

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: P459934

Luminaire Tested: **UTLD-PA1-30-AMB-U-T3**

Issue Date: 1/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-4)  
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-T3  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1368 lumens  
Efficiency: N/A  
Efficacy: 41.8 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<sub>in</sub>): 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

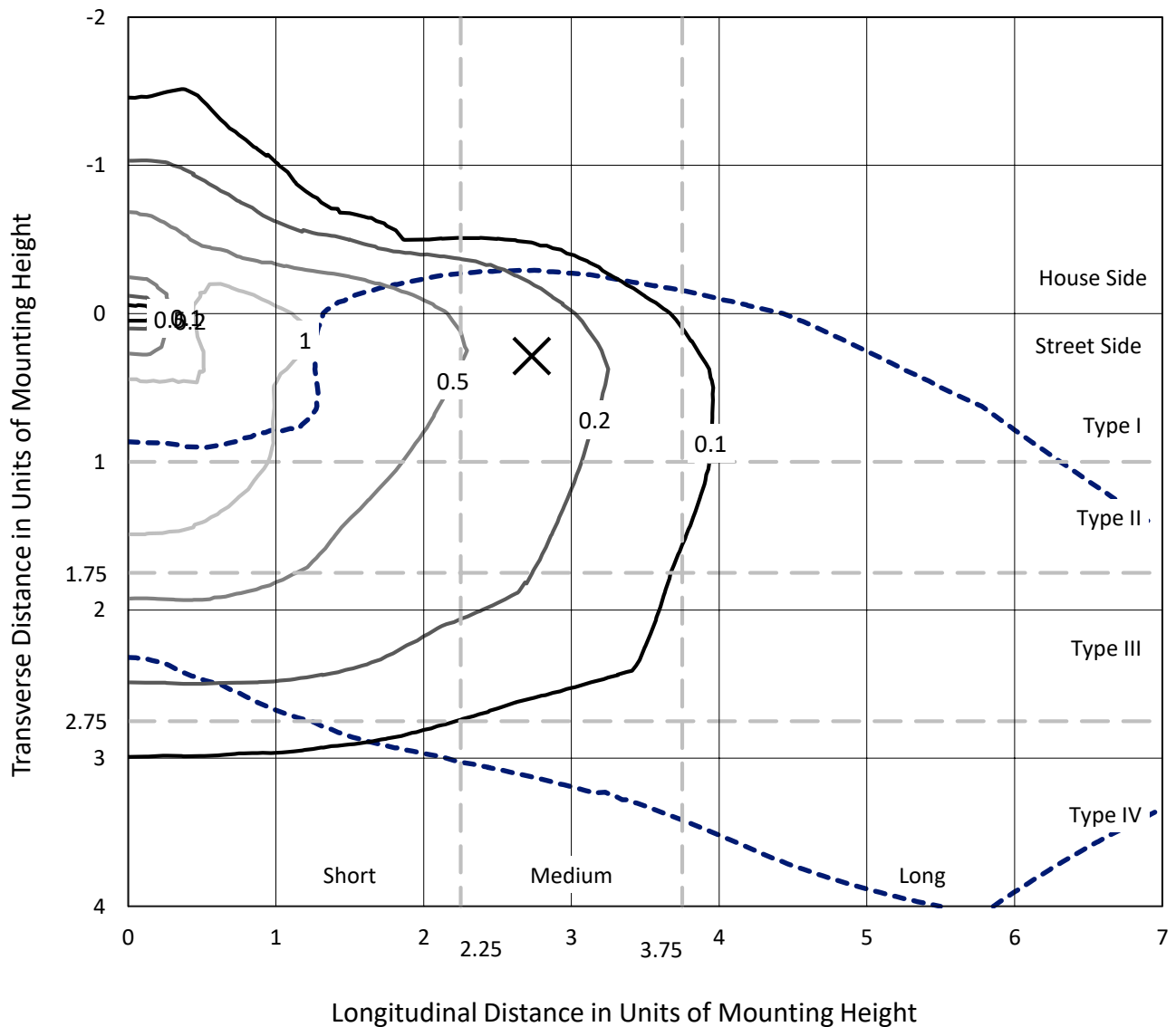


REPORT NUMBER: P459934

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

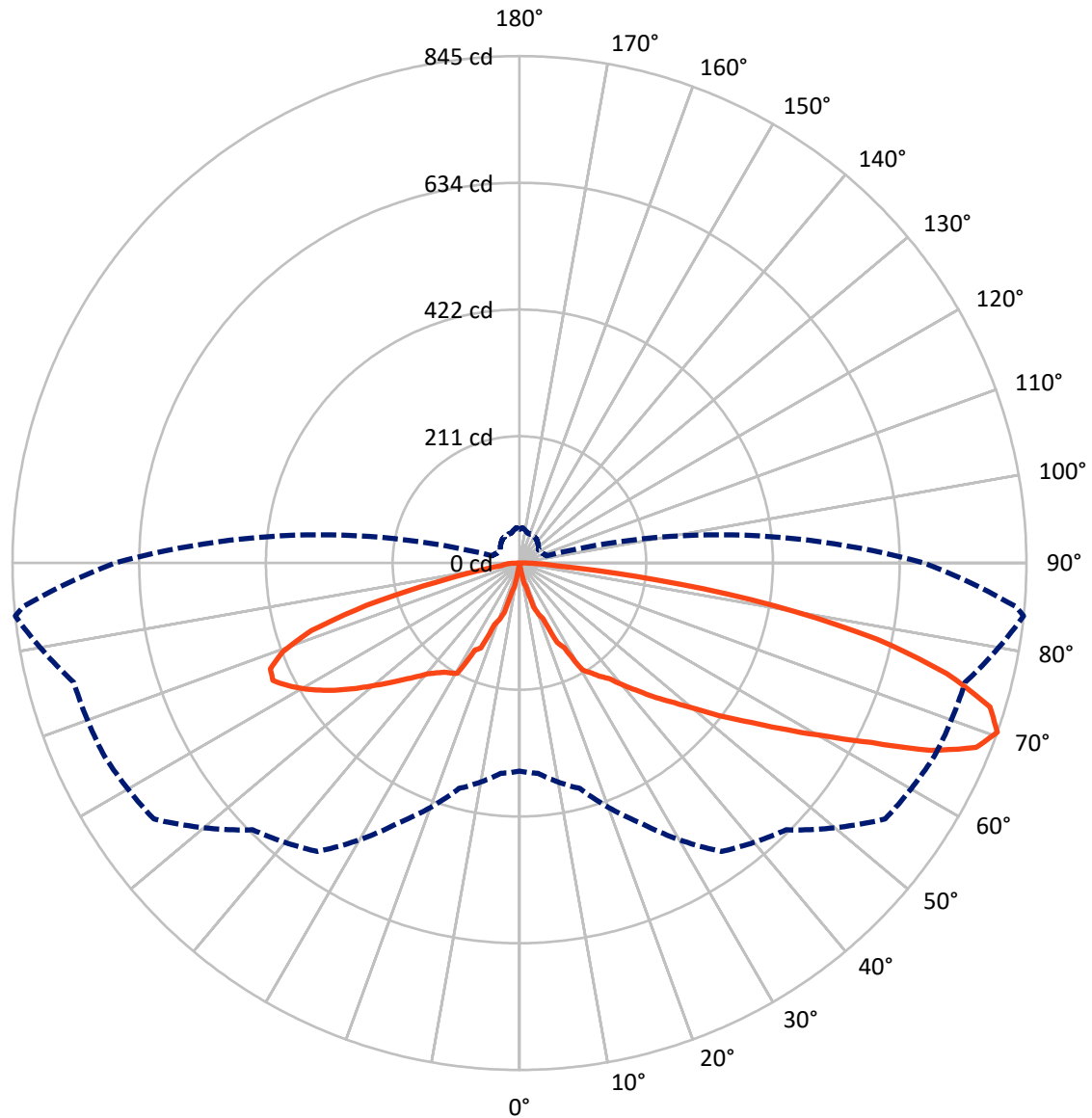


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P459934

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P459934

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T3

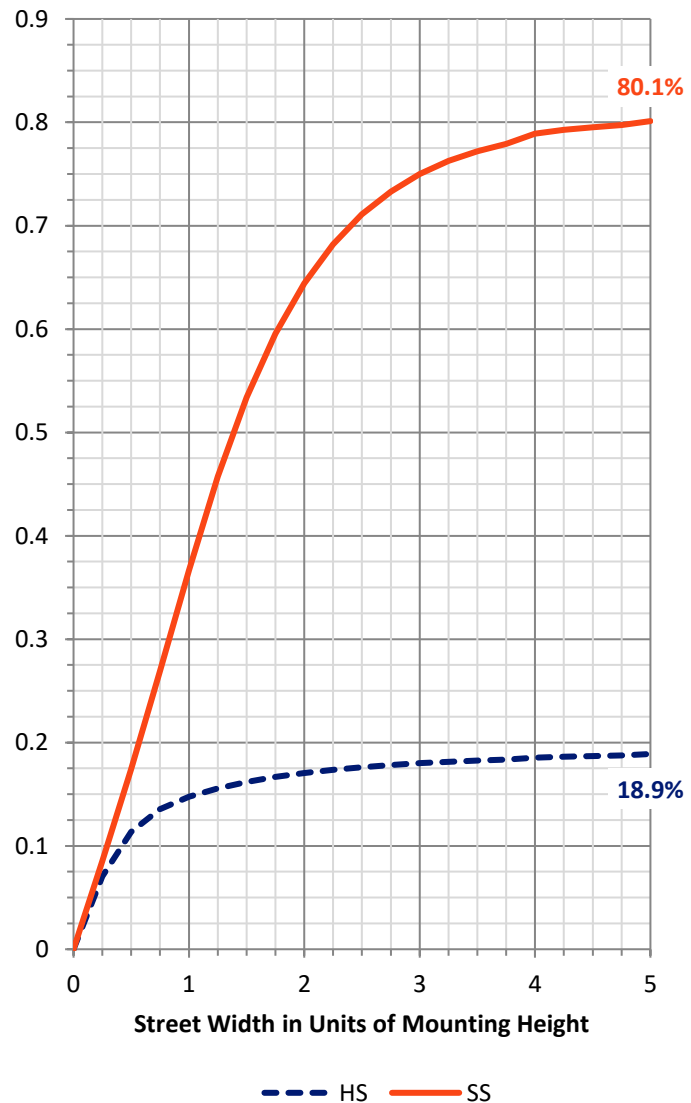
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	266.5	0.0	266.5
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	1101.6	0.0	1101.6
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	1368.0	0.0	1368.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	15.5	1.1
20°-30°	55.1	4.0
30°-40°	111.2	8.1
40°-50°	186.1	13.6
50°-60°	275.8	20.2
60°-70°	352.3	25.8
70°-80°	297.8	21.8
80°-90°	73.2	5.3
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°	1368.0	100.0
0°-180°	1368.0	100.0



REPORT NUMBER: P459934

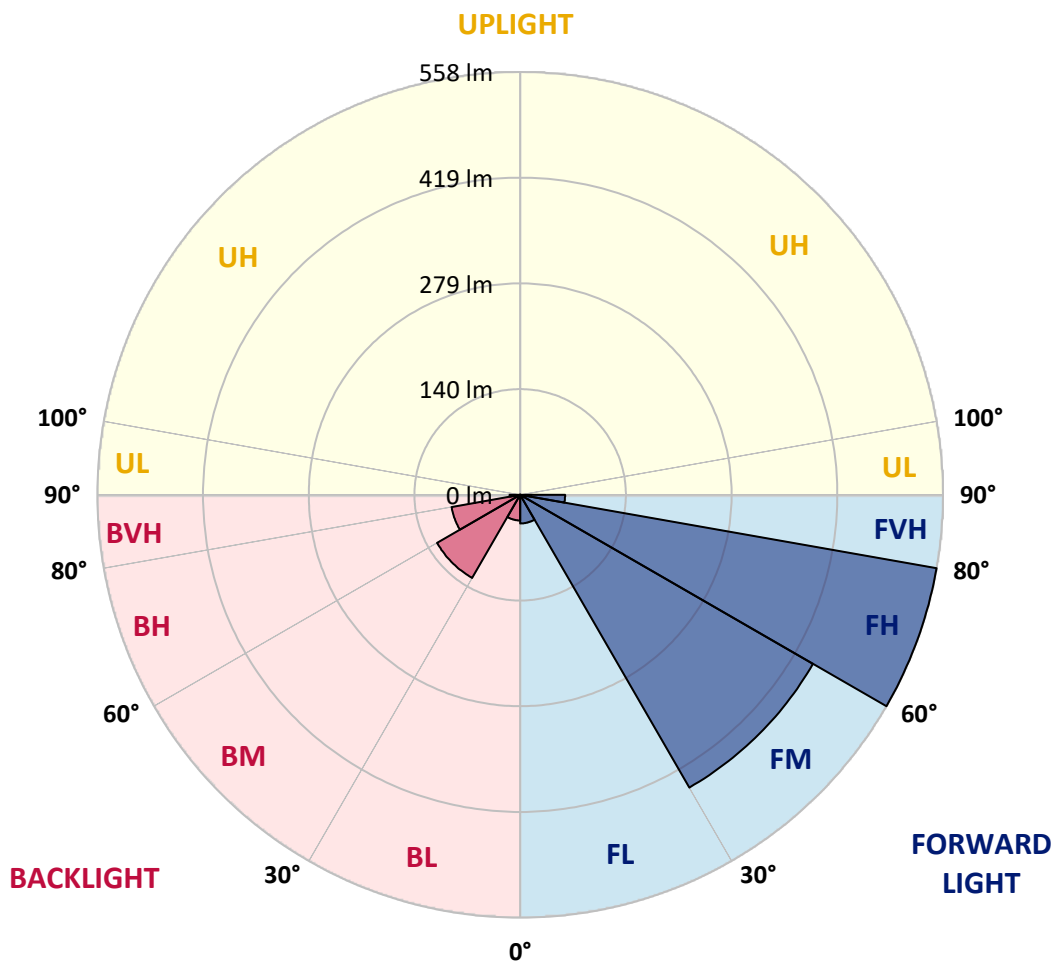
CATALOG NUMBER: UTLD-PA1-30-AMB-U-T3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	37.9	2.8			
FM	(30°-60°)	446.3	32.6			
FH	(60°-80°)	558.2	40.8			G0/660
FVH	(80°-90°)	59.3	4.3			G1/100
BL	(0°-30°)	33.9	2.5	B0/110		
BM	(30°-60°)	126.8	9.3	B0/220		
BH	(60°-80°)	92.0	6.7	B0/110		G0/110
BVH	(80°-90°)	13.9	1.0			G1/100
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





REPORT NUMBER: P459934

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	7.0	7.0	5.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
5°	26.0	26.0	26.0	26.0	26.0	24.0	7.0	2.0	1.0	1.0	1.0
7.5°	25.0	25.0	25.0	25.0	25.0	26.0	25.0	8.0	2.0	1.0	1.0
10°	44.0	44.0	43.0	31.0	26.0	25.0	26.0	22.0	6.0	3.0	3.0
12.5°	46.0	45.0	46.0	46.0	46.0	30.0	29.0	37.0	41.0	34.0	34.0
15°	53.0	52.0	49.0	46.0	47.0	45.0	53.0	54.0	54.0	40.0	41.0
17.5°	68.0	68.0	66.0	62.0	51.0	64.0	68.0	58.0	60.0	77.0	78.0
20°	78.0	77.0	71.0	68.0	77.0	68.0	72.0	88.0	94.0	91.0	91.0
22.5°	117.0	115.0	106.0	82.0	85.0	82.0	91.0	101.0	103.0	101.0	101.0
25°	139.0	137.0	131.0	119.0	103.0	101.0	98.0	130.0	142.0	147.0	149.0
27.5°	194.0	191.0	164.0	146.0	132.0	114.0	129.0	145.0	155.0	160.0	160.0
30°	217.0	214.0	205.0	187.0	159.0	138.0	144.0	153.0	196.0	207.0	207.0
32.5°	278.0	275.0	245.0	210.0	191.0	172.0	165.0	190.0	207.0	218.0	222.0
35°	299.0	304.0	284.0	248.0	215.0	194.0	203.0	206.0	220.0	232.0	231.0
37.5°	328.0	333.0	324.0	276.0	243.0	223.0	230.0	227.0	240.0	245.0	246.0
40°	390.0	380.0	368.0	314.0	272.0	248.0	258.0	251.0	258.0	268.0	269.0
42.5°	461.0	456.0	428.0	365.0	311.0	284.0	289.0	281.0	289.0	292.0	291.0
45°	520.0	514.0	497.0	425.0	358.0	324.0	321.0	300.0	309.0	320.0	315.0
47.5°	559.9	548.9	537.0	469.0	423.0	370.0	351.0	322.0	341.0	348.0	343.0
50°	613.9	589.9	568.9	505.0	473.0	426.0	380.0	345.0	377.0	383.0	377.0
52.5°	636.9	592.9	584.9	541.0	503.0	477.0	399.0	374.0	417.0	425.0	417.0
55°	590.9	585.9	589.9	558.9	528.0	496.0	425.0	414.0	465.0	469.0	466.0
57.5°	561.9	568.9	592.9	577.9	561.9	516.0	456.0	468.0	522.0	524.0	523.0
60°	545.9	551.9	593.9	591.9	597.9	540.0	499.0	530.0	577.9	584.9	591.9
62.5°	509.0	512.0	572.9	606.9	612.9	568.9	559.9	593.9	633.9	658.9	673.9
65°	455.0	456.0	522.0	588.9	630.9	596.9	626.9	652.9	698.9	752.9	764.9
67.5°	397.0	403.0	455.0	547.9	624.9	618.9	687.9	709.9	746.9	820.9	823.9
70°	347.0	352.0	389.0	478.0	586.9	628.9	743.9	762.9	768.9	844.9	829.9
72.5°	291.0	290.0	319.0	394.0	522.0	621.9	785.9	771.9	773.9	819.9	786.9
75°	184.0	178.0	206.0	277.0	398.0	564.9	805.9	743.9	749.9	735.9	701.9
77.5°	68.0	74.0	83.0	124.0	236.0	431.0	792.9	716.9	715.9	608.9	565.9
80°	30.0	29.0	35.0	47.0	88.0	205.0	646.9	633.9	638.9	431.0	390.0
82.5°	22.0	22.0	27.0	30.0	48.0	49.0	349.0	434.0	467.0	230.0	197.0
85°	25.0	25.0	24.0	21.0	33.0	26.0	87.0	213.0	236.0	65.0	55.0
87.5°	13.0	14.0	28.0	15.0	19.0	13.0	27.0	56.0	78.0	26.0	22.0
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: P459934

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
7.5°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	11.0	24.0	25.0	25.0
10°	3.0	2.0	2.0	2.0	2.0	24.0	31.0	32.0	32.0	32.0	33.0
12.5°	37.0	41.0	41.0	33.0	24.0	32.0	32.0	33.0	34.0	40.0	39.0
15°	46.0	48.0	50.0	47.0	64.0	36.0	36.0	63.0	67.0	67.0	67.0
17.5°	82.0	88.0	59.0	62.0	66.0	74.0	61.0	68.0	69.0	69.0	69.0
20°	99.0	101.0	95.0	95.0	72.0	92.0	84.0	71.0	94.0	96.0	96.0
22.5°	111.0	111.0	101.0	100.0	109.0	93.0	94.0	86.0	93.0	93.0	93.0
25°	155.0	157.0	144.0	127.0	111.0	107.0	96.0	87.0	101.0	108.0	108.0
27.5°	168.0	165.0	143.0	132.0	119.0	108.0	90.0	102.0	101.0	102.0	102.0
30°	216.0	215.0	180.0	137.0	111.0	96.0	96.0	94.0	96.0	105.0	106.0
32.5°	227.0	220.0	181.0	148.0	103.0	91.0	85.0	90.0	91.0	93.0	93.0
35°	234.0	225.0	183.0	140.0	101.0	80.0	78.0	78.0	86.0	91.0	91.0
37.5°	244.0	234.0	185.0	129.0	91.0	75.0	71.0	75.0	77.0	78.0	77.0
40°	257.0	245.0	187.0	119.0	84.0	69.0	66.0	69.0	72.0	70.0	69.0
42.5°	277.0	262.0	187.0	108.0	79.0	66.0	63.0	65.0	67.0	65.0	64.0
45°	299.0	281.0	184.0	101.0	75.0	64.0	60.0	61.0	63.0	61.0	60.0
47.5°	326.0	304.0	178.0	95.0	70.0	62.0	57.0	57.0	60.0	57.0	56.0
50°	361.0	329.0	174.0	90.0	65.0	58.0	54.0	53.0	56.0	55.0	55.0
52.5°	409.0	356.0	174.0	82.0	59.0	55.0	52.0	52.0	57.0	55.0	55.0
55°	461.0	385.0	175.0	73.0	54.0	53.0	51.0	54.0	62.0	55.0	55.0
57.5°	515.0	414.0	168.0	62.0	49.0	51.0	52.0	57.0	65.0	57.0	55.0
60°	568.9	444.0	140.0	54.0	46.0	49.0	54.0	58.0	62.0	59.0	56.0
62.5°	624.9	473.0	101.0	50.0	44.0	48.0	54.0	56.0	57.0	58.0	58.0
65°	674.9	498.0	68.0	47.0	42.0	48.0	54.0	54.0	55.0	59.0	58.0
67.5°	687.9	495.0	54.0	43.0	41.0	47.0	51.0	53.0	54.0	61.0	59.0
70°	673.9	462.0	47.0	40.0	39.0	44.0	49.0	51.0	52.0	59.0	56.0
72.5°	631.9	400.0	42.0	37.0	36.0	42.0	47.0	50.0	50.0	53.0	51.0
75°	541.0	289.0	38.0	35.0	33.0	40.0	46.0	48.0	48.0	47.0	46.0
77.5°	404.0	153.0	34.0	32.0	31.0	37.0	43.0	44.0	44.0	43.0	43.0
80°	240.0	63.0	30.0	29.0	28.0	34.0	39.0	41.0	41.0	39.0	37.0
82.5°	106.0	31.0	27.0	26.0	25.0	31.0	36.0	37.0	36.0	41.0	32.0
85°	33.0	24.0	22.0	22.0	22.0	26.0	32.0	33.0	31.0	29.0	27.0
87.5°	18.0	16.0	16.0	15.0	16.0	19.0	24.0	24.0	24.0	20.0	17.0
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)