

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: STREETWORKS

Report Number: P691829

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10696 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G3

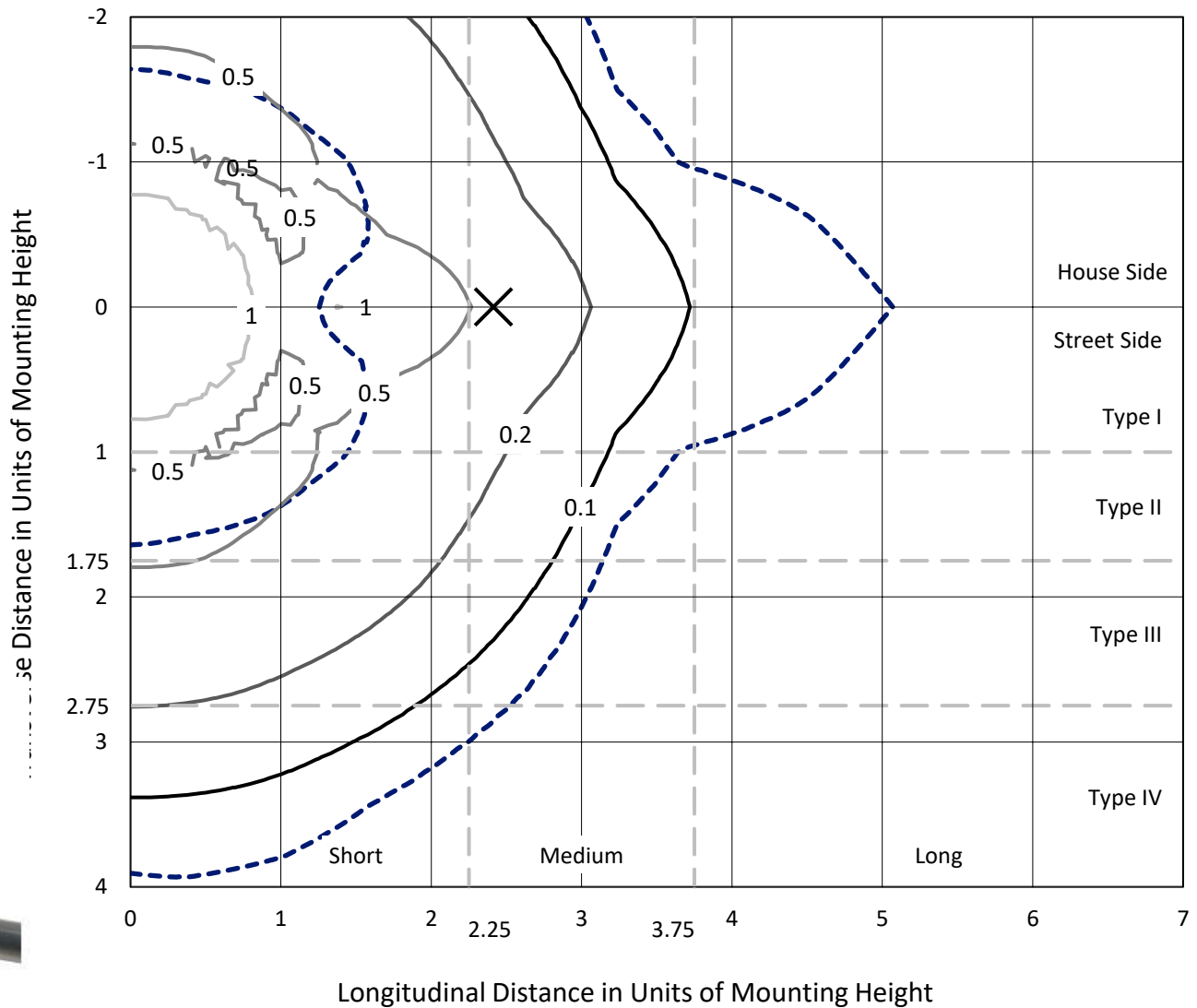
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691829
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

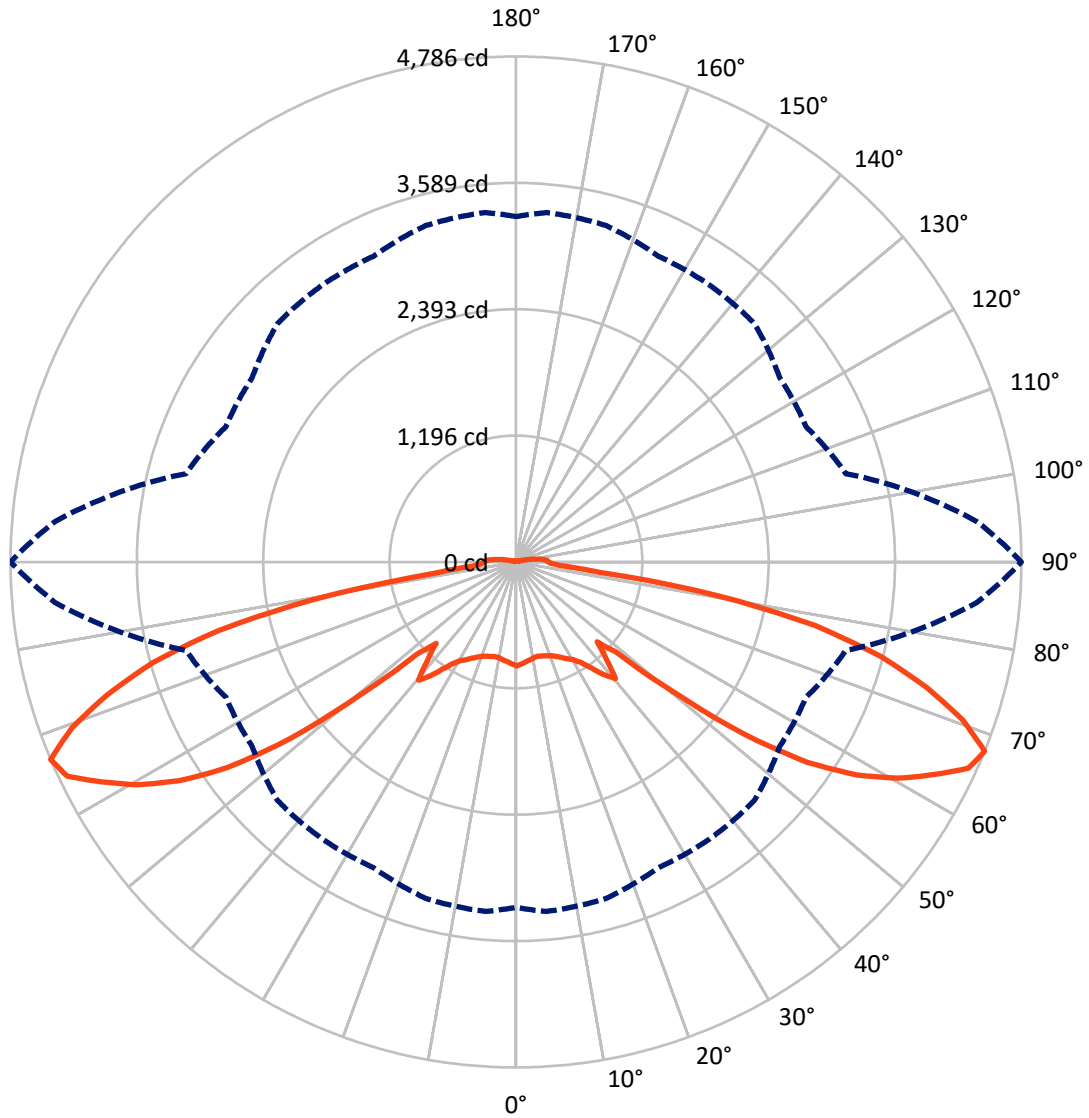
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P691829
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691829

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER

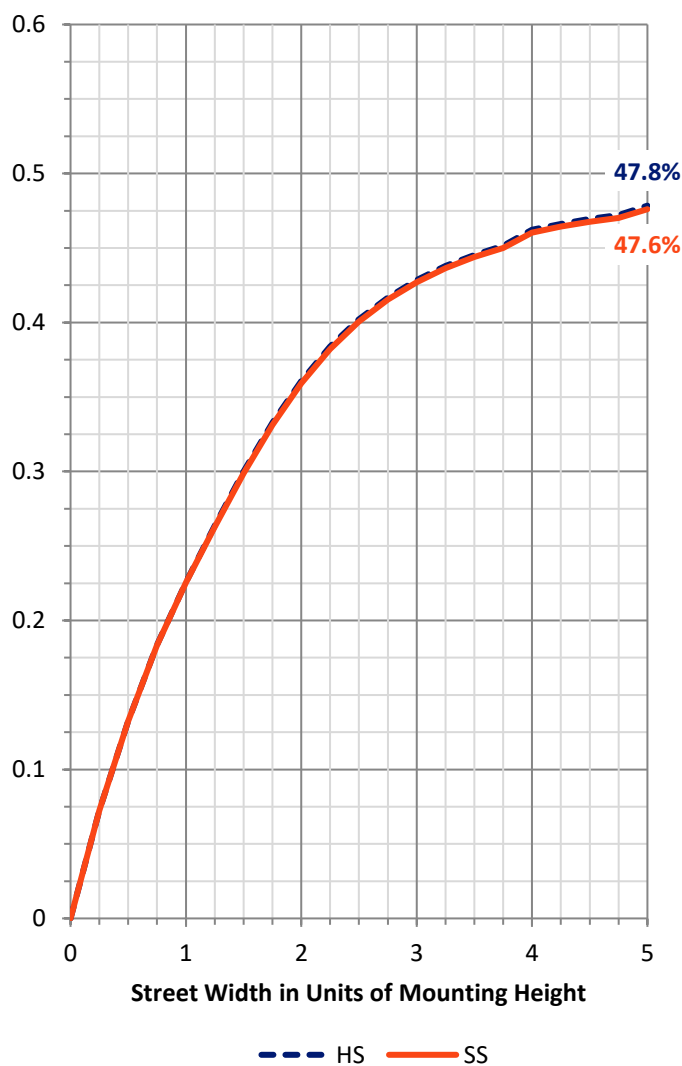
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5193.1	154.9	5348.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	5193.1	154.9	5348.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	10386.2	309.8	10696.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	0.8
10°-20°	253.8	2.4
20°-30°	449.3	4.2
30°-40°	758.0	7.1
40°-50°	849.5	7.9
50°-60°	1758.8	16.4
60°-70°	3095.6	28.9
70°-80°	2558.2	23.9
80°-90°	573.9	5.4
90°-100°	219.4	2.1
100°-110°	62.0	0.6
110°-120°	19.0	0.2
120°-130°	8.7	0.1
130°-140°	0.7	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°	10386.2	97.1
0°-180°	10696.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691829

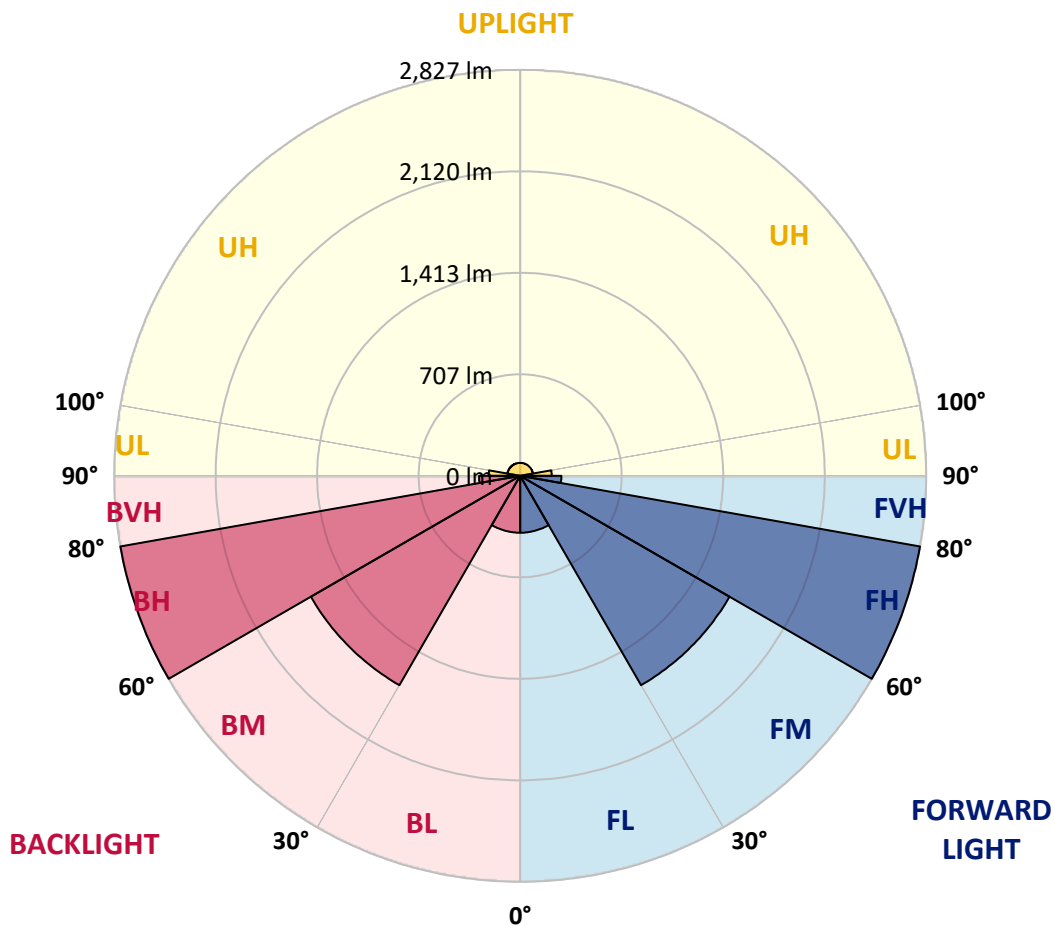
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.1	3.7			
FM (30°-60°)	1683.1	15.7			
FH (60°-80°)	2826.9	26.4			G2/5000
FVH (80°-90°)	287.0	2.7			G3/500
BL (0°-30°)	396.1	3.7	B1/500		
BM (30°-60°)	1683.1	15.7	B2/2500		
BH (60°-80°)	2826.9	26.4	B4/5000		G2/5000
BVH (80°-90°)	287.0	2.7			G3/500
UL (90°-100°)	219.4	2.1		U3/500	
UH (100°-180°)	90.4	0.8		U3/500	

BUG Rating: B4-U3-G3

Type V Short





REPORT NUMBER: P691829

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2
2.5°	974.1	974.1	967.3	963.9	967.3	970.7	974.1	974.1	970.7	967.3	967.3
5°	957.2	953.8	950.4	947.0	947.0	953.8	953.8	957.2	953.8	950.4	950.4
7.5°	913.2	913.2	909.8	906.4	913.2	920.0	930.1	933.5	936.9	936.9	936.9
10°	882.8	882.8	879.4	879.4	886.2	896.3	906.4	916.6	920.0	923.4	923.4
12.5°	865.9	865.9	865.9	862.5	872.6	882.8	899.7	906.4	913.2	916.6	916.6
15°	865.9	862.5	862.5	865.9	872.6	886.2	899.7	913.2	920.0	923.4	923.4
17.5°	872.6	869.2	869.2	869.2	879.4	892.9	909.8	920.0	930.1	933.5	933.5
20°	882.8	882.8	882.8	882.8	889.5	906.4	923.4	933.5	943.7	947.0	947.0
22.5°	909.8	909.8	906.4	903.1	909.8	923.4	943.7	953.8	963.9	970.7	970.7
25°	943.7	940.3	940.3	936.9	936.9	950.4	967.3	980.9	994.4	1001.2	1001.2
27.5°	984.2	980.9	980.9	974.1	974.1	991.0	1004.5	1018.1	1031.6	1038.4	1038.4
30°	1028.2	1031.6	1024.8	1021.4	1018.1	1031.6	1045.1	1055.3	1065.4	1072.2	1072.2
32.5°	1099.2	1099.2	1092.5	1089.1	1085.7	1095.9	1102.6	1109.4	1119.5	1133.1	1136.4
35°	1187.2	1183.8	1183.8	1183.8	1183.8	1190.6	1197.3	1193.9	1214.2	1227.8	1234.5
37.5°	1302.2	1305.6	1298.8	1292.0	1288.6	1295.4	1302.2	1312.3	1332.6	1349.5	1352.9
40°	1281.9	1275.1	1281.9	1295.4	1298.8	1329.2	1359.7	1383.3	1417.2	1447.6	1451.0
42.5°	1150.0	1160.1	1170.3	1170.3	1166.9	1166.9	1170.3	1173.6	1207.5	1251.4	1251.4
45°	943.7	950.4	963.9	957.2	926.7	913.2	920.0	930.1	967.3	1075.6	1078.9
47.5°	1001.2	1014.7	1028.2	987.6	950.4	892.9	886.2	879.4	923.4	1224.4	1275.1
50°	1180.4	1180.4	1197.3	1163.5	1150.0	1116.1	1095.9	1102.6	1197.3	1823.0	1934.7
52.5°	1535.5	1528.8	1569.4	1528.8	1515.3	1444.2	1366.4	1407.0	1505.1	2492.7	2722.7
55°	1863.6	1870.4	1911.0	1870.4	1833.2	1768.9	1664.1	1735.1	1867.0	3020.4	3348.4
57.5°	2218.8	2228.9	2276.3	2198.5	2124.1	2090.2	1992.2	2066.6	2212.0	3362.0	3801.7
60°	2587.4	2597.6	2621.3	2523.2	2455.5	2438.6	2327.0	2408.2	2584.1	3663.0	4156.8
62.5°	2939.2	2949.3	2935.8	2841.1	2800.5	2803.9	2695.7	2753.2	2942.6	4014.7	4434.2
65°	3162.4	3206.4	3196.2	3091.4	3077.9	3091.4	2976.4	2983.2	3179.3	4288.7	4708.1
67.5°	3270.7	3321.4	3297.7	3192.9	3199.6	3192.9	3047.4	3030.5	3233.4	4383.4	4785.9
70°	3162.4	3162.4	3145.5	3054.2	3050.8	3023.7	2915.5	2888.5	3047.4	4123.0	4488.3
72.5°	2898.6	2898.6	2885.1	2780.2	2759.9	2739.6	2675.4	2628.0	2766.7	3703.6	4068.9
75°	2516.4	2546.8	2529.9	2425.1	2401.4	2387.9	2343.9	2296.6	2421.7	3257.1	3564.9
77.5°	2012.4	2046.3	2026.0	1948.2	1927.9	1934.7	1904.2	1877.2	1968.5	2611.1	2895.2
80°	1349.5	1380.0	1342.8	1305.6	1275.1	1305.6	1292.0	1278.5	1329.2	1664.1	1948.2
82.5°	608.8	615.6	615.6	578.4	554.7	602.0	608.8	619.0	649.4	723.8	794.8
85°	372.0	375.4	368.7	358.5	345.0	355.1	351.8	358.5	372.0	395.7	409.3
87.5°	317.9	317.9	317.9	307.8	297.6	297.6	294.3	297.6	301.0	321.3	328.1
90°	280.7	280.7	280.7	274.0	267.2	267.2	270.6	267.2	274.0	294.3	304.4
92.5°	236.8	240.1	246.9	246.9	246.9	250.3	250.3	250.3	253.7	284.1	294.3
95°	175.9	172.5	186.0	196.2	199.6	206.3	206.3	206.3	213.1	240.1	250.3
97.5°	128.5	128.5	135.3	142.1	148.8	155.6	159.0	159.0	165.7	186.0	189.4
100°	91.3	91.3	98.1	104.9	108.2	118.4	121.8	121.8	121.8	135.3	135.3
102.5°	67.6	64.3	71.0	74.4	77.8	81.2	84.6	84.6	84.6	87.9	87.9
105°	40.6	40.6	44.0	47.4	50.7	50.7	54.1	54.1	50.7	50.7	50.7
107.5°	27.1	27.1	30.4	33.8	33.8	37.2	37.2	37.2	37.2	37.2	37.2
110°	20.3	20.3	23.7	27.1	27.1	30.4	30.4	30.4	30.4	27.1	27.1



REPORT NUMBER: P691829
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.9	16.9	20.3	20.3	23.7	23.7	23.7	23.7	23.7	23.7	23.7
115°	13.5	13.5	16.9	16.9	16.9	20.3	20.3	20.3	20.3	20.3	20.3
117.5°	10.1	10.1	13.5	13.5	16.9	16.9	16.9	16.9	16.9	16.9	16.9
120°	10.1	10.1	10.1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
122.5°	6.8	6.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.5	13.5
125°	6.8	6.8	6.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
127.5°	6.8	6.8	6.8	6.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1
130°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	10.1	10.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)