

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: P459936

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

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-6)
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1370.1 lumens
Efficiency: N/A
Efficacy: 41.9 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

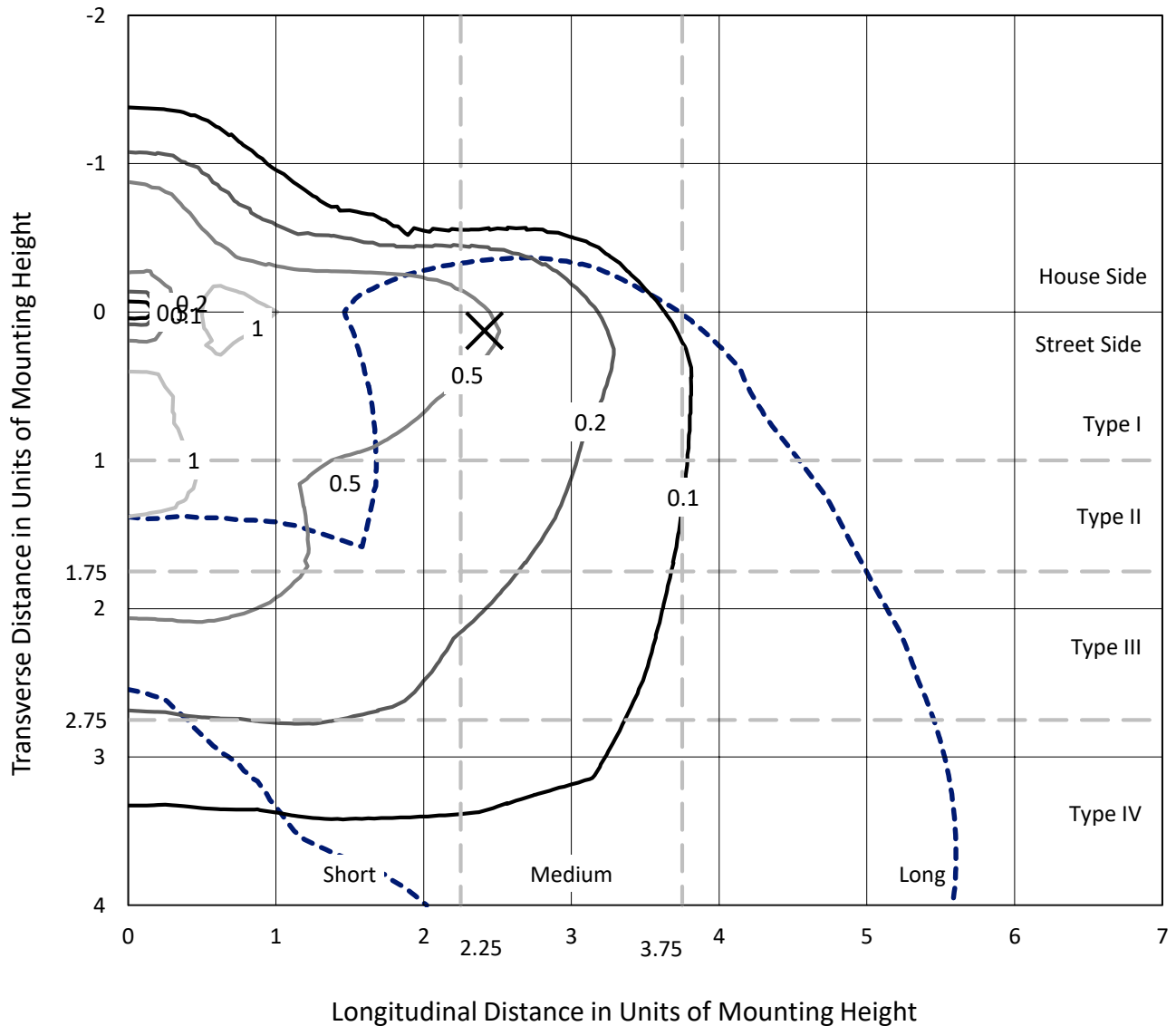
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459936
 CATALOG NUMBER: UTLD-PA1-30-AMB-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

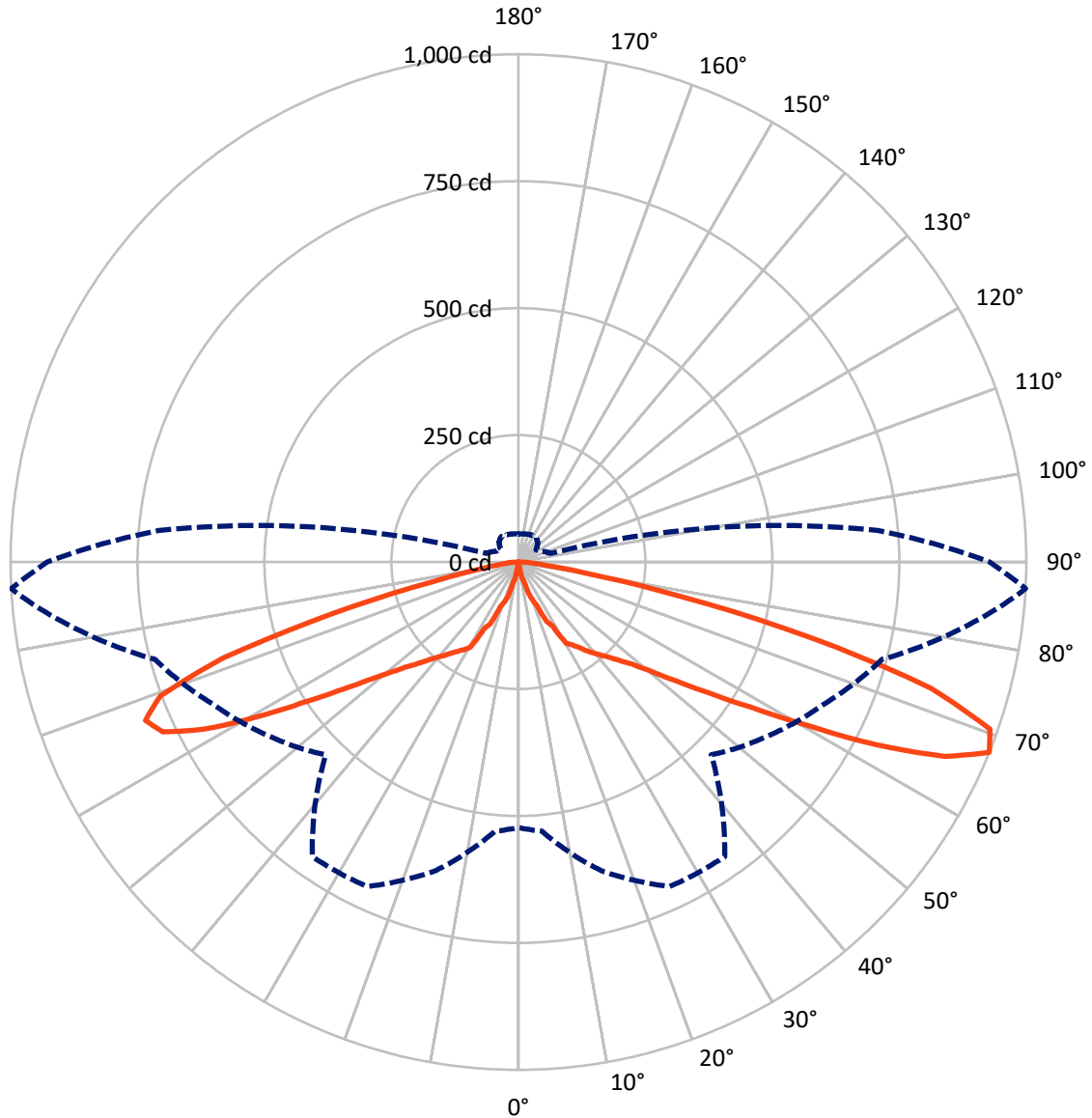
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P459936
CATALOG NUMBER: UTLD-PA1-30-AMB-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 87-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P459936

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T4W

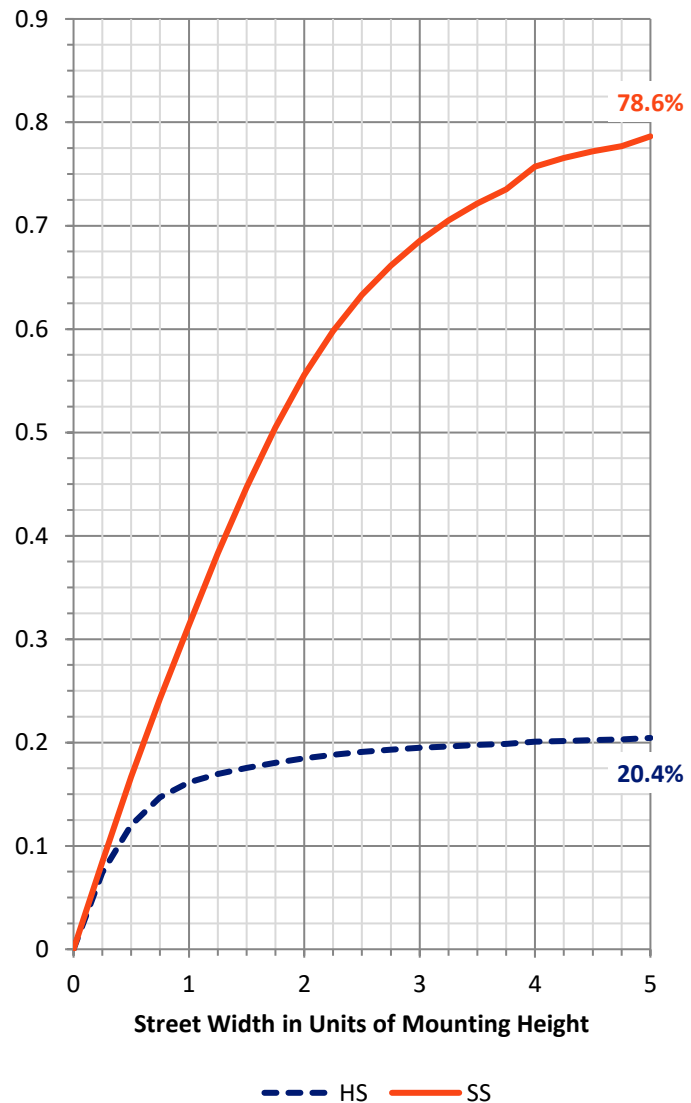
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.5	0.0	289.5
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	1080.5	0.0	1080.5
	% Fixture	78.9	0.0	78.9
Total	Lumens	1370.1	0.0	1370.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	16.2	1.2
20°-30°	55.4	4.0
30°-40°	102.4	7.5
40°-50°	143.3	10.5
50°-60°	232.1	16.9
60°-70°	376.5	27.5
70°-80°	366.0	26.7
80°-90°	76.9	5.6
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°	1370.1	100.0
0°-180°	1370.1	100.0



REPORT NUMBER: P459936

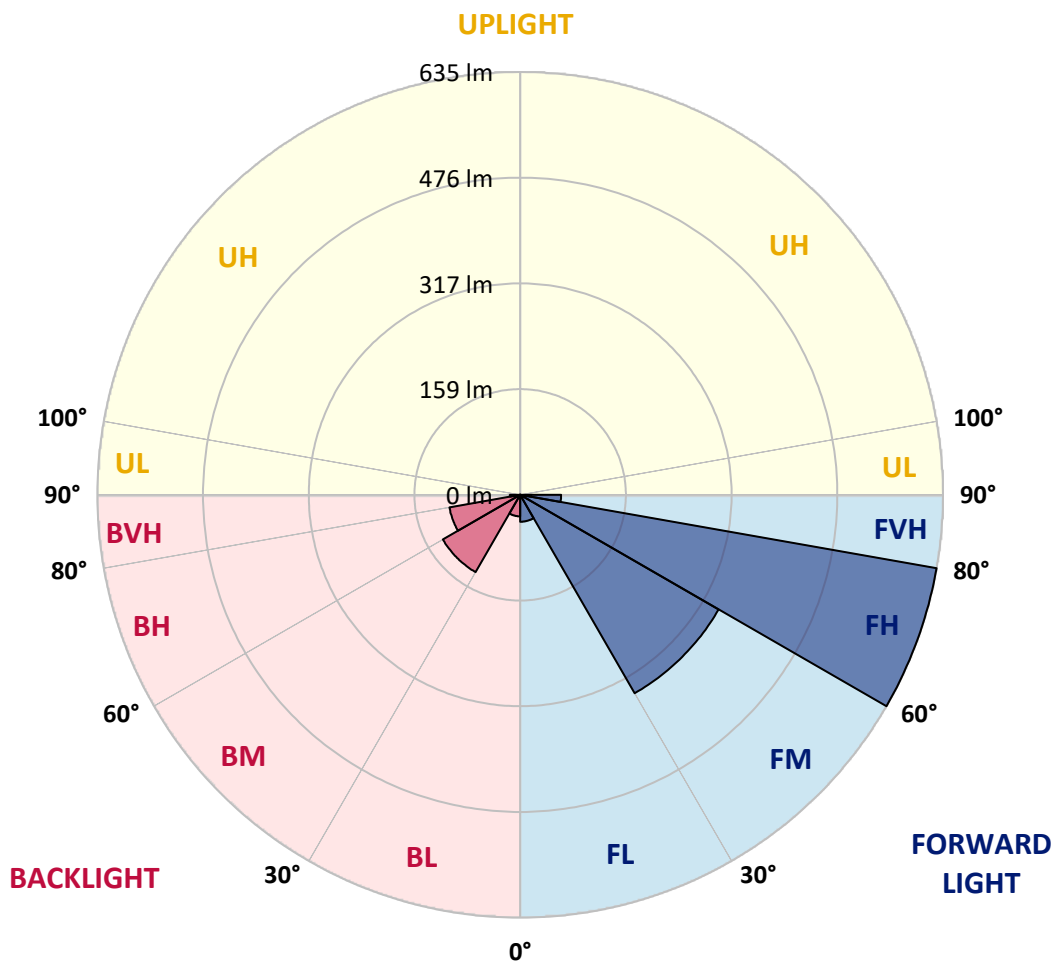
CATALOG NUMBER: UTLD-PA1-30-AMB-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.4	3.0			
FM	(30°-60°)	343.9	25.1			
FH	(60°-80°)	634.7	46.3			G0/660
FVH	(80°-90°)	61.4	4.5			G1/100
BL	(0°-30°)	32.3	2.4	B0/110		
BM	(30°-60°)	133.9	9.8	B0/220		
BH	(60°-80°)	107.8	7.9	B0/110		G0/110
BVH	(80°-90°)	15.4	1.1			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: P459936

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
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	6.0	6.0	5.0	3.0	1.0	0.0	1.0	1.0	0.0	0.0
5°	28.0	28.0	28.0	27.0	26.0	24.0	6.0	4.0	1.0	0.0	0.0
7.5°	31.0	31.0	31.0	30.0	29.0	28.0	26.0	6.0	2.0	1.0	1.0
10°	61.0	61.0	58.0	38.0	33.0	30.0	28.0	21.0	5.0	2.0	2.0
12.5°	67.0	67.0	66.0	63.0	60.0	35.0	32.0	44.0	36.0	32.0	32.0
15°	77.0	77.0	74.0	66.0	64.0	57.0	63.0	59.0	53.0	38.0	40.0
17.5°	105.0	106.0	104.0	95.0	70.0	84.0	81.0	63.0	57.0	63.0	65.0
20°	110.0	109.0	106.0	101.0	112.0	88.0	83.0	94.0	90.0	80.0	79.0
22.5°	139.0	139.0	137.0	106.0	116.0	104.0	104.0	105.0	97.0	90.0	93.0
25°	142.0	142.0	141.0	132.0	120.0	123.0	110.0	130.0	130.0	130.0	129.0
27.5°	174.9	174.9	167.9	137.0	134.0	127.0	140.0	141.0	139.0	139.0	142.0
30°	179.9	178.9	175.9	158.9	141.0	138.0	146.0	149.0	173.9	180.9	185.9
32.5°	213.9	213.9	203.9	162.9	155.0	151.0	154.0	174.9	179.9	191.9	193.9
35°	221.9	221.9	211.9	182.9	157.9	154.0	174.9	179.9	185.9	201.9	206.9
37.5°	238.9	235.9	227.9	192.9	172.9	161.9	179.9	184.9	198.9	215.9	222.9
40°	273.9	269.9	257.9	205.9	183.9	166.9	185.9	196.9	207.9	231.9	237.9
42.5°	315.9	315.9	309.9	228.9	191.9	176.9	194.9	207.9	225.9	249.9	253.9
45°	364.9	359.9	361.9	267.9	208.9	189.9	205.9	219.9	237.9	269.9	274.9
47.5°	408.9	402.9	395.9	313.9	236.9	201.9	218.9	236.9	263.9	294.9	299.9
50°	443.9	438.9	430.9	360.9	275.9	220.9	234.9	261.9	294.9	330.9	336.9
52.5°	477.8	472.8	460.9	399.9	327.9	252.9	260.9	293.9	333.9	380.9	388.9
55°	504.8	498.8	497.8	450.9	372.9	295.9	294.9	336.9	384.9	439.9	453.9
57.5°	558.8	553.8	557.8	511.8	435.9	337.9	339.9	391.9	453.9	515.8	537.8
60°	615.8	610.8	619.8	583.8	499.8	373.9	395.9	455.9	520.8	606.8	651.8
62.5°	640.8	644.8	672.8	656.8	574.8	414.9	455.9	524.8	593.8	718.8	792.7
65°	579.8	593.8	683.8	690.8	648.8	471.8	525.8	594.8	681.8	848.7	922.7
67.5°	522.8	531.8	628.8	704.8	707.8	536.8	597.8	662.8	740.8	958.7	999.7
70°	457.9	470.8	557.8	694.8	742.8	614.8	663.8	720.8	766.8	993.7	984.7
72.5°	431.9	434.9	499.8	658.8	766.8	709.8	728.8	758.8	752.8	886.7	849.7
75°	387.9	387.9	448.9	599.8	797.7	831.7	794.7	750.8	690.8	653.8	595.8
77.5°	222.9	220.9	277.9	438.9	732.8	955.7	861.7	710.8	576.8	379.9	324.9
80°	51.0	50.0	81.0	158.9	416.9	895.7	752.8	534.8	372.9	167.9	139.0
82.5°	20.0	21.0	32.0	48.0	130.0	446.9	367.9	281.9	164.9	59.0	58.0
85°	12.0	12.0	19.0	31.0	74.0	88.0	106.0	116.0	74.0	29.0	27.0
87.5°	6.0	6.0	11.0	18.0	46.0	22.0	43.0	60.0	44.0	16.0	15.0
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: P459936

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T4W

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°	1.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	20.0	21.0	21.0
10°	2.0	2.0	1.0	1.0	1.0	19.0	24.0	26.0	27.0	28.0	28.0
12.5°	34.0	36.0	35.0	20.0	19.0	26.0	27.0	28.0	30.0	40.0	41.0
15°	41.0	41.0	41.0	40.0	54.0	31.0	36.0	51.0	56.0	58.0	58.0
17.5°	71.0	72.0	54.0	52.0	58.0	66.0	51.0	57.0	58.0	60.0	61.0
20°	84.0	84.0	80.0	85.0	63.0	77.0	71.0	64.0	84.0	88.0	89.0
22.5°	95.0	94.0	89.0	91.0	97.0	81.0	88.0	81.0	90.0	92.0	93.0
25°	132.0	135.0	130.0	118.0	101.0	101.0	95.0	88.0	113.0	118.0	120.0
27.5°	146.0	146.0	135.0	124.0	116.0	109.0	99.0	120.0	121.0	126.0	127.0
30°	189.9	194.9	172.9	128.0	112.0	107.0	120.0	125.0	136.0	149.0	151.0
32.5°	202.9	203.9	172.9	143.0	108.0	114.0	116.0	132.0	140.0	150.0	152.0
35°	212.9	213.9	171.9	133.0	109.0	104.0	112.0	123.0	154.0	169.9	172.9
37.5°	226.9	225.9	173.9	121.0	99.0	97.0	99.0	119.0	141.0	155.9	159.9
40°	241.9	239.9	173.9	109.0	88.0	84.0	86.0	102.0	119.0	131.0	136.0
42.5°	259.9	254.9	171.9	99.0	78.0	72.0	73.0	83.0	92.0	97.0	99.0
45°	283.9	274.9	168.9	91.0	71.0	62.0	62.0	69.0	75.0	73.0	73.0
47.5°	312.9	296.9	164.9	86.0	65.0	56.0	56.0	61.0	63.0	58.0	58.0
50°	349.9	325.9	160.9	80.0	61.0	52.0	53.0	56.0	56.0	53.0	53.0
52.5°	399.9	364.9	162.9	74.0	58.0	50.0	50.0	52.0	52.0	50.0	50.0
55°	469.8	413.9	167.9	68.0	54.0	48.0	47.0	49.0	50.0	49.0	49.0
57.5°	562.8	475.8	163.9	63.0	49.0	45.0	46.0	49.0	51.0	52.0	52.0
60°	677.8	551.8	140.0	59.0	45.0	44.0	47.0	52.0	55.0	58.0	58.0
62.5°	797.7	636.8	110.0	56.0	43.0	44.0	53.0	59.0	62.0	62.0	61.0
65°	894.7	696.8	82.0	53.0	42.0	50.0	59.0	62.0	60.0	58.0	57.0
67.5°	927.7	710.8	66.0	50.0	42.0	54.0	60.0	59.0	57.0	56.0	55.0
70°	893.7	658.8	58.0	48.0	41.0	53.0	57.0	56.0	55.0	54.0	52.0
72.5°	746.8	518.8	52.0	45.0	40.0	48.0	55.0	55.0	53.0	51.0	49.0
75°	494.8	296.9	47.0	41.0	36.0	44.0	51.0	52.0	50.0	48.0	47.0
77.5°	253.9	119.0	41.0	37.0	32.0	40.0	49.0	48.0	47.0	45.0	43.0
80°	106.0	57.0	36.0	34.0	30.0	38.0	46.0	45.0	43.0	41.0	39.0
82.5°	52.0	33.0	31.0	29.0	28.0	37.0	44.0	43.0	40.0	39.0	34.0
85°	25.0	22.0	24.0	24.0	25.0	33.0	42.0	40.0	36.0	32.0	30.0
87.5°	15.0	17.0	16.0	17.0	21.0	28.0	35.0	34.0	30.0	27.0	25.0
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)