

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: P459935

Luminaire Tested: **UTLD-PA1-30-AMB-U-T4W-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-PA1-30-AMB-U-T4W-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) NARROW BAND AMBER, 500mA 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: 968 lumens
Efficiency: N/A
Efficacy: 29.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

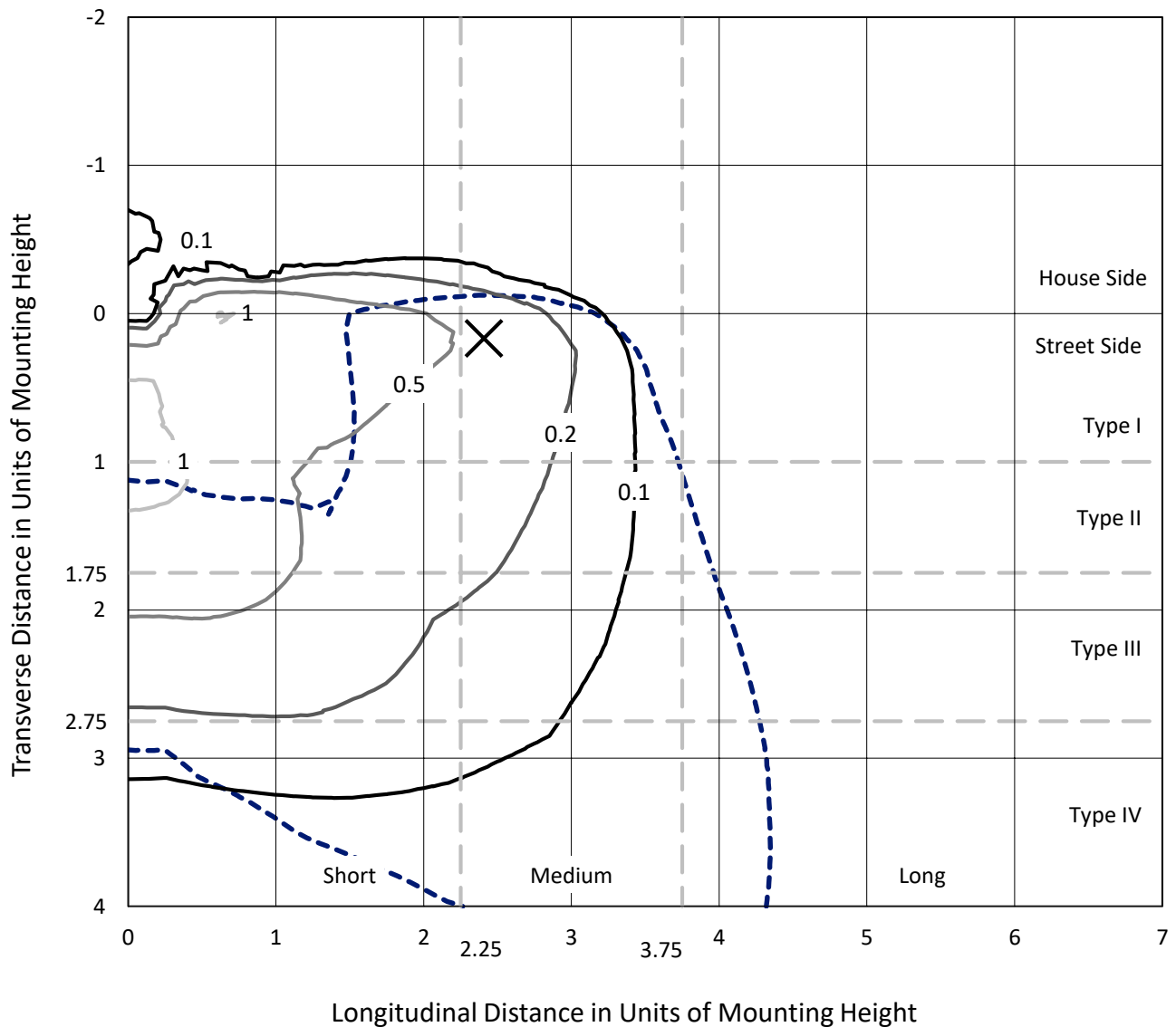
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

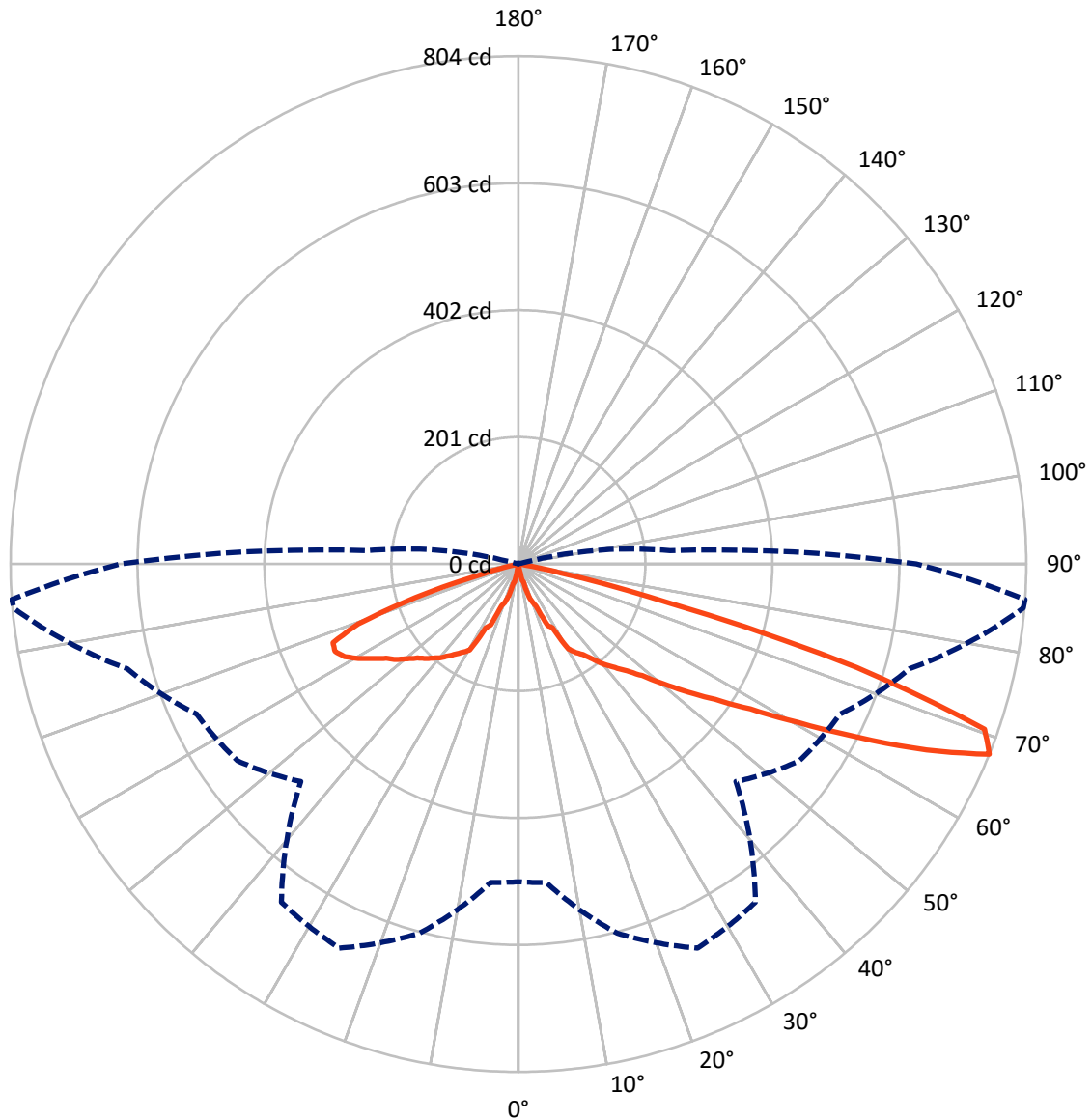
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 86-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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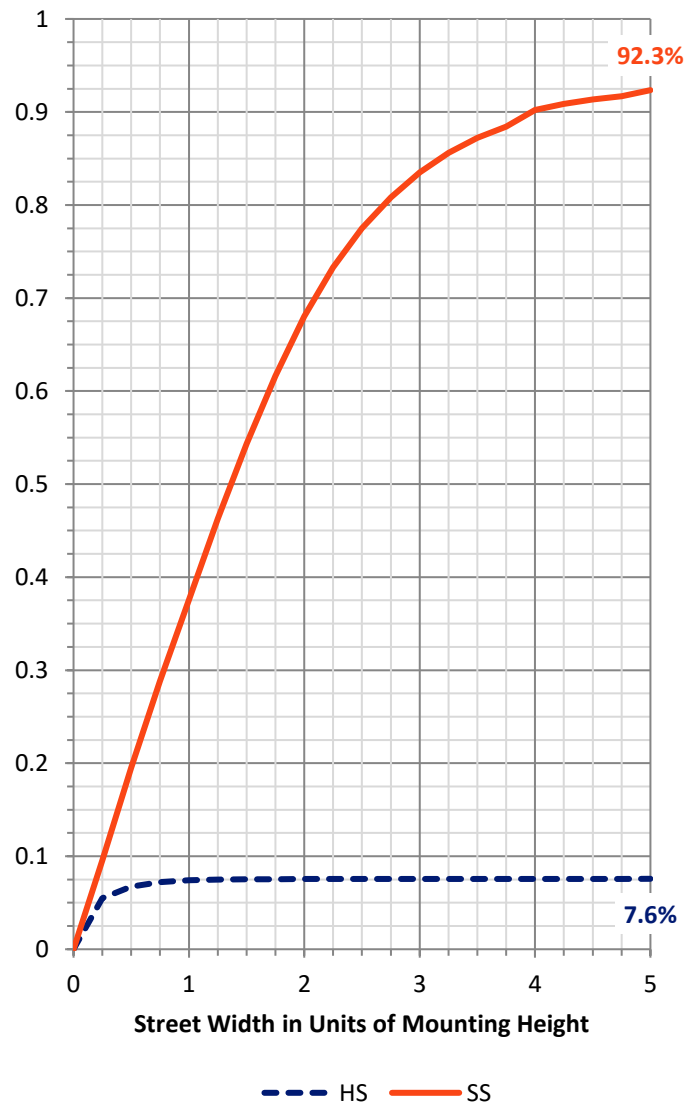
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	73.8	0.0	73.8
	% Fixture	7.6	0.0	7.6
Street Side	Lumens	894.1	0.0	894.1
	% Fixture	92.4	0.0	92.4
Total	Lumens	968.0	0.0	968.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.1
10°-20°	10.7	1.1
20°-30°	33.8	3.5
30°-40°	64.9	6.7
40°-50°	107.0	11.1
50°-60°	186.4	19.3
60°-70°	299.9	31.0
70°-80°	241.4	24.9
80°-90°	23.0	2.4
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°	968.0	100.0
0°-180°	968.0	100.0



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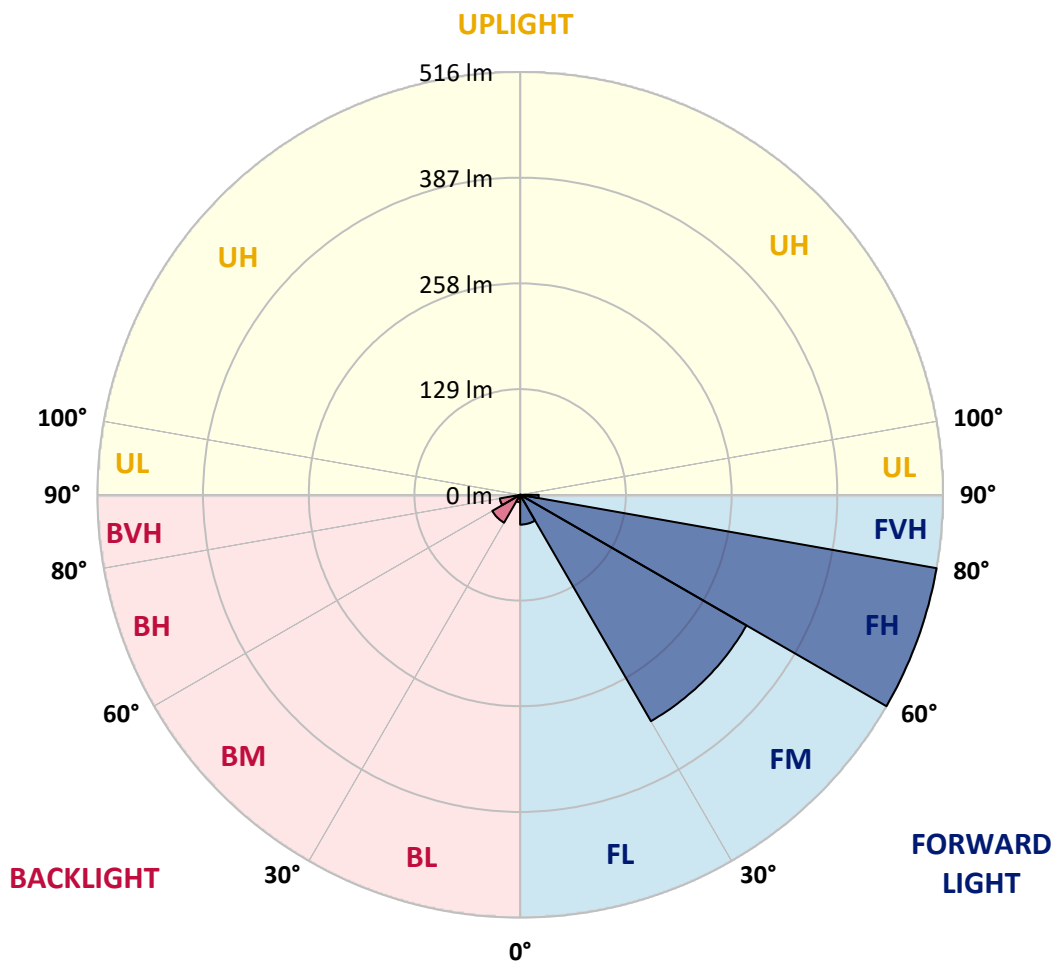
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	36.4	3.8			
FM (30°-60°)	319.0	33.0			
FH (60°-80°)	516.0	53.3			G0/660
FVH (80°-90°)	22.7	2.3			G1/100
BL (0°-30°)	9.0	0.9	B0/110		
BM (30°-60°)	39.3	4.1	B0/220		
BH (60°-80°)	25.3	2.6	B0/110		G0/110
BVH (80°-90°)	0.3	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°	85°	86°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	6.0	5.0	6.0	5.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
5°	25.0	25.0	25.0	25.0	24.0	23.0	5.0	4.0	0.0	0.0	0.0
7.5°	27.0	27.0	27.0	26.0	26.0	25.0	23.0	10.0	2.0	0.0	0.0
10°	57.0	57.0	56.0	33.0	30.0	26.0	24.0	18.0	3.0	0.0	0.0
12.5°	61.0	61.0	60.0	57.0	55.0	31.0	27.0	34.0	42.0	26.0	26.0
15°	70.0	70.0	68.0	60.0	57.0	50.0	57.0	51.0	46.0	29.0	30.0
17.5°	97.0	98.0	96.0	88.0	63.0	75.0	73.0	54.0	52.0	56.0	55.0
20°	102.0	102.0	97.0	92.0	103.0	79.0	76.0	83.0	78.0	66.0	65.0
22.5°	129.0	129.0	128.0	97.0	106.0	95.0	95.0	93.0	81.0	72.0	73.0
25°	131.0	131.0	129.0	121.0	113.0	113.0	100.0	112.0	113.0	109.0	108.0
27.5°	162.0	162.0	157.0	126.0	122.0	117.0	125.0	126.0	119.0	115.0	114.0
30°	166.0	164.0	161.0	147.0	131.0	127.0	135.0	132.0	153.0	154.0	156.0
32.5°	199.0	197.0	189.0	149.0	144.0	141.0	141.0	159.0	159.0	164.0	167.0
35°	206.0	203.0	195.0	168.0	147.0	146.0	162.0	166.0	166.0	176.0	176.0
37.5°	218.0	216.0	208.0	177.0	164.0	155.0	169.0	170.0	179.0	190.0	191.0
40°	243.1	240.1	232.1	190.0	171.0	162.0	179.0	180.0	187.0	205.0	209.0
42.5°	283.1	283.1	280.1	208.0	179.0	173.0	188.0	194.0	208.0	223.1	224.1
45°	338.1	334.1	333.1	241.1	194.0	186.0	200.0	208.0	220.0	240.1	241.1
47.5°	386.1	380.1	372.1	292.1	218.0	198.0	216.0	221.0	242.1	263.1	264.1
50°	422.1	417.1	409.1	339.1	256.1	215.0	231.1	246.1	273.1	296.1	298.1
52.5°	459.1	454.1	437.1	378.1	311.1	242.1	252.1	276.1	310.1	335.1	337.1
55°	480.1	479.1	471.1	426.1	356.1	281.1	284.1	314.1	356.1	377.1	378.1
57.5°	530.1	530.1	529.1	487.1	418.1	324.1	321.1	363.1	402.1	431.1	433.1
60°	590.1	588.1	592.1	560.1	479.1	361.1	372.1	410.1	452.1	504.1	509.1
62.5°	619.1	619.1	645.1	630.1	549.1	399.1	423.1	453.1	510.1	600.1	604.1
65°	563.1	565.1	659.1	669.2	611.1	439.1	476.1	501.1	578.1	702.2	710.2
67.5°	503.1	506.1	605.1	671.2	654.1	487.1	543.1	562.1	641.1	802.2	804.2
70°	440.1	447.1	534.1	652.1	664.1	553.1	609.1	619.1	680.2	802.2	783.2
72.5°	355.1	354.1	471.1	604.1	656.1	630.1	676.2	668.2	638.1	611.1	560.1
75°	160.0	161.0	339.1	502.1	649.1	719.2	703.2	599.1	446.1	272.1	249.1
77.5°	81.0	81.0	116.0	325.1	538.1	711.2	577.1	375.1	183.0	73.0	68.0
80°	32.0	31.0	44.0	101.0	246.1	471.1	326.1	153.0	48.0	11.0	11.0
82.5°	6.0	7.0	14.0	30.0	85.0	165.0	108.0	52.0	25.0	5.0	5.0
85°	2.0	2.0	6.0	17.0	31.0	40.0	37.0	38.0	25.0	3.0	2.0
87.5°	1.0	1.0	3.0	7.0	17.0	9.0	17.0	24.0	21.0	1.0	1.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0	9.0
10°	0.0	0.0	0.0	0.0	0.0	6.0	10.0	10.0	9.0	9.0	9.0
12.5°	25.0	29.0	26.0	9.0	9.0	10.0	7.0	5.0	5.0	5.0	5.0
15°	32.0	31.0	28.0	18.0	19.0	8.0	4.0	5.0	9.0	10.0	11.0
17.5°	51.0	53.0	31.0	22.0	13.0	8.0	8.0	9.0	9.0	10.0	10.0
20°	67.0	64.0	49.0	30.0	11.0	10.0	10.0	8.0	9.0	12.0	13.0
22.5°	75.0	70.0	49.0	24.0	13.0	11.0	11.0	12.0	13.0	14.0	15.0
25°	108.0	105.0	67.0	22.0	13.0	13.0	13.0	12.0	12.0	14.0	15.0
27.5°	118.0	112.0	61.0	18.0	14.0	13.0	13.0	14.0	16.0	17.0	18.0
30°	160.0	156.0	66.0	16.0	14.0	13.0	14.0	15.0	15.0	16.0	17.0
32.5°	172.0	162.0	54.0	17.0	14.0	13.0	14.0	15.0	17.0	19.0	19.0
35°	183.0	170.0	42.0	17.0	15.0	12.0	13.0	14.0	15.0	19.0	20.0
37.5°	196.0	178.0	33.0	16.0	14.0	12.0	12.0	13.0	15.0	16.0	17.0
40°	212.0	187.0	24.0	15.0	13.0	11.0	11.0	12.0	12.0	12.0	13.0
42.5°	230.1	193.0	19.0	14.0	12.0	10.0	10.0	9.0	8.0	8.0	9.0
45°	252.1	199.0	17.0	14.0	12.0	9.0	8.0	7.0	5.0	6.0	6.0
47.5°	275.1	204.0	16.0	14.0	12.0	8.0	6.0	4.0	4.0	4.0	4.0
50°	306.1	212.0	16.0	13.0	11.0	6.0	4.0	3.0	2.0	3.0	3.0
52.5°	339.1	222.1	15.0	12.0	11.0	5.0	3.0	2.0	2.0	2.0	2.0
55°	373.1	228.1	15.0	11.0	9.0	3.0	2.0	2.0	2.0	2.0	2.0
57.5°	422.1	238.1	14.0	11.0	6.0	2.0	1.0	1.0	1.0	1.0	1.0
60°	483.1	247.1	12.0	9.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0
62.5°	547.1	253.1	9.0	6.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0
65°	600.1	252.1	6.0	4.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0
67.5°	630.1	241.1	4.0	3.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
70°	576.1	194.0	3.0	3.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
72.5°	396.1	116.0	3.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
75°	160.0	30.0	2.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
77.5°	37.0	9.0	2.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
80°	7.0	3.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0
82.5°	4.0	2.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
85°	2.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	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)