

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: P511011

Luminaire Tested: **PRV-P-C20-D-UNV-T4-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511011
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-C20-D-UNV-T4-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1300mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8984 lumens
Efficiency: N/A
Efficacy: 123.4 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

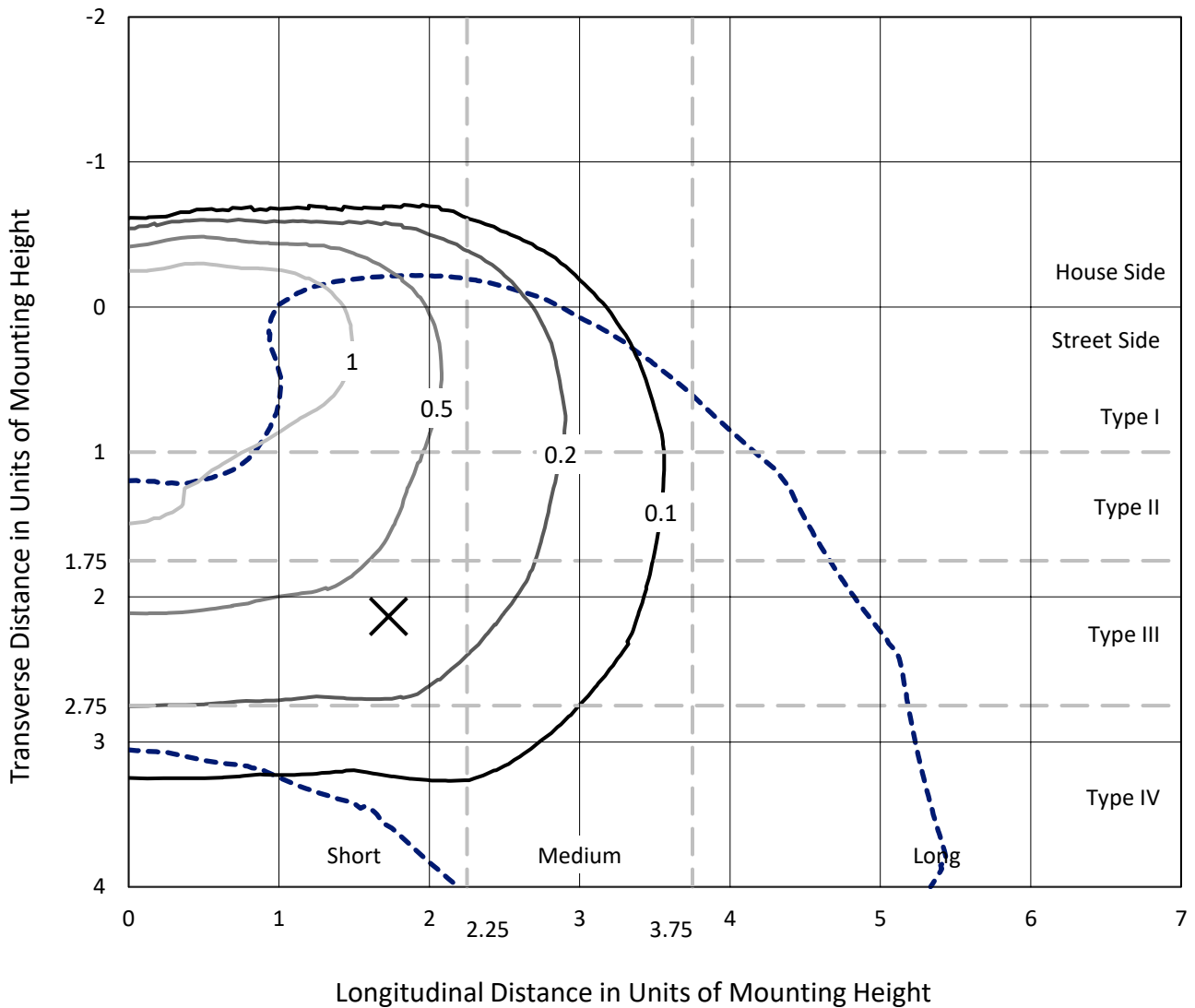
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511011
 CATALOG NUMBER: PRV-P-C20-D-UNV-T4-HSS

Iso-Footcandle Lines of Horizontal Illumination

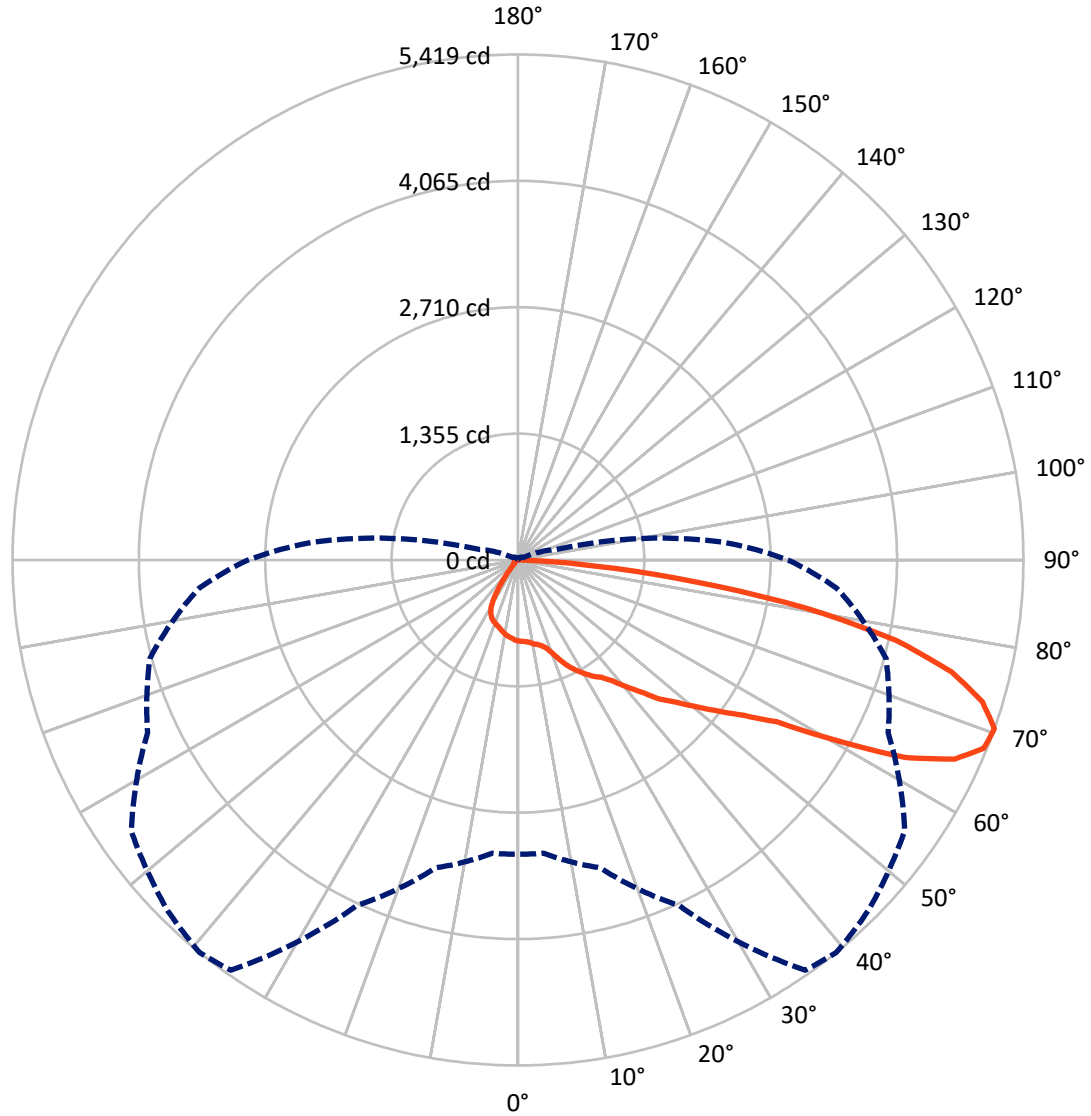
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P511011
CATALOG NUMBER: PRV-P-C20-D-UNV-T4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P511011
 CATALOG NUMBER: PRV-P-C20-D-UNV-T4-HSS

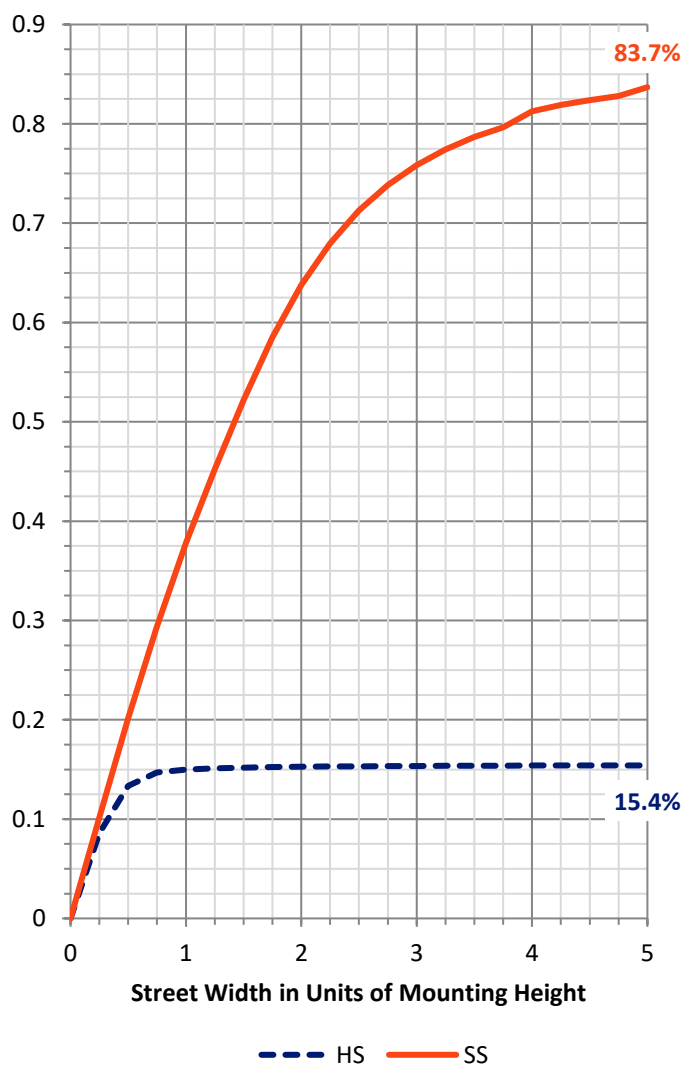
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1397.9	0.0	1397.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	7586.1	0.0	7586.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	8984.0	0.0	8984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	0.9
10°-20°	252.6	2.8
20°-30°	473.4	5.3
30°-40°	747.4	8.3
40°-50°	1164.6	13.0
50°-60°	1762.2	19.6
60°-70°	2360.0	26.3
70°-80°	1817.3	20.2
80°-90°	323.9	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°	8984.0	100.0
0°-180°	8984.0	100.0

Coefficient of Utilization

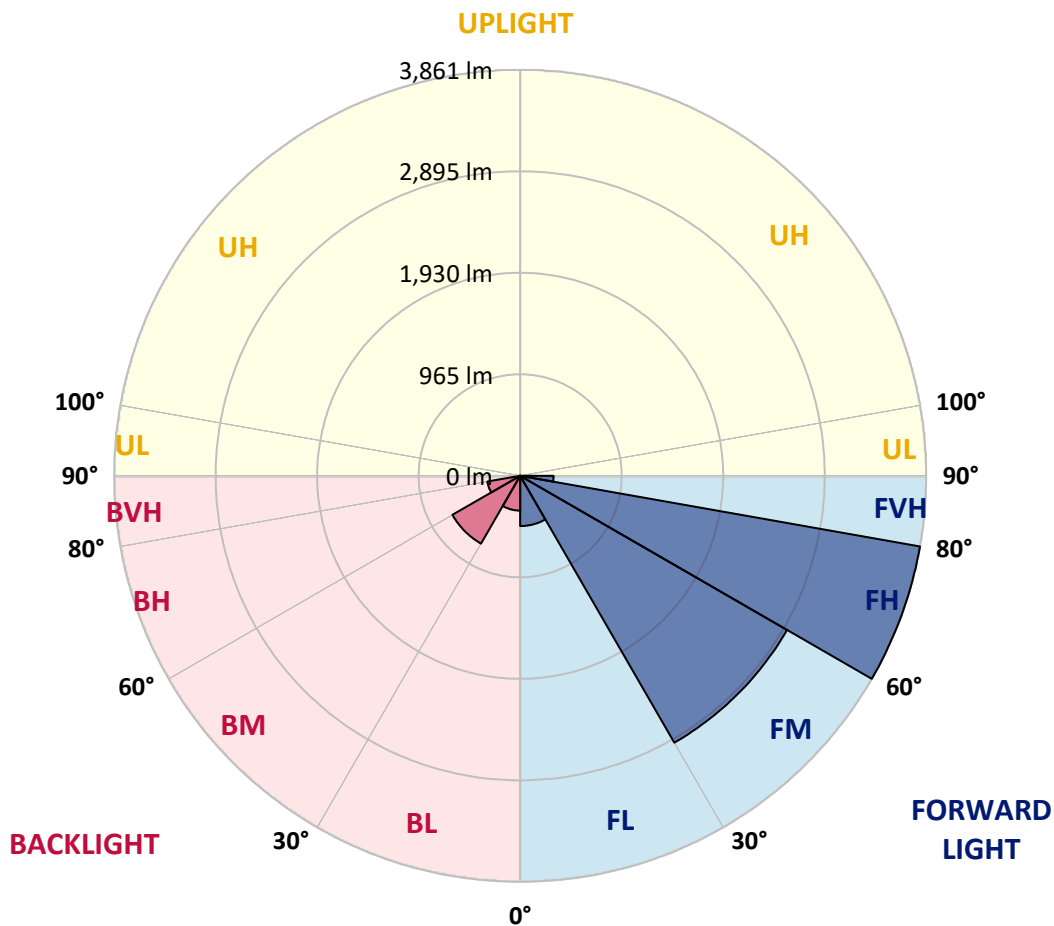


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.9	5.3			
FM (30°-60°)	2930.0	32.6			
FH (60°-80°)	3860.6	43.0			G2/5000
FVH (80°-90°)	317.7	3.5			G3/500
BL (0°-30°)	330.7	3.7	B1/500		
BM (30°-60°)	744.2	8.3	B1/1000		
BH (60°-80°)	316.7	3.5	B1/500		G1/500
BVH (80°-90°)	6.2	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: P511011

CATALOG NUMBER: PRV-P-C20-D-UNV-T4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3
2.5°	869.3	873.3	873.3	873.3	873.3	873.3	873.3	871.3	873.3	877.3	873.3
5°	873.3	875.3	875.3	879.3	879.3	879.3	879.3	877.3	879.3	879.3	875.3
7.5°	883.3	883.3	885.2	889.2	893.2	893.2	893.2	895.2	895.2	891.2	889.2
10°	893.2	893.2	895.2	903.2	911.2	915.2	917.2	921.2	923.2	919.2	913.2
12.5°	905.2	905.2	907.2	915.2	925.2	929.2	935.2	943.2	947.2	945.2	937.2
15°	923.2	923.2	927.2	935.2	951.2	953.2	961.2	973.2	979.2	979.2	971.2
17.5°	985.2	989.2	985.2	983.2	991.2	995.2	1001.1	1015.1	1027.1	1027.1	1025.1
20°	1105.1	1099.1	1093.1	1085.1	1073.1	1073.1	1067.1	1069.1	1079.1	1095.1	1093.1
22.5°	1213.0	1215.0	1209.0	1195.0	1175.0	1169.0	1157.0	1153.0	1153.0	1169.0	1173.0
25°	1300.9	1306.9	1304.9	1284.9	1262.9	1264.9	1262.9	1258.9	1254.9	1256.9	1264.9
27.5°	1372.8	1374.8	1368.8	1356.8	1342.9	1342.9	1342.9	1350.9	1370.8	1370.8	1372.8
30°	1430.8	1434.8	1428.8	1424.8	1418.8	1414.8	1414.8	1444.8	1486.7	1516.7	1534.7
32.5°	1552.7	1538.7	1520.7	1480.7	1486.7	1486.7	1490.7	1530.7	1602.6	1658.6	1716.5
35°	1662.6	1664.6	1638.6	1610.6	1546.7	1544.7	1566.7	1618.6	1710.5	1822.5	1924.4
37.5°	1806.5	1806.5	1784.5	1734.5	1674.6	1642.6	1632.6	1704.6	1830.4	2022.3	2152.2
40°	1992.3	1992.3	1954.3	1884.4	1806.5	1784.5	1744.5	1800.5	1972.3	2278.1	2402.0
42.5°	2122.2	2120.2	2094.2	2022.3	1958.3	1932.4	1914.4	1932.4	2168.2	2553.8	2673.7
45°	2214.1	2226.1	2210.1	2178.2	2148.2	2124.2	2118.2	2158.2	2384.0	2835.6	2887.5
47.5°	2328.0	2338.0	2298.0	2282.1	2284.1	2278.1	2320.0	2427.9	2617.8	3077.4	3087.4
50°	2657.7	2647.8	2515.9	2451.9	2443.9	2469.9	2545.8	2647.8	2883.6	3301.2	3265.2
52.5°	3087.4	3015.4	2787.6	2677.7	2651.7	2691.7	2745.7	2897.5	3219.3	3521.0	3405.1
55°	3495.0	3455.1	3295.2	3013.4	2913.5	2939.5	2987.5	3127.3	3505.0	3702.9	3535.0
57.5°	3786.8	3774.8	3756.8	3626.9	3301.2	3271.2	3277.2	3371.1	3738.8	3906.7	3644.9
60°	3984.6	4014.6	4110.5	4094.5	4048.6	3930.7	3660.9	3628.9	3972.6	4038.6	3728.8
62.5°	4094.5	4110.5	4274.4	4410.3	4660.0	4666.0	4412.3	3922.7	4176.5	4140.5	3762.8
65°	3972.6	4004.6	4212.4	4492.2	5067.7	5145.6	5059.7	4416.3	4354.3	4190.4	3748.8
67.5°	3646.9	3652.9	3892.7	4408.3	5347.5	5387.4	5313.5	4975.8	4414.3	4166.5	3636.9
70°	3153.3	3157.3	3417.1	4086.5	5369.4	5419.4	5313.5	5061.7	4380.3	4086.5	3427.1
72.5°	2551.8	2597.8	2845.6	3551.0	5171.6	5207.6	5143.6	4943.8	4298.4	3942.7	2999.5
75°	1926.4	1942.4	2204.1	2783.6	4626.1	4803.9	4827.9	4732.0	4114.5	3449.1	2310.0
77.5°	1227.0	1244.9	1500.7	2118.2	3802.8	4144.5	4344.3	4332.3	3531.0	2703.7	1372.8
80°	575.5	581.5	855.3	1440.8	2811.6	3129.3	3465.1	3499.0	2687.7	1500.7	399.7
82.5°	161.9	179.8	327.7	803.3	1790.5	1914.4	2264.1	2124.2	873.3	177.8	58.0
85°	71.9	75.9	133.9	297.7	697.4	831.3	973.2	923.2	101.9	50.0	34.0
87.5°	42.0	44.0	54.0	77.9	107.9	109.9	137.9	121.9	24.0	22.0	12.0
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°	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3
2.5°	873.3	871.3	871.3	869.3	865.3	861.3	857.3	855.3	851.3	851.3	847.3
5°	873.3	871.3	867.3	863.3	855.3	845.3	835.3	829.3	825.3	821.3	825.3
7.5°	887.2	883.3	875.3	865.3	851.3	835.3	821.3	809.3	801.3	799.3	799.3
10°	909.2	905.2	891.2	873.3	849.3	825.3	799.3	781.3	769.3	765.4	761.4
12.5°	931.2	927.2	909.2	881.3	847.3	807.3	771.3	747.4	727.4	723.4	717.4
15°	967.2	959.2	935.2	895.2	845.3	791.3	741.4	705.4	679.4	669.4	663.4
17.5°	1019.1	1011.1	981.2	925.2	857.3	781.3	711.4	653.4	613.5	595.5	591.5
20°	1091.1	1081.1	1039.1	965.2	877.3	779.3	683.4	599.5	535.5	503.6	495.6
22.5°	1175.0	1163.0	1111.1	1011.1	899.2	777.3	655.4	549.5	461.6	409.7	385.7
25°	1266.9	1262.9	1175.0	1049.1	911.2	763.4	621.5	499.6	377.7	293.8	281.8
27.5°	1382.8	1360.8	1235.0	1075.1	907.2	733.4	579.5	419.6	261.8	201.8	191.8
30°	1524.7	1470.8	1298.9	1097.1	889.2	695.4	509.6	291.8	161.9	127.9	123.9
32.5°	1680.6	1592.6	1358.8	1105.1	859.3	639.5	381.7	171.9	95.9	73.9	73.9
35°	1860.4	1734.5	1422.8	1097.1	805.3	537.5	235.8	91.9	52.0	46.0	46.0
37.5°	2076.2	1920.4	1488.7	1071.1	731.4	401.7	133.9	46.0	42.0	40.0	40.0
40°	2316.0	2142.2	1580.7	1027.1	629.5	265.8	59.9	40.0	40.0	38.0	38.0
42.5°	2547.8	2346.0	1690.6	971.2	513.6	151.9	46.0	42.0	36.0	34.0	34.0
45°	2757.7	2521.9	1784.5	903.2	381.7	73.9	48.0	36.0	32.0	32.0	32.0
47.5°	2931.5	2685.7	1852.4	833.3	255.8	52.0	50.0	34.0	30.0	28.0	28.0
50°	3087.4	2801.6	1890.4	743.4	137.9	52.0	44.0	34.0	28.0	28.0	28.0
52.5°	3217.3	2903.5	1898.4	625.5	67.9	52.0	46.0	34.0	26.0	30.0	30.0
55°	3321.2	2961.5	1864.4	493.6	58.0	48.0	46.0	32.0	26.0	32.0	34.0
57.5°	3403.1	2985.5	1792.5	339.7	58.0	46.0	46.0	30.0	24.0	26.0	26.0
60°	3439.1	2987.5	1688.6	189.8	56.0	46.0	44.0	30.0	22.0	18.0	18.0
62.5°	3429.1	2943.5	1508.7	97.9	50.0	44.0	40.0	28.0	18.0	12.0	12.0
65°	3355.2	2829.6	1276.9	71.9	46.0	42.0	38.0	26.0	16.0	10.0	10.0
67.5°	3189.3	2603.8	939.2	65.9	48.0	40.0	34.0	24.0	14.0	8.0	8.0
70°	2895.5	2206.1	441.6	61.9	50.0	40.0	32.0	22.0	12.0	6.0	6.0
72.5°	2318.0	1514.7	103.9	54.0	48.0	38.0	32.0	18.0	8.0	4.0	4.0
75°	1524.7	701.4	77.9	46.0	44.0	34.0	28.0	20.0	8.0	2.0	2.0
77.5°	665.4	127.9	69.9	36.0	44.0	38.0	24.0	14.0	4.0	0.0	0.0
80°	95.9	71.9	67.9	24.0	40.0	22.0	10.0	4.0	2.0	0.0	0.0
82.5°	50.0	61.9	61.9	14.0	18.0	4.0	4.0	2.0	0.0	0.0	0.0
85°	38.0	56.0	24.0	10.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	12.0	8.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	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)