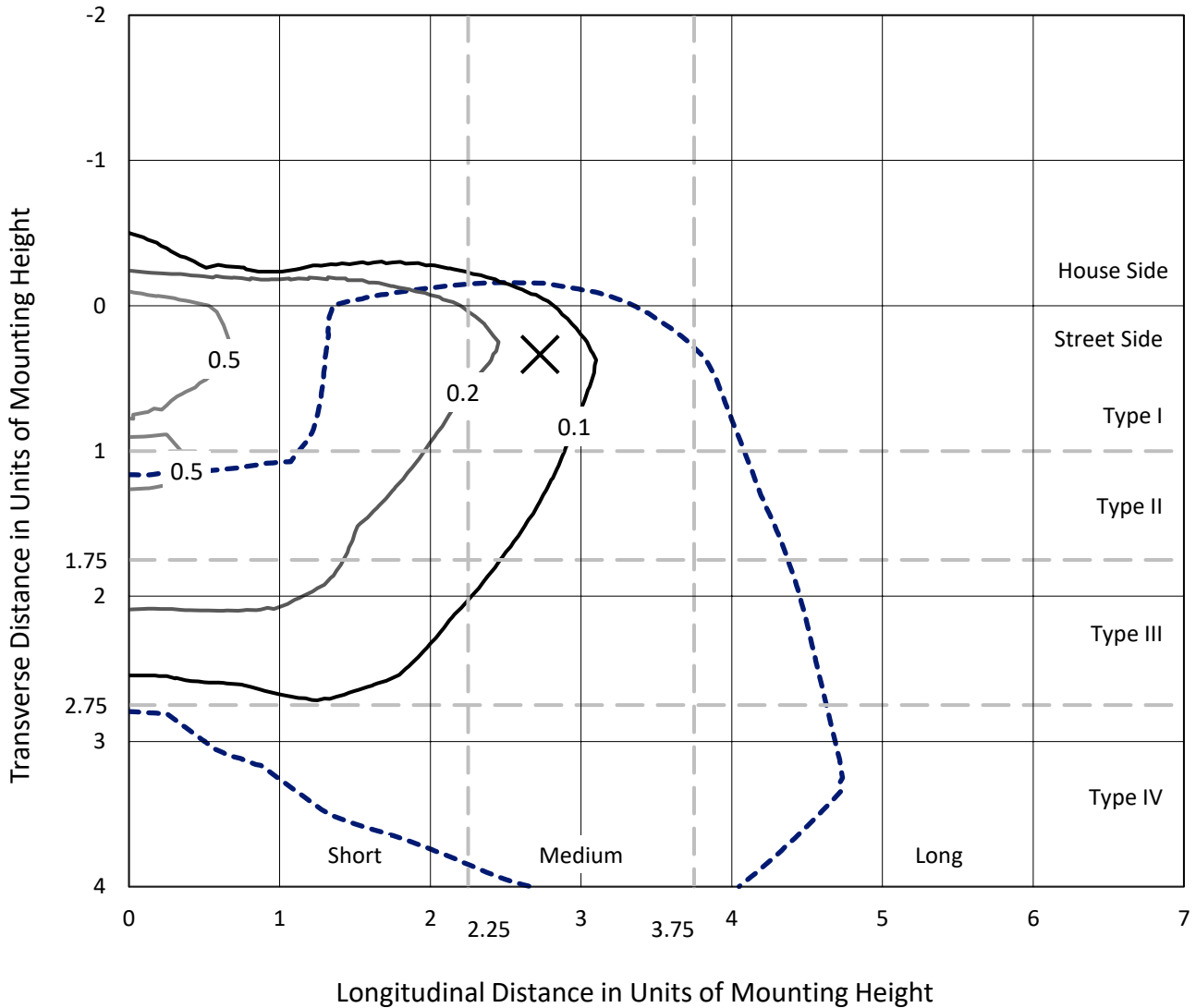
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

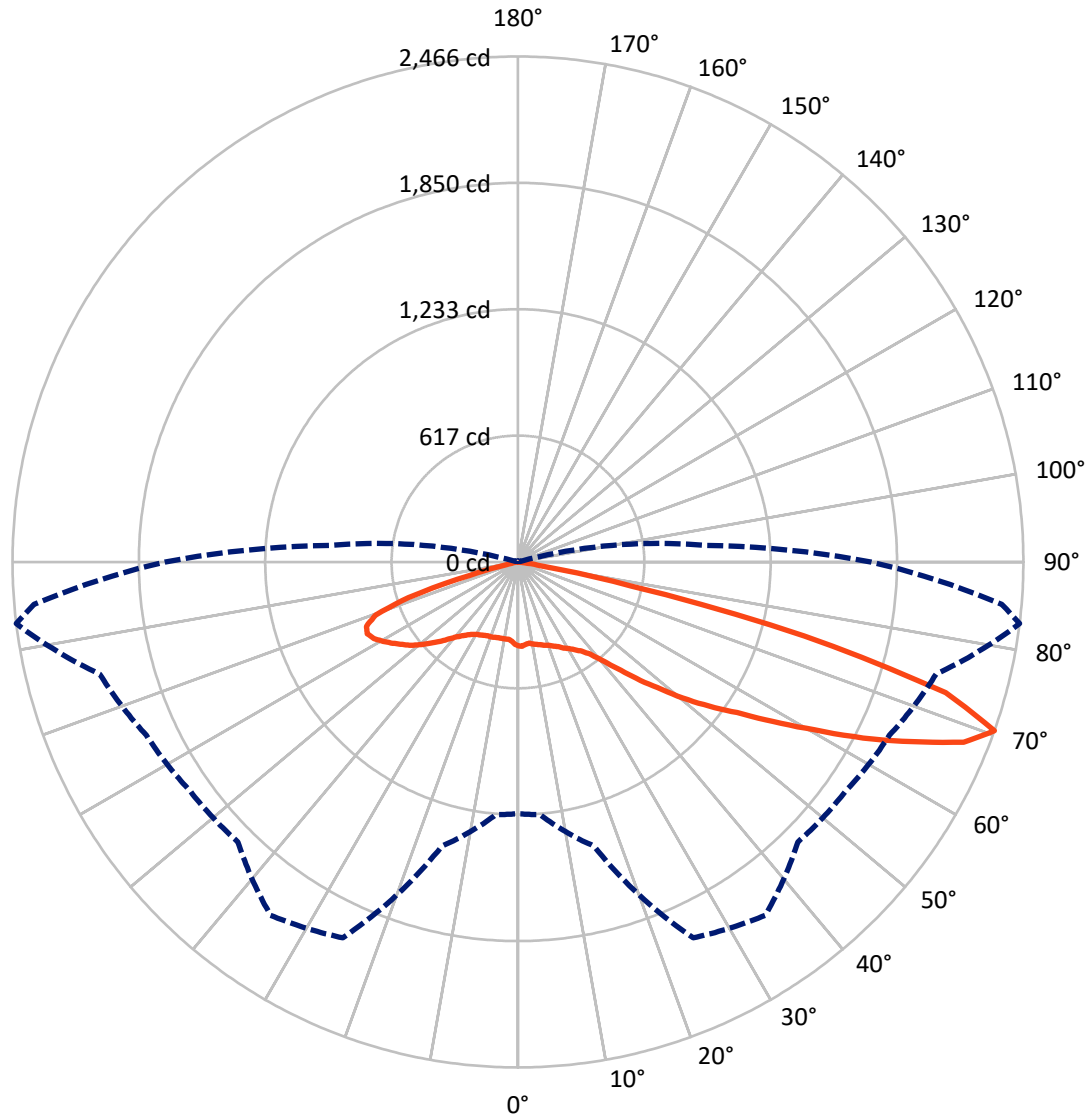
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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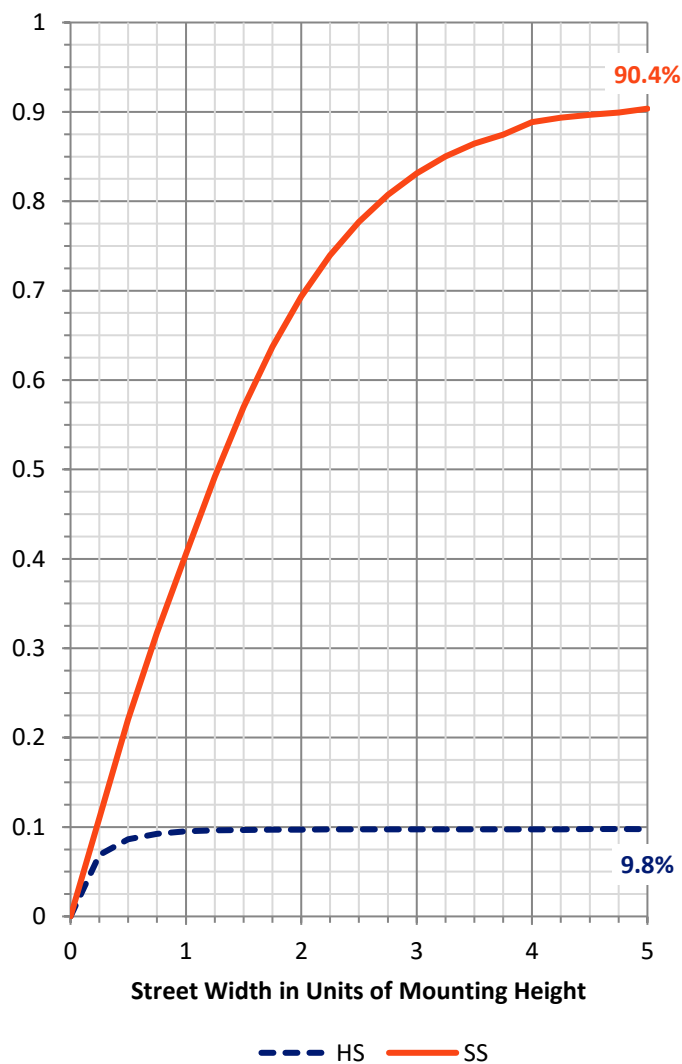
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	326.7	0.0	326.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2991.3	0.0	2991.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	3318.0	0.0	3318.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.1
10°-20°	99.2	3.0
20°-30°	157.0	4.7
30°-40°	222.1	6.7
40°-50°	364.1	11.0
50°-60°	643.0	19.4
60°-70°	949.1	28.6
70°-80°	783.3	23.6
80°-90°	63.1	1.9
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°	3318.0	100.0
0°-180°	3318.0	100.0

Coefficient of Utilization

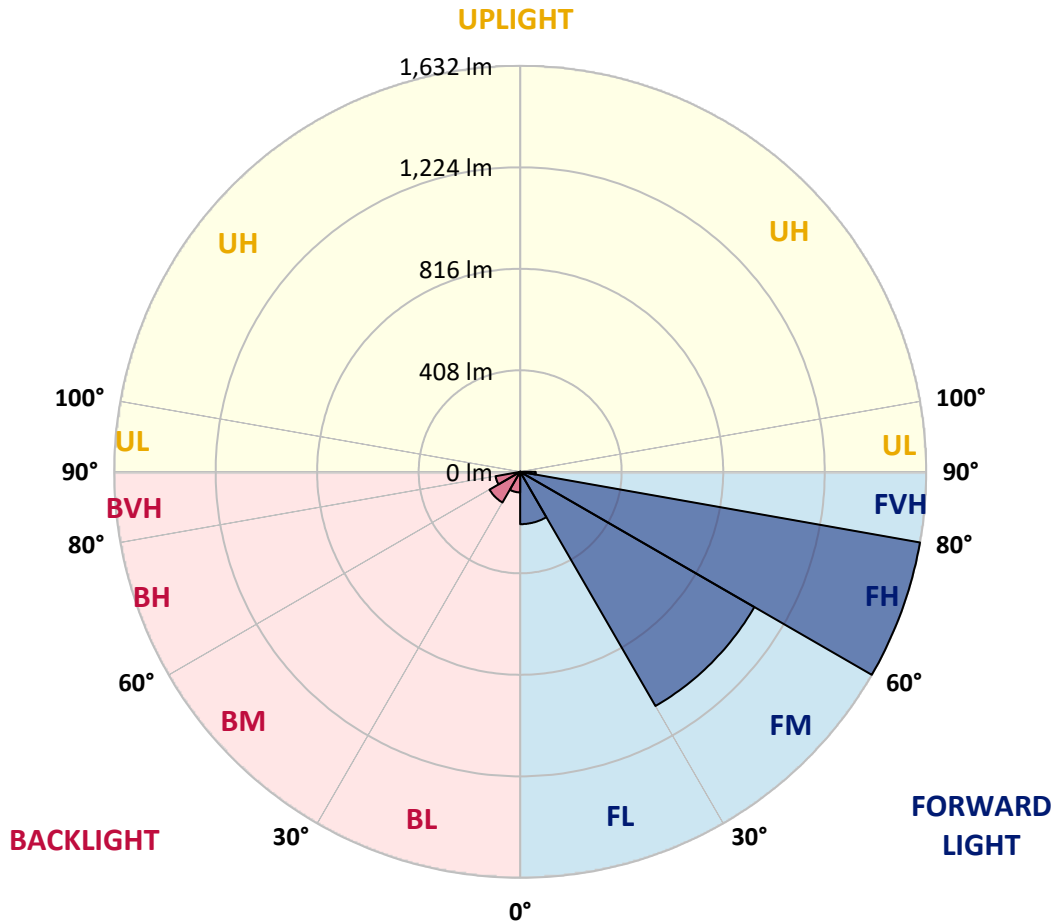


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.5	6.3			
FM (30°-60°)	1086.8	32.8			
FH (60°-80°)	1631.8	49.2			G1/1800
FVH (80°-90°)	62.2	1.9			G1/100
BL (0°-30°)	82.9	2.5	B0/110		
BM (30°-60°)	142.4	4.3	B0/220		
BH (60°-80°)	100.6	3.0	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0
2.5°	436.0	436.0	434.0	434.0	429.0	427.0	422.0	418.0	413.0	411.0	408.0
5°	460.0	459.0	456.0	453.0	442.0	436.0	428.0	418.0	409.0	403.0	399.0
7.5°	484.0	483.0	480.0	472.0	460.0	449.0	435.0	423.0	409.0	400.0	398.0
10°	510.0	512.0	502.0	491.0	473.0	458.0	445.0	434.0	418.0	407.0	402.0
12.5°	533.0	529.0	520.0	506.0	485.0	468.0	458.0	444.0	427.0	413.0	408.0
15°	548.0	545.0	537.0	519.0	494.0	480.0	468.0	453.0	436.0	419.0	414.0
17.5°	559.0	559.0	550.0	526.0	501.0	492.0	479.0	465.0	444.0	428.0	423.0
20°	565.0	568.0	560.0	536.0	510.0	502.0	492.0	477.0	455.0	434.0	430.0
22.5°	568.0	570.0	570.0	540.0	517.0	511.0	503.0	489.0	464.0	446.0	440.0
25°	568.0	572.0	572.0	541.0	525.0	519.0	515.0	502.0	481.0	458.0	453.0
27.5°	572.0	570.0	574.0	545.0	534.0	533.0	531.0	522.0	498.0	476.0	468.0
30°	570.0	569.0	573.0	549.0	545.0	550.0	551.0	542.0	511.0	490.0	486.0
32.5°	584.0	580.0	576.0	553.0	557.0	568.0	568.0	559.0	530.0	510.0	506.0
35°	612.0	591.0	587.0	566.0	567.0	578.0	585.0	580.0	552.0	534.0	531.0
37.5°	614.0	606.0	616.0	585.0	585.0	597.0	611.0	610.0	591.0	569.0	569.0
40°	658.0	652.0	674.0	618.0	612.0	628.0	645.0	656.0	643.0	628.0	626.0
42.5°	784.0	777.0	786.0	666.0	651.0	677.0	699.0	720.0	713.0	709.0	707.0
45°	942.0	941.0	947.0	759.0	705.0	736.0	758.0	790.0	796.0	810.0	810.0
47.5°	1121.0	1105.0	1096.0	910.0	786.0	792.0	835.0	878.0	909.0	916.0	927.0
50°	1244.1	1243.1	1225.1	1104.0	944.0	874.0	925.0	981.0	1041.0	1043.0	1052.0
52.5°	1346.1	1344.1	1345.1	1303.1	1125.0	977.0	1027.0	1104.0	1162.1	1168.1	1176.1
55°	1393.1	1399.1	1431.1	1449.1	1326.1	1108.0	1146.0	1222.1	1290.1	1297.1	1315.1
57.5°	1466.1	1463.1	1514.1	1601.1	1535.1	1266.1	1275.1	1353.1	1415.1	1467.1	1479.1
60°	1571.1	1558.1	1609.1	1745.1	1659.1	1403.1	1397.1	1479.1	1556.1	1662.1	1674.1
62.5°	1623.1	1602.1	1688.1	1938.1	1791.1	1533.1	1540.1	1610.1	1704.1	1891.1	1945.1
65°	1535.1	1526.1	1721.1	1936.1	1947.1	1654.1	1685.1	1740.1	1867.1	2113.1	2178.1
67.5°	1309.1	1319.1	1645.1	1997.1	2036.1	1789.1	1820.1	1897.1	2007.1	2346.1	2346.1
70°	1228.1	1237.1	1435.1	2023.1	2104.1	1932.1	1951.1	2000.1	2112.1	2466.1	2370.1
72.5°	1046.0	1062.0	1279.1	1954.1	2192.1	2075.1	2041.1	2076.1	2094.1	2182.1	2001.1
75°	400.0	422.0	818.0	1513.1	2162.1	2233.1	2114.1	1980.1	1765.1	1443.1	1296.1
77.5°	78.0	80.0	190.0	720.0	1556.1	2106.1	1949.1	1526.1	995.0	564.0	548.0
80°	31.0	33.0	57.0	213.0	714.0	1217.1	1274.1	768.0	317.0	116.0	97.0
82.5°	13.0	13.0	27.0	75.0	250.0	310.0	441.0	245.0	84.0	29.0	25.0
85°	2.0	2.0	9.0	27.0	40.0	23.0	108.0	49.0	41.0	11.0	9.0
87.5°	0.0	0.0	1.0	1.0	2.0	2.0	3.0	4.0	6.0	2.0	2.0
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°	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0
2.5°	407.0	403.0	396.0	391.0	388.0	385.0	384.0	378.0	380.0	379.0	379.0
5°	395.0	389.0	380.0	369.0	363.0	357.0	350.0	344.0	340.0	337.0	343.0
7.5°	390.0	383.0	366.0	352.0	338.0	322.0	308.0	295.0	288.0	283.0	283.0
10°	393.0	385.0	364.0	341.0	312.0	278.0	251.0	227.0	218.0	213.0	205.0
12.5°	397.0	386.0	360.0	324.0	279.0	227.0	187.0	158.0	147.0	141.0	140.0
15°	403.0	388.0	356.0	301.0	235.0	171.0	125.0	108.0	109.0	113.0	114.0
17.5°	409.0	393.0	350.0	275.0	189.0	123.0	100.0	97.0	100.0	106.0	107.0
20°	415.0	400.0	342.0	243.0	143.0	97.0	92.0	92.0	95.0	101.0	102.0
22.5°	424.0	404.0	329.0	204.0	107.0	89.0	88.0	89.0	91.0	96.0	98.0
25°	437.0	413.0	313.0	165.0	89.0	85.0	85.0	84.0	85.0	90.0	92.0
27.5°	449.0	426.0	297.0	125.0	79.0	79.0	80.0	79.0	79.0	83.0	85.0
30°	466.0	439.0	274.0	93.0	73.0	72.0	73.0	73.0	73.0	76.0	78.0
32.5°	488.0	458.0	250.0	75.0	67.0	65.0	65.0	67.0	67.0	69.0	70.0
35°	518.0	483.0	222.0	66.0	62.0	59.0	57.0	59.0	61.0	62.0	63.0
37.5°	558.0	516.0	192.0	61.0	58.0	54.0	51.0	51.0	52.0	54.0	56.0
40°	623.0	554.0	155.0	58.0	55.0	49.0	45.0	44.0	44.0	45.0	46.0
42.5°	707.0	602.0	116.0	56.0	53.0	44.0	40.0	37.0	35.0	35.0	36.0
45°	807.0	659.0	86.0	53.0	52.0	40.0	35.0	31.0	26.0	25.0	26.0
47.5°	924.0	708.0	64.0	49.0	48.0	35.0	30.0	24.0	18.0	18.0	18.0
50°	1044.0	762.0	52.0	44.0	43.0	32.0	24.0	17.0	13.0	13.0	14.0
52.5°	1165.1	814.0	47.0	40.0	39.0	29.0	18.0	12.0	10.0	11.0	11.0
55°	1279.1	855.0	45.0	37.0	35.0	25.0	14.0	9.0	8.0	9.0	9.0
57.5°	1408.1	899.0	42.0	34.0	29.0	19.0	11.0	8.0	7.0	8.0	8.0
60°	1537.1	944.0	38.0	31.0	23.0	14.0	9.0	7.0	6.0	7.0	7.0
62.5°	1658.1	986.0	32.0	26.0	18.0	11.0	8.0	6.0	5.0	6.0	7.0
65°	1753.1	1012.0	23.0	20.0	14.0	10.0	7.0	5.0	4.0	5.0	6.0
67.5°	1795.1	999.0	17.0	15.0	11.0	8.0	6.0	4.0	3.0	4.0	5.0
70°	1723.1	924.0	12.0	11.0	8.0	7.0	5.0	3.0	2.0	3.0	4.0
72.5°	1397.1	700.0	10.0	9.0	6.0	6.0	5.0	3.0	2.0	2.0	2.0
75°	854.0	305.0	8.0	7.0	4.0	5.0	4.0	2.0	1.0	2.0	2.0
77.5°	313.0	68.0	6.0	4.0	3.0	4.0	3.0	2.0	1.0	1.0	1.0
80°	72.0	16.0	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
82.5°	18.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	7.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	1.0	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)