

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: P511059

Luminaire Tested: **PRV-P-C25-D-UNV-T4-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511059
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-C25-D-UNV-T4-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1650mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10848 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

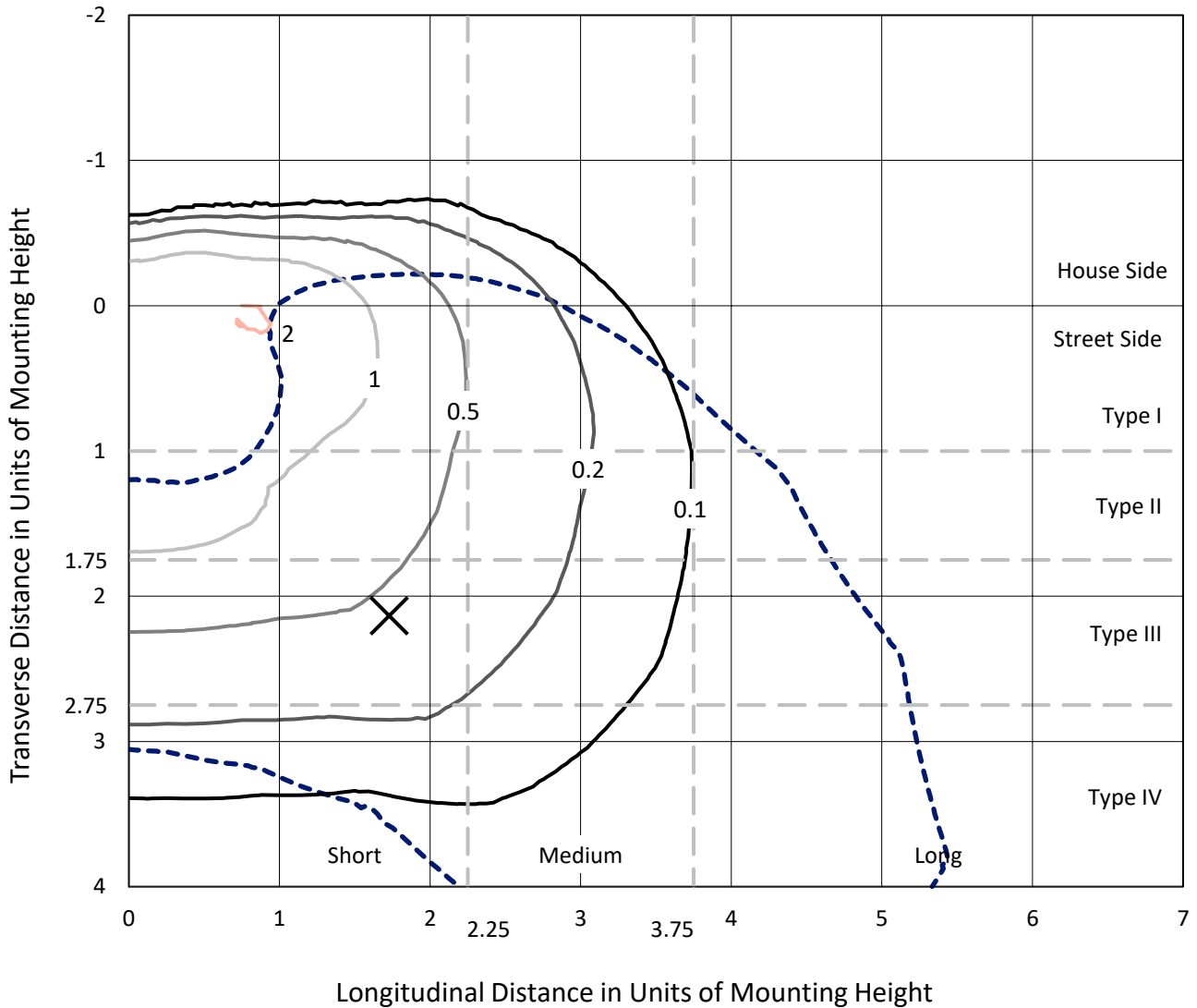
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511059
 CATALOG NUMBER: PRV-P-C25-D-UNV-T4-HSS

Iso-Footcandle Lines of Horizontal Illumination

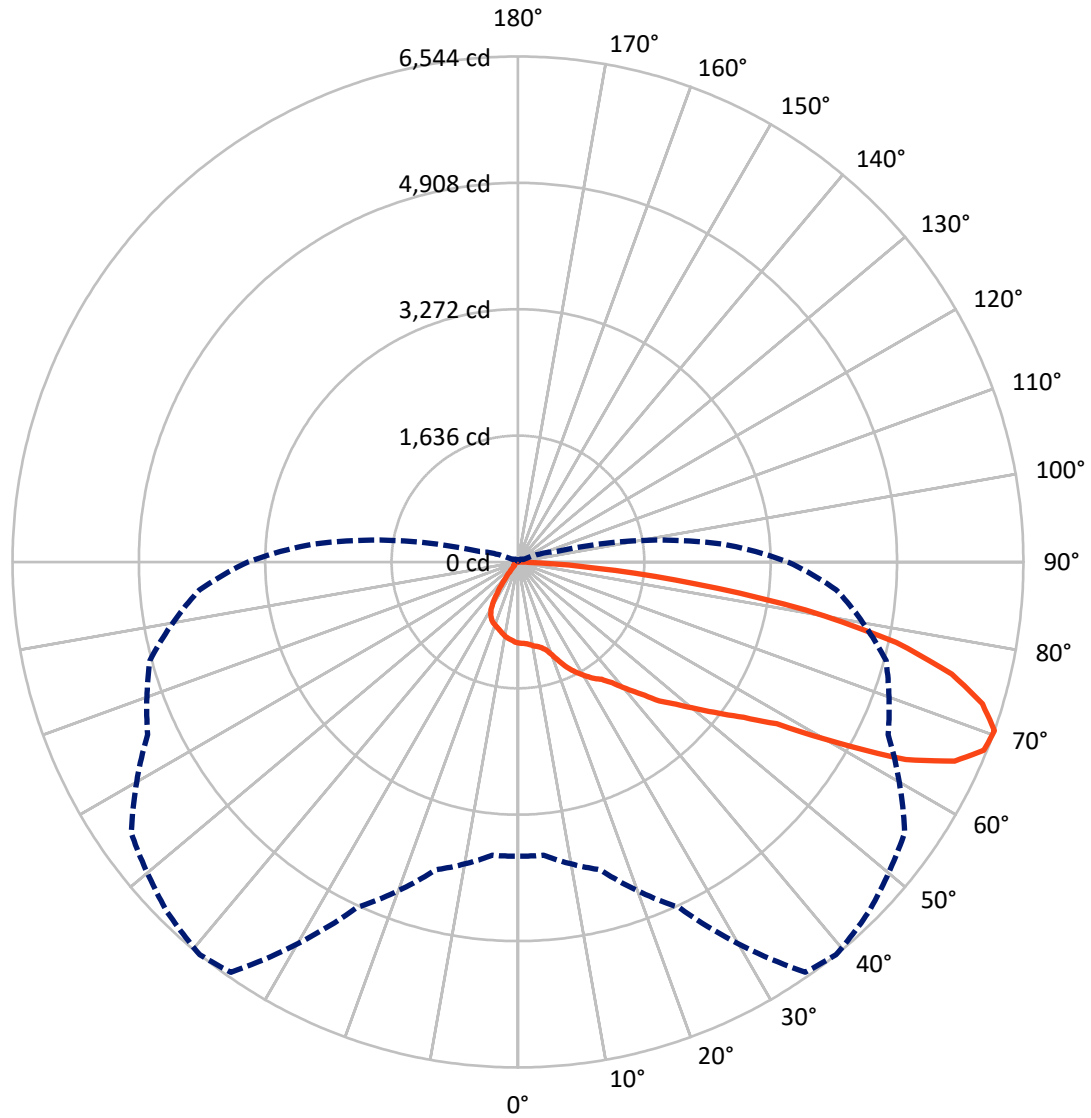
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P511059
CATALOG NUMBER: PRV-P-C25-D-UNV-T4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P511059
 CATALOG NUMBER: PRV-P-C25-D-UNV-T4-HSS

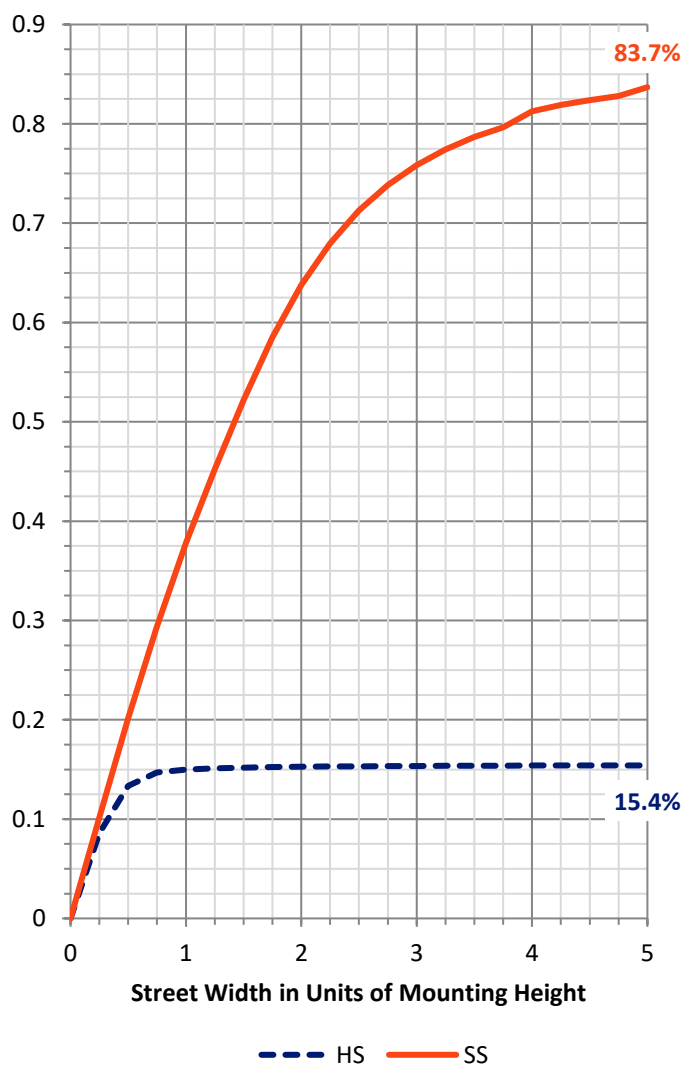
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1687.9	0.0	1687.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	9160.1	0.0	9160.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	10848.0	0.0	10848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	0.9
10°-20°	305.0	2.8
20°-30°	571.7	5.3
30°-40°	902.5	8.3
40°-50°	1406.2	13.0
50°-60°	2127.8	19.6
60°-70°	2849.7	26.3
70°-80°	2194.3	20.2
80°-90°	391.1	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°	10848.0	100.0
0°-180°	10848.0	100.0

Coefficient of Utilization



REPORT NUMBER: P511059

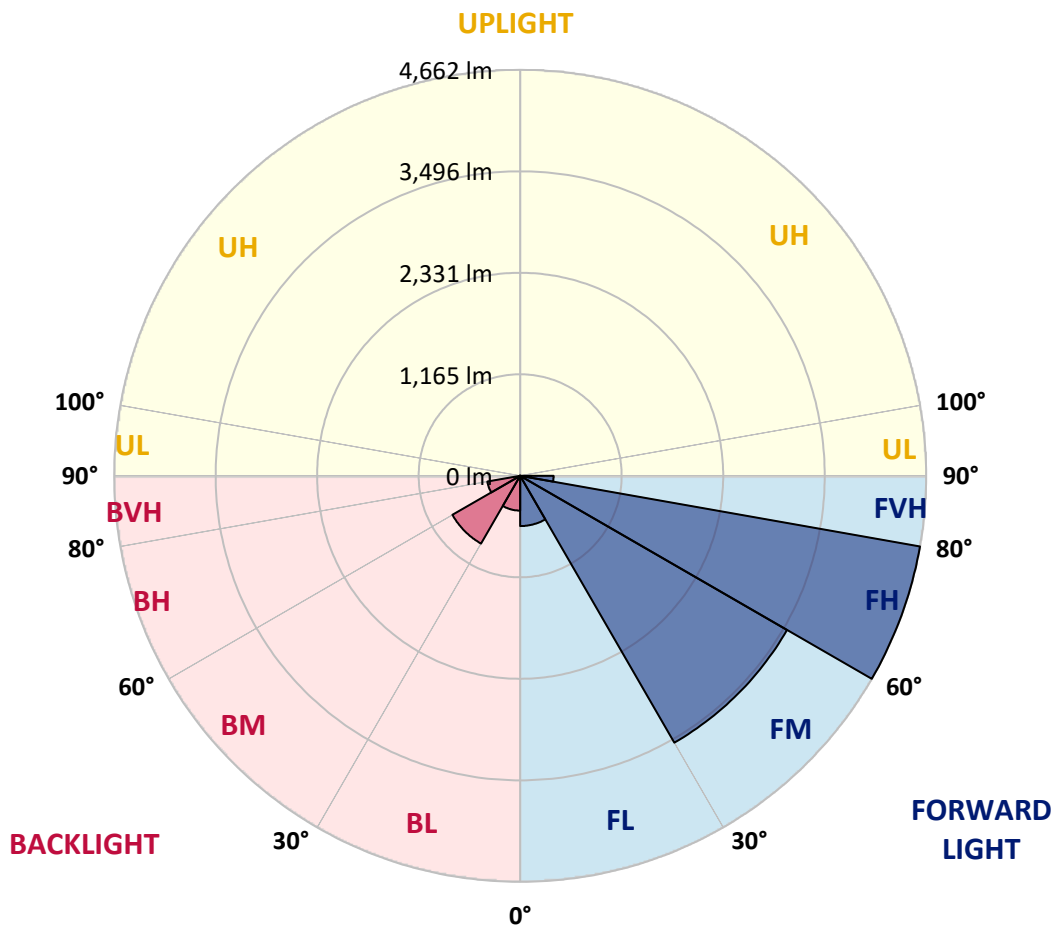
CATALOG NUMBER: PRV-P-C25-D-UNV-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.0	5.3			
FM (30°-60°)	3537.9	32.6			
FH (60°-80°)	4661.6	43.0			G2/5000
FVH (80°-90°)	383.6	3.5			G3/500
BL (0°-30°)	399.4	3.7	B1/500		
BM (30°-60°)	898.6	8.3	B1/1000		
BH (60°-80°)	382.4	3.5	B1/500		G1/500
BVH (80°-90°)	7.5	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-G3

Type IV Short





REPORT NUMBER: P511059

CATALOG NUMBER: PRV-P-C25-D-UNV-T4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6
2.5°	1049.6	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1052.0	1054.4	1059.3	1054.4
5°	1054.4	1056.9	1056.9	1061.7	1061.7	1061.7	1061.7	1059.3	1061.7	1061.7	1056.9
7.5°	1066.5	1066.5	1068.9	1073.7	1078.6	1078.6	1078.6	1081.0	1081.0	1076.2	1073.7
10°	1078.6	1078.6	1081.0	1090.6	1100.3	1105.1	1107.5	1112.4	1114.8	1109.9	1102.7
12.5°	1093.0	1093.0	1095.5	1105.1	1117.2	1122.0	1129.2	1138.9	1143.7	1141.3	1131.7
15°	1114.8	1114.8	1119.6	1129.2	1148.5	1151.0	1160.6	1175.1	1182.3	1182.3	1172.7
17.5°	1189.6	1194.4	1189.6	1187.2	1196.8	1201.6	1208.9	1225.8	1240.2	1240.2	1237.8
20°	1334.3	1327.1	1319.9	1310.2	1295.7	1295.7	1288.5	1290.9	1303.0	1322.3	1319.9
22.5°	1464.6	1467.1	1459.8	1442.9	1418.8	1411.6	1397.1	1392.2	1392.2	1411.6	1416.4
25°	1570.8	1578.0	1575.6	1551.5	1525.0	1527.4	1525.0	1520.1	1515.3	1517.7	1527.4
27.5°	1657.7	1660.1	1652.8	1638.4	1621.5	1621.5	1621.5	1631.1	1655.3	1655.3	1657.7
30°	1727.6	1732.5	1725.2	1720.4	1713.2	1708.3	1708.3	1744.5	1795.2	1831.4	1853.1
32.5°	1874.8	1857.9	1836.2	1788.0	1795.2	1795.2	1800.0	1848.3	1935.2	2002.7	2072.7
35°	2007.5	2010.0	1978.6	1944.8	1867.6	1865.2	1891.7	1954.5	2065.5	2200.6	2323.6
37.5°	2181.3	2181.3	2154.7	2094.4	2022.0	1983.4	1971.3	2058.2	2210.2	2441.9	2598.7
40°	2405.7	2405.7	2359.8	2275.4	2181.3	2154.7	2106.5	2174.0	2381.5	2750.7	2900.3
42.5°	2562.5	2560.1	2528.7	2441.9	2364.7	2333.3	2311.6	2333.3	2618.0	3083.7	3228.5
45°	2673.5	2688.0	2668.7	2630.1	2593.9	2564.9	2557.7	2605.9	2878.6	3423.9	3486.7
47.5°	2811.0	2823.1	2774.8	2755.5	2758.0	2750.7	2801.4	2931.7	3160.9	3715.9	3727.9
50°	3209.2	3197.1	3037.9	2960.6	2951.0	2982.4	3074.0	3197.1	3481.8	3986.1	3942.7
52.5°	3727.9	3641.1	3366.0	3233.3	3201.9	3250.2	3315.3	3498.7	3887.2	4251.5	4111.6
55°	4220.2	4171.9	3978.9	3638.7	3518.0	3549.4	3607.3	3776.2	4232.2	4471.1	4268.4
57.5°	4572.5	4558.0	4536.3	4379.4	3986.1	3949.9	3957.2	4070.6	4514.6	4717.2	4401.2
60°	4811.3	4847.5	4963.4	4944.1	4888.6	4746.2	4420.5	4381.8	4796.9	4876.5	4502.5
62.5°	4944.1	4963.4	5161.2	5325.3	5626.9	5634.1	5327.7	4736.5	5043.0	4999.6	4543.5
65°	4796.9	4835.5	5086.4	5424.2	6119.1	6213.2	6109.5	5332.5	5257.7	5059.9	4526.6
67.5°	4403.6	4410.8	4700.4	5322.9	6457.0	6505.2	6415.9	6008.1	5330.1	5030.9	4391.5
70°	3807.6	3812.4	4126.1	4934.4	6483.5	6543.8	6415.9	6111.9	5289.1	4934.4	4138.1
72.5°	3081.3	3136.8	3436.0	4287.7	6244.6	6288.0	6210.8	5969.5	5190.2	4760.7	3621.8
75°	2326.0	2345.3	2661.4	3361.2	5585.9	5800.6	5829.6	5713.8	4968.2	4164.7	2789.3
77.5°	1481.5	1503.2	1812.1	2557.7	4591.8	5004.4	5245.7	5231.2	4263.6	3264.7	1657.7
80°	694.9	702.2	1032.7	1739.7	3395.0	3778.6	4184.0	4225.0	3245.4	1812.1	482.6
82.5°	195.4	217.2	395.7	970.0	2162.0	2311.6	2733.8	2564.9	1054.4	214.7	70.0
85°	86.9	91.7	161.7	359.5	842.1	1003.8	1175.1	1114.8	123.1	60.3	41.0
87.5°	50.7	53.1	65.1	94.1	130.3	132.7	166.5	147.2	29.0	26.5	14.5
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: P511059
 CATALOG NUMBER: PRV-P-C25-D-UNV-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6
2.5°	1054.4	1052.0	1052.0	1049.6	1044.8	1040.0	1035.1	1032.7	1027.9	1027.9	1023.1
5°	1054.4	1052.0	1047.2	1042.4	1032.7	1020.7	1008.6	1001.4	996.5	991.7	996.5
7.5°	1071.3	1066.5	1056.9	1044.8	1027.9	1008.6	991.7	977.2	967.6	965.2	965.2
10°	1097.9	1093.0	1076.2	1054.4	1025.5	996.5	965.2	943.4	929.0	924.1	919.3
12.5°	1124.4	1119.6	1097.9	1064.1	1023.1	974.8	931.4	902.4	878.3	873.5	866.2
15°	1167.8	1158.2	1129.2	1081.0	1020.7	955.5	895.2	851.8	820.4	808.3	801.1
17.5°	1230.6	1220.9	1184.7	1117.2	1035.1	943.4	859.0	789.0	740.8	719.0	714.2
20°	1317.4	1305.4	1254.7	1165.4	1059.3	941.0	825.2	723.9	646.7	608.1	598.4
22.5°	1418.8	1404.3	1341.6	1220.9	1085.8	938.6	791.4	663.6	557.4	494.6	465.7
25°	1529.8	1525.0	1418.8	1266.8	1100.3	921.7	750.4	603.2	456.0	354.7	340.2
27.5°	1669.7	1643.2	1491.2	1298.1	1095.5	885.5	699.7	506.7	316.1	243.7	231.6
30°	1841.1	1775.9	1568.4	1324.7	1073.7	839.7	615.3	352.3	195.4	154.4	149.6
32.5°	2029.3	1923.1	1640.8	1334.3	1037.6	772.1	460.9	207.5	115.8	89.3	89.3
35°	2246.4	2094.4	1718.0	1324.7	972.4	649.1	284.7	111.0	62.7	55.5	55.5
37.5°	2507.0	2318.8	1797.6	1293.3	883.1	485.0	161.7	55.5	50.7	48.3	48.3
40°	2796.6	2586.6	1908.6	1240.2	760.1	320.9	72.4	48.3	48.3	45.8	45.8
42.5°	3076.5	2832.8	2041.3	1172.7	620.1	183.4	55.5	50.7	43.4	41.0	41.0
45°	3329.8	3045.1	2154.7	1090.6	460.9	89.3	57.9	43.4	38.6	38.6	38.6
47.5°	3539.7	3243.0	2236.8	1006.2	308.9	62.7	60.3	41.0	36.2	33.8	33.8
50°	3727.9	3382.9	2282.6	897.6	166.5	62.7	53.1	41.0	33.8	33.8	33.8
52.5°	3884.8	3506.0	2292.3	755.2	82.0	62.7	55.5	41.0	31.4	36.2	36.2
55°	4010.3	3575.9	2251.2	596.0	70.0	57.9	55.5	38.6	31.4	38.6	41.0
57.5°	4109.2	3604.9	2164.4	410.2	70.0	55.5	55.5	36.2	29.0	31.4	31.4
60°	4152.6	3607.3	2038.9	229.2	67.6	55.5	53.1	36.2	26.5	21.7	21.7
62.5°	4140.6	3554.2	1821.7	118.2	60.3	53.1	48.3	33.8	21.7	14.5	14.5
65°	4051.3	3416.7	1541.9	86.9	55.5	50.7	45.8	31.4	19.3	12.1	12.1
67.5°	3851.0	3144.0	1134.1	79.6	57.9	48.3	41.0	29.0	16.9	9.7	9.7
70°	3496.3	2663.9	533.3	74.8	60.3	48.3	38.6	26.5	14.5	7.2	7.2
72.5°	2799.0	1829.0	125.5	65.1	57.9	45.8	38.6	21.7	9.7	4.8	4.8
75°	1841.1	846.9	94.1	55.5	53.1	41.0	33.8	24.1	9.7	2.4	2.4
77.5°	803.5	154.4	84.5	43.4	53.1	45.8	29.0	16.9	4.8	0.0	0.0
80°	115.8	86.9	82.0	29.0	48.3	26.5	12.1	4.8	2.4	0.0	0.0
82.5°	60.3	74.8	74.8	16.9	21.7	4.8	4.8	2.4	0.0	0.0	0.0
85°	45.8	67.6	29.0	12.1	4.8	2.4	2.4	2.4	0.0	0.0	0.0
87.5°	14.5	9.7	7.2	4.8	2.4	2.4	2.4	2.4	2.4	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)