

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: P510909

Luminaire Tested: **PRV-P-C10-D-UNV-T4-7030-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510909
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-T4-7030-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 600mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4415 lumens
Efficiency: N/A
Efficacy: 127.6 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

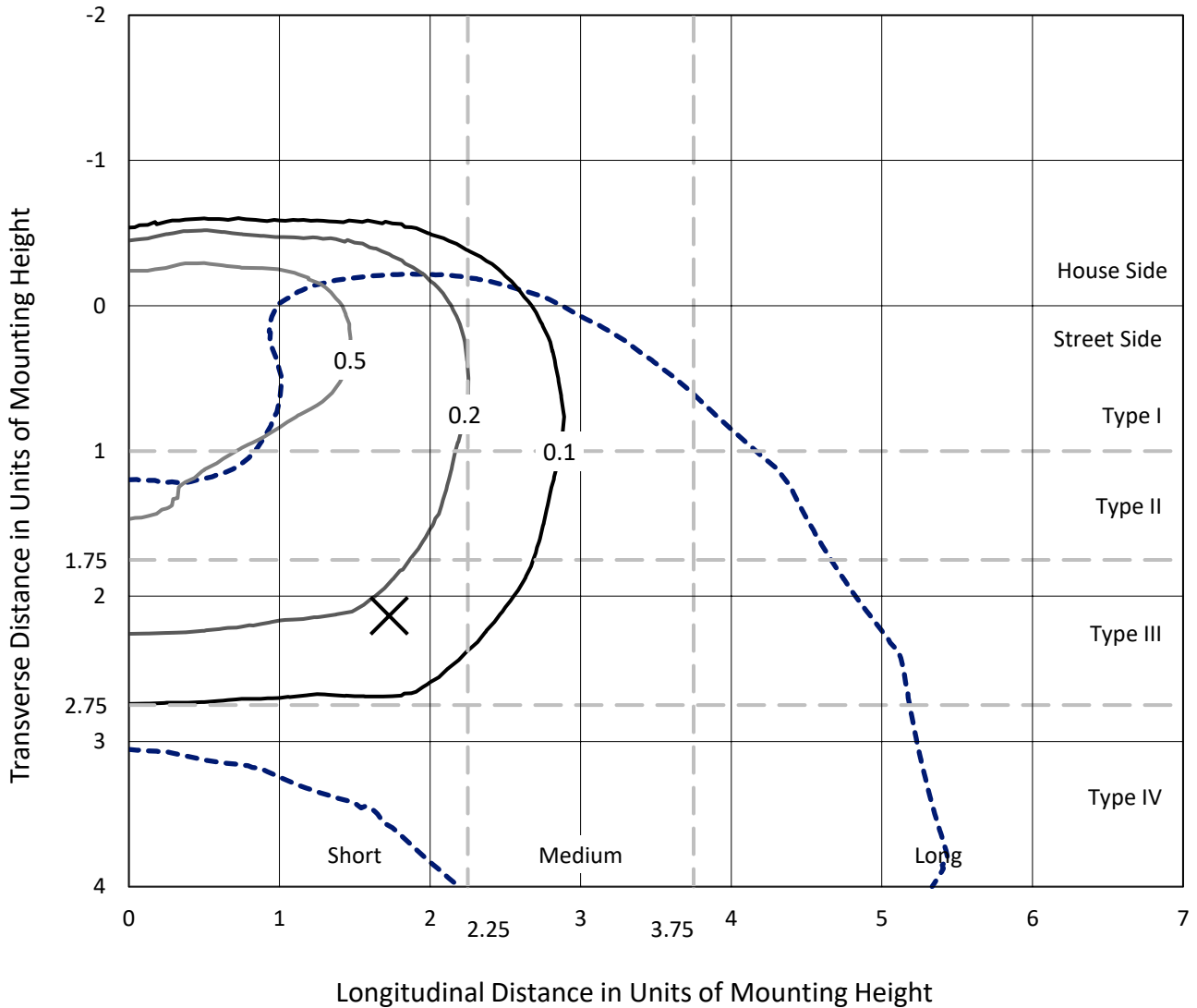
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

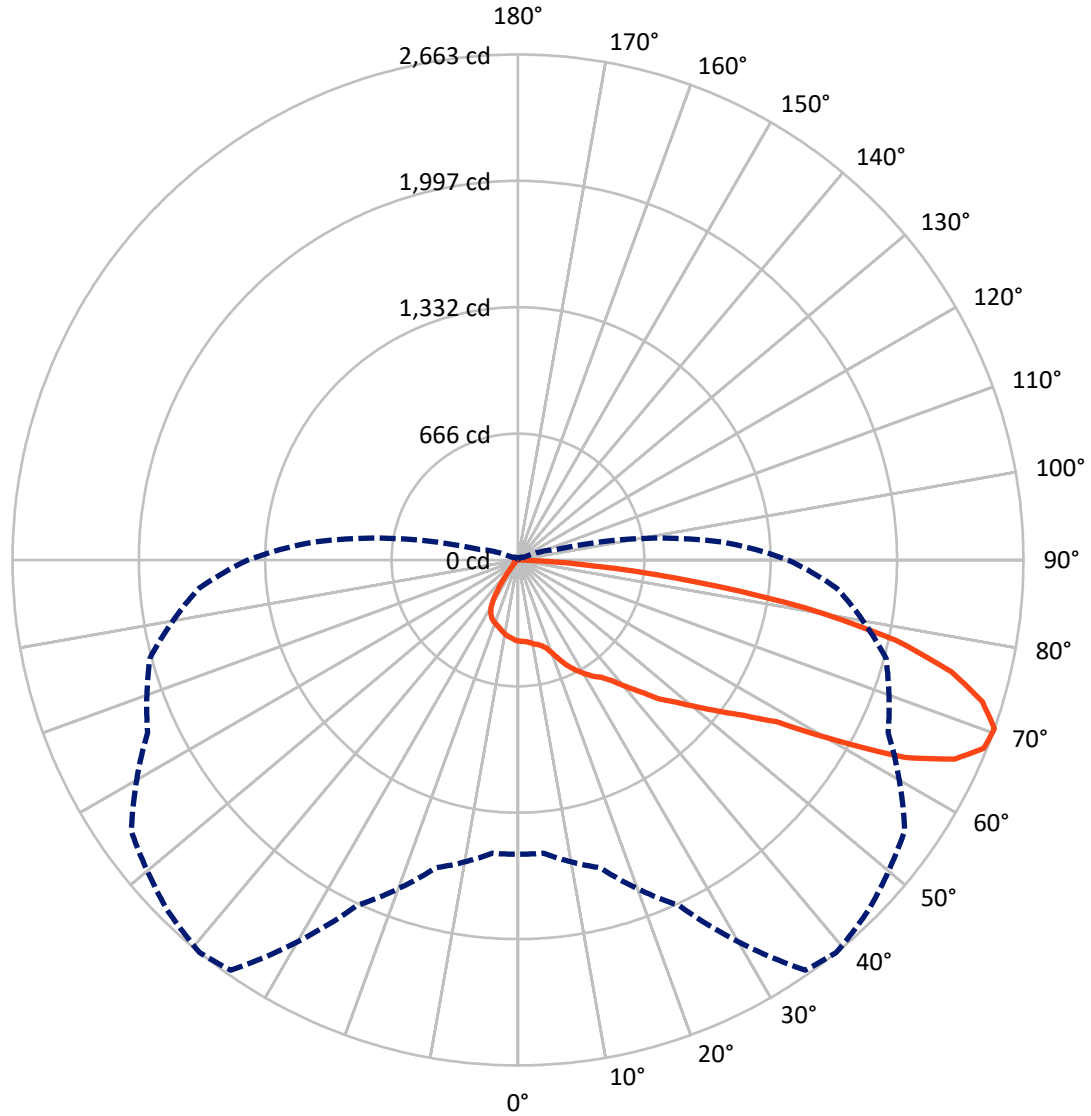
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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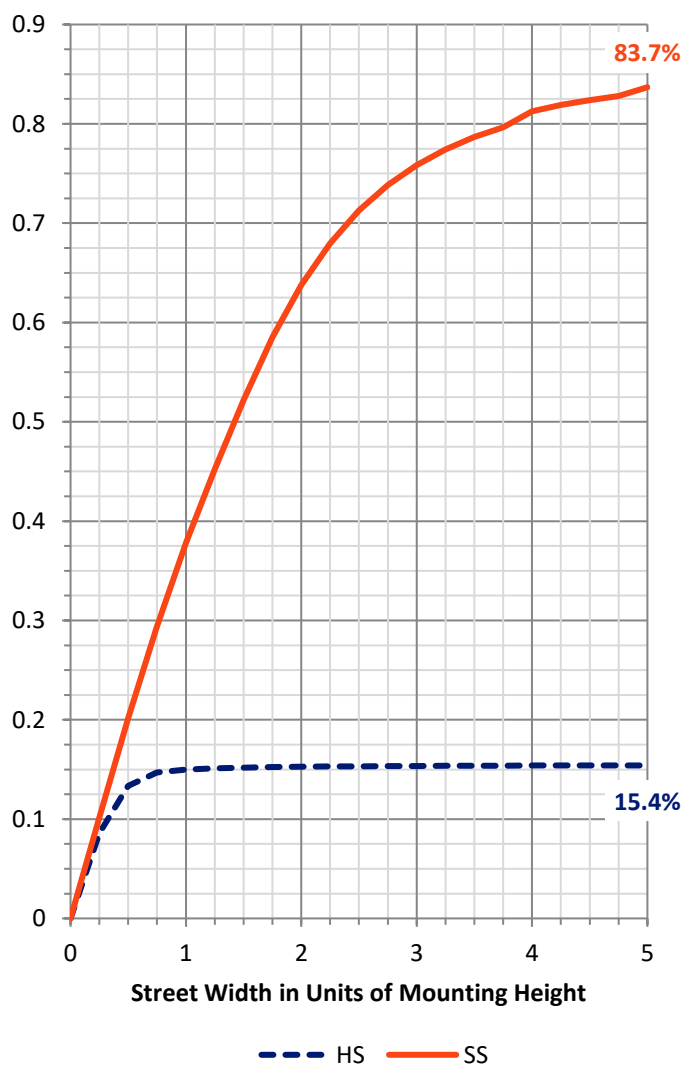
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	687.0	0.0	687.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3728.0	0.0	3728.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	4415.0	0.0	4415.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	0.9
10°-20°	124.1	2.8
20°-30°	232.7	5.3
30°-40°	367.3	8.3
40°-50°	572.3	13.0
50°-60°	866.0	19.6
60°-70°	1159.8	26.3
70°-80°	893.1	20.2
80°-90°	159.2	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°	4415.0	100.0
0°-180°	4415.0	100.0

Coefficient of Utilization

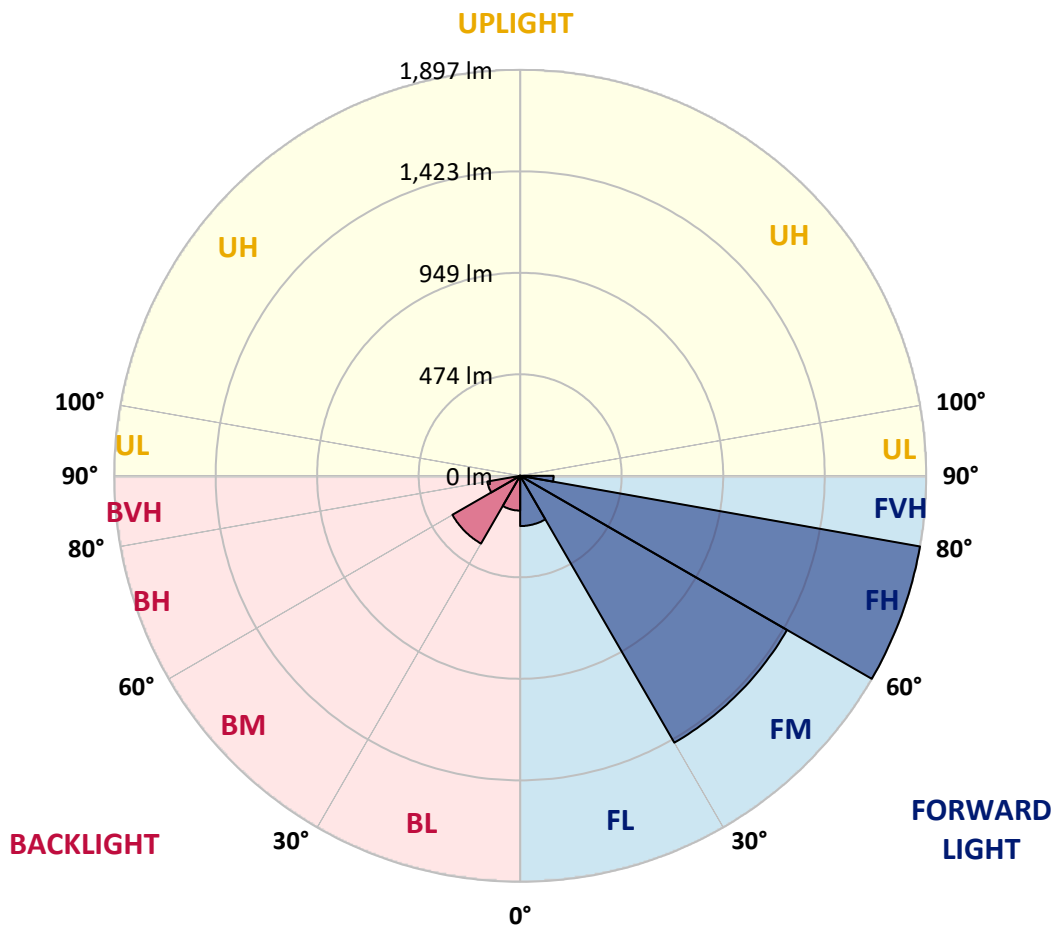


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.8	5.3			
FM (30°-60°)	1439.9	32.6			
FH (60°-80°)	1897.2	43.0			G2/5000
FVH (80°-90°)	156.1	3.5			G2/225
BL (0°-30°)	162.5	3.7	B1/500		
BM (30°-60°)	365.7	8.3	B1/1000		
BH (60°-80°)	155.6	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°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	427.2	429.1	429.1	429.1	429.1	429.1	429.1	428.2	429.1	431.1	429.1
5°	429.1	430.1	430.1	432.1	432.1	432.1	432.1	431.1	432.1	432.1	430.1
7.5°	434.1	434.1	435.0	437.0	439.0	439.0	439.0	439.9	439.9	438.0	437.0
10°	439.0	439.0	439.9	443.9	447.8	449.8	450.7	452.7	453.7	451.7	448.8
12.5°	444.9	444.9	445.8	449.8	454.7	456.6	459.6	463.5	465.5	464.5	460.6
15°	453.7	453.7	455.7	459.6	467.4	468.4	472.4	478.2	481.2	481.2	477.3
17.5°	484.1	486.1	484.1	483.2	487.1	489.0	492.0	498.9	504.8	504.8	503.8
20°	543.1	540.1	537.2	533.2	527.3	527.3	524.4	525.4	530.3	538.1	537.2
22.5°	596.1	597.1	594.1	587.3	577.4	574.5	568.6	566.6	566.6	574.5	576.4
25°	639.3	642.2	641.3	631.4	620.6	621.6	620.6	618.7	616.7	617.7	621.6
27.5°	674.7	675.6	672.7	666.8	659.9	659.9	659.9	663.8	673.7	673.7	674.7
30°	703.1	705.1	702.1	700.2	697.2	695.3	695.3	710.0	730.6	745.4	754.2
32.5°	763.0	756.2	747.3	727.7	730.6	730.6	732.6	752.2	787.6	815.1	843.6
35°	817.0	818.0	805.3	791.5	760.1	759.1	769.9	795.4	840.6	895.6	945.7
37.5°	887.8	887.8	876.9	852.4	822.9	807.2	802.3	837.7	899.5	993.8	1057.6
40°	979.1	979.1	960.4	926.0	887.8	876.9	857.3	884.8	969.3	1119.5	1180.4
42.5°	1042.9	1041.9	1029.2	993.8	962.4	949.6	940.8	949.6	1065.5	1255.0	1313.9
45°	1088.1	1094.0	1086.1	1070.4	1055.7	1043.9	1040.9	1060.6	1171.6	1393.5	1419.0
47.5°	1144.1	1149.0	1129.3	1121.5	1122.5	1119.5	1140.1	1193.2	1286.5	1512.3	1517.2
50°	1306.1	1301.2	1236.4	1204.9	1201.0	1213.8	1251.1	1301.2	1417.1	1622.3	1604.6
52.5°	1517.2	1481.9	1369.9	1315.9	1303.1	1322.8	1349.3	1423.9	1582.0	1730.3	1673.4
55°	1717.6	1697.9	1619.4	1480.9	1431.8	1444.6	1468.1	1536.9	1722.5	1819.7	1737.2
57.5°	1860.9	1855.0	1846.2	1782.4	1622.3	1607.6	1610.5	1656.7	1837.4	1919.9	1791.2
60°	1958.2	1972.9	2020.0	2012.2	1989.6	1931.6	1799.1	1783.4	1952.3	1984.7	1832.5
62.5°	2012.2	2020.0	2100.6	2167.3	2290.1	2293.0	2168.3	1927.7	2052.4	2034.8	1849.2
65°	1952.3	1968.0	2070.1	2207.6	2490.4	2528.7	2486.5	2170.3	2139.8	2059.3	1842.3
67.5°	1792.2	1795.1	1913.0	2166.3	2627.9	2647.5	2611.2	2445.2	2169.3	2047.5	1787.3
70°	1549.6	1551.6	1679.3	2008.2	2638.7	2663.3	2611.2	2487.5	2152.6	2008.2	1684.2
72.5°	1254.0	1276.6	1398.4	1745.1	2541.5	2559.2	2527.7	2429.5	2112.3	1937.5	1474.0
75°	946.7	954.5	1083.2	1368.0	2273.4	2360.8	2372.6	2325.4	2022.0	1695.0	1135.2
77.5°	603.0	611.8	737.5	1040.9	1868.8	2036.7	2134.9	2129.0	1735.2	1328.7	674.7
80°	282.8	285.8	420.3	708.0	1381.7	1537.9	1702.8	1719.5	1320.8	737.5	196.4
82.5°	79.5	88.4	161.1	394.8	879.9	940.8	1112.6	1043.9	429.1	87.4	28.5
85°	35.4	37.3	65.8	146.3	342.7	408.5	478.2	453.7	50.1	24.6	16.7
87.5°	20.6	21.6	26.5	38.3	53.0	54.0	67.8	59.9	11.8	10.8	5.9
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°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	429.1	428.2	428.2	427.2	425.2	423.3	421.3	420.3	418.3	418.3	416.4
5°	429.1	428.2	426.2	424.2	420.3	415.4	410.5	407.5	405.6	403.6	405.6
7.5°	436.0	434.1	430.1	425.2	418.3	410.5	403.6	397.7	393.8	392.8	392.8
10°	446.8	444.9	438.0	429.1	417.4	405.6	392.8	384.0	378.1	376.1	374.2
12.5°	457.6	455.7	446.8	433.1	416.4	396.7	379.1	367.3	357.5	355.5	352.5
15°	475.3	471.4	459.6	439.9	415.4	388.9	364.3	346.7	333.9	329.0	326.0
17.5°	500.8	496.9	482.2	454.7	421.3	384.0	349.6	321.1	301.5	292.6	290.7
20°	536.2	531.3	510.7	474.3	431.1	383.0	335.9	294.6	263.2	247.5	243.5
22.5°	577.4	571.5	546.0	496.9	441.9	382.0	322.1	270.1	226.8	201.3	189.5
25°	622.6	620.6	577.4	515.6	447.8	375.1	305.4	245.5	185.6	144.4	138.5
27.5°	679.6	668.8	606.9	528.3	445.8	360.4	284.8	206.2	128.6	99.2	94.3
30°	749.3	722.8	638.3	539.1	437.0	341.7	250.4	143.4	79.5	62.8	60.9
32.5°	825.9	782.7	667.8	543.1	422.3	314.2	187.6	84.5	47.1	36.3	36.3
35°	914.3	852.4	699.2	539.1	395.8	264.2	115.9	45.2	25.5	22.6	22.6
37.5°	1020.3	943.7	731.6	526.4	359.4	197.4	65.8	22.6	20.6	19.6	19.6
40°	1138.2	1052.7	776.8	504.8	309.3	130.6	29.5	19.6	19.6	18.7	18.7
42.5°	1252.1	1152.9	830.8	477.3	252.4	74.6	22.6	20.6	17.7	16.7	16.7
45°	1355.2	1239.3	876.9	443.9	187.6	36.3	23.6	17.7	15.7	15.7	15.7
47.5°	1440.6	1319.8	910.3	409.5	125.7	25.5	24.6	16.7	14.7	13.7	13.7
50°	1517.2	1376.8	929.0	365.3	67.8	25.5	21.6	16.7	13.7	13.7	13.7
52.5°	1581.1	1426.9	932.9	307.4	33.4	25.5	22.6	16.7	12.8	14.7	14.7
55°	1632.1	1455.4	916.2	242.6	28.5	23.6	22.6	15.7	12.8	15.7	16.7
57.5°	1672.4	1467.1	880.9	166.9	28.5	22.6	22.6	14.7	11.8	12.8	12.8
60°	1690.1	1468.1	829.8	93.3	27.5	22.6	21.6	14.7	10.8	8.8	8.8
62.5°	1685.2	1446.5	741.4	48.1	24.6	21.6	19.6	13.7	8.8	5.9	5.9
65°	1648.8	1390.5	627.5	35.4	22.6	20.6	18.7	12.8	7.9	4.9	4.9
67.5°	1567.3	1279.6	461.6	32.4	23.6	19.6	16.7	11.8	6.9	3.9	3.9
70°	1423.0	1084.2	217.0	30.4	24.6	19.6	15.7	10.8	5.9	2.9	2.9
72.5°	1139.1	744.4	51.1	26.5	23.6	18.7	15.7	8.8	3.9	2.0	2.0
75°	749.3	344.7	38.3	22.6	21.6	16.7	13.7	9.8	3.9	1.0	1.0
77.5°	327.0	62.8	34.4	17.7	21.6	18.7	11.8	6.9	2.0	0.0	0.0
80°	47.1	35.4	33.4	11.8	19.6	10.8	4.9	2.0	1.0	0.0	0.0
82.5°	24.6	30.4	30.4	6.9	8.8	2.0	2.0	1.0	0.0	0.0	0.0
85°	18.7	27.5	11.8	4.9	2.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	5.9	3.9	2.9	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)