

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: P560058

Luminaire Tested: **SDL-PA1-20-750-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-750-U-T3-A
Description: Springdale
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2579.9 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G1

Input Watts (W): 21
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



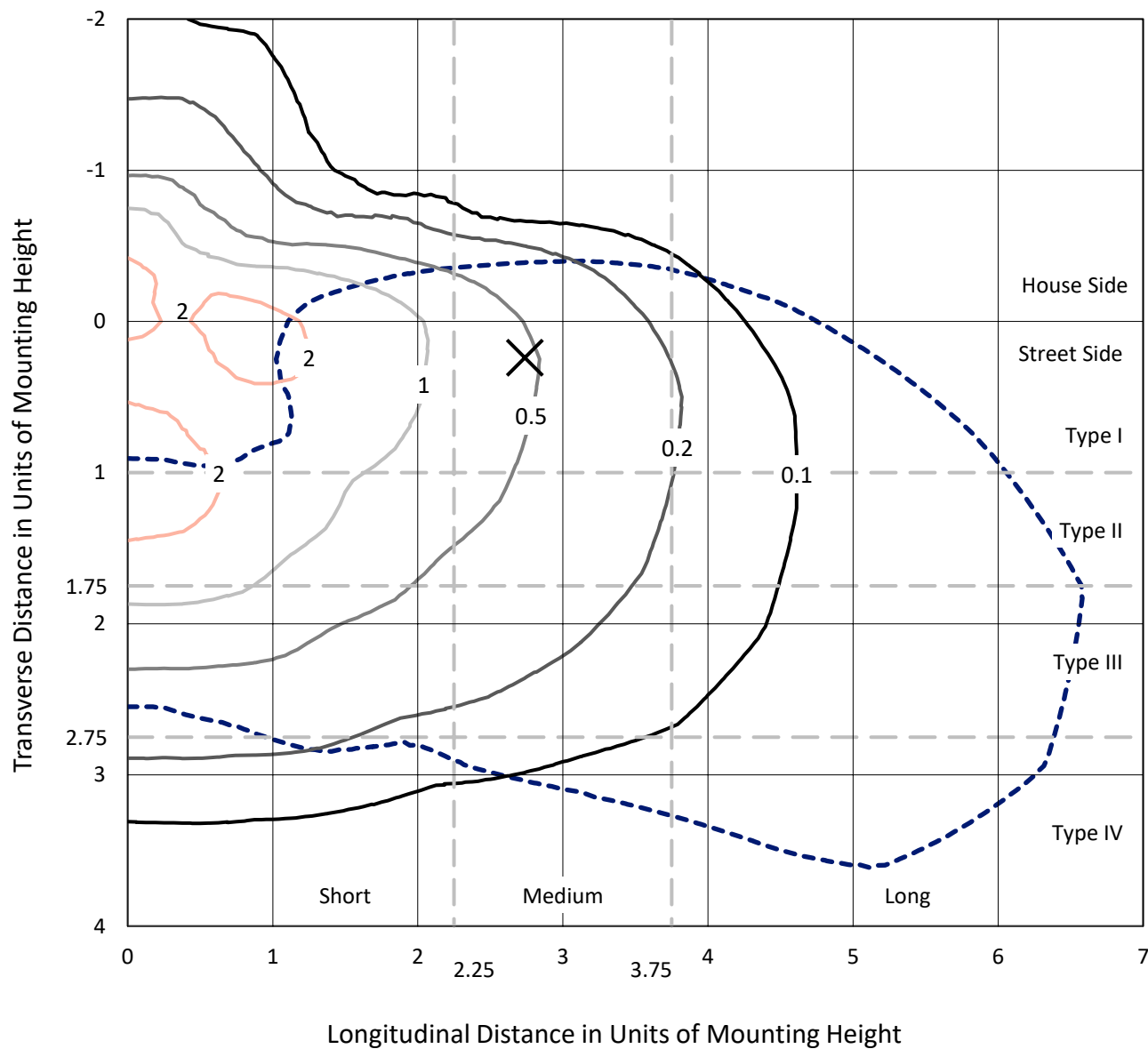
REPORT NUMBER: P560058

CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



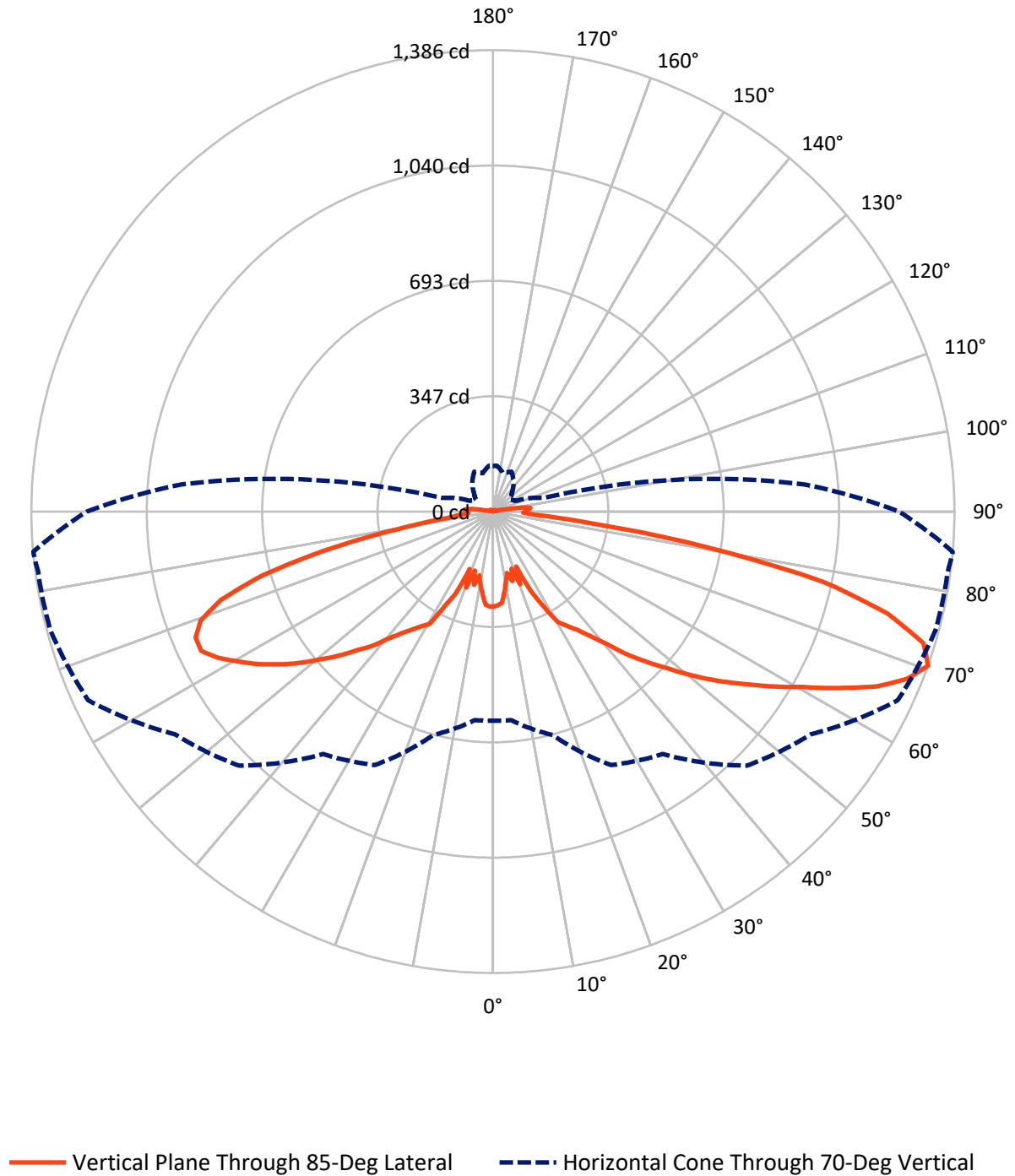
Based on 10 foot mounting height. Maximum calculated value = 2.9 fc

Type IV - Medium - N/A

REPORT NUMBER: P560058

CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560058

CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

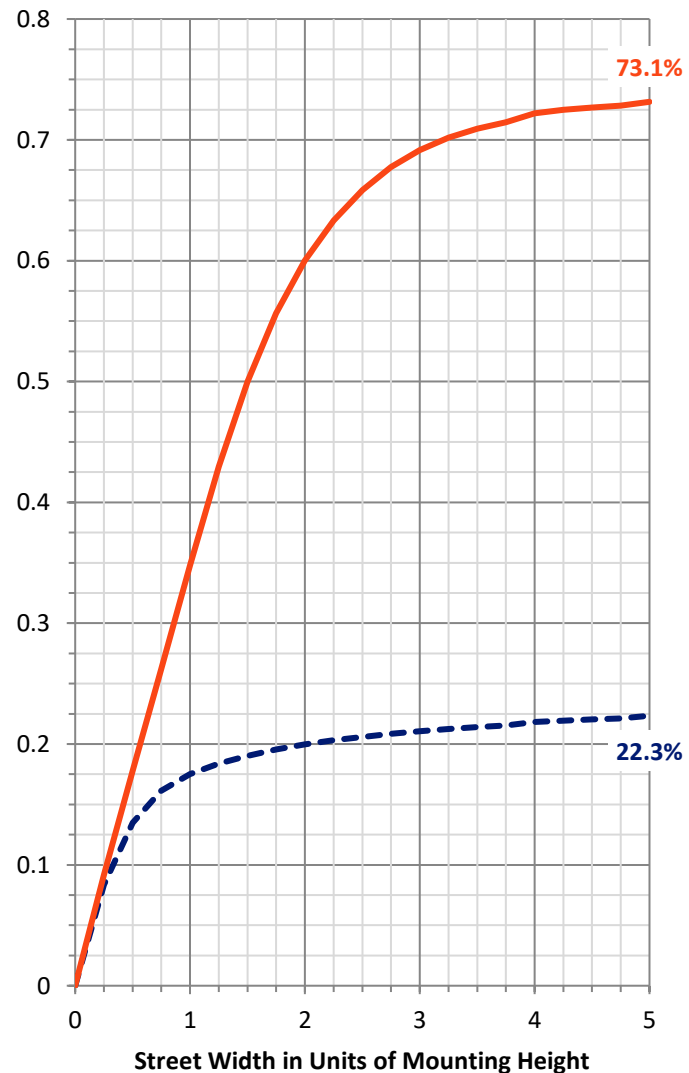
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.5	39.1	645.6
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	1901.3	33.0	1934.3
	% Fixture	73.7	1.3	75.0
Total	Lumens	2507.9	72.1	2579.9
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.9
10°-20°	56.9	2.2
20°-30°	103.7	4.0
30°-40°	196.0	7.6
40°-50°	327.6	12.7
50°-60°	511.3	19.8
60°-70°	634.0	24.6
70°-80°	518.0	20.1
80°-90°	137.1	5.3
90°-100°	52.0	2.0
100°-110°	11.1	0.4
110°-120°	3.6	0.1
120°-130°	2.8	0.1
130°-140°	1.3	0.1
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2507.9	97.2
0°-180°	2579.9	100.0



REPORT NUMBER: P560058

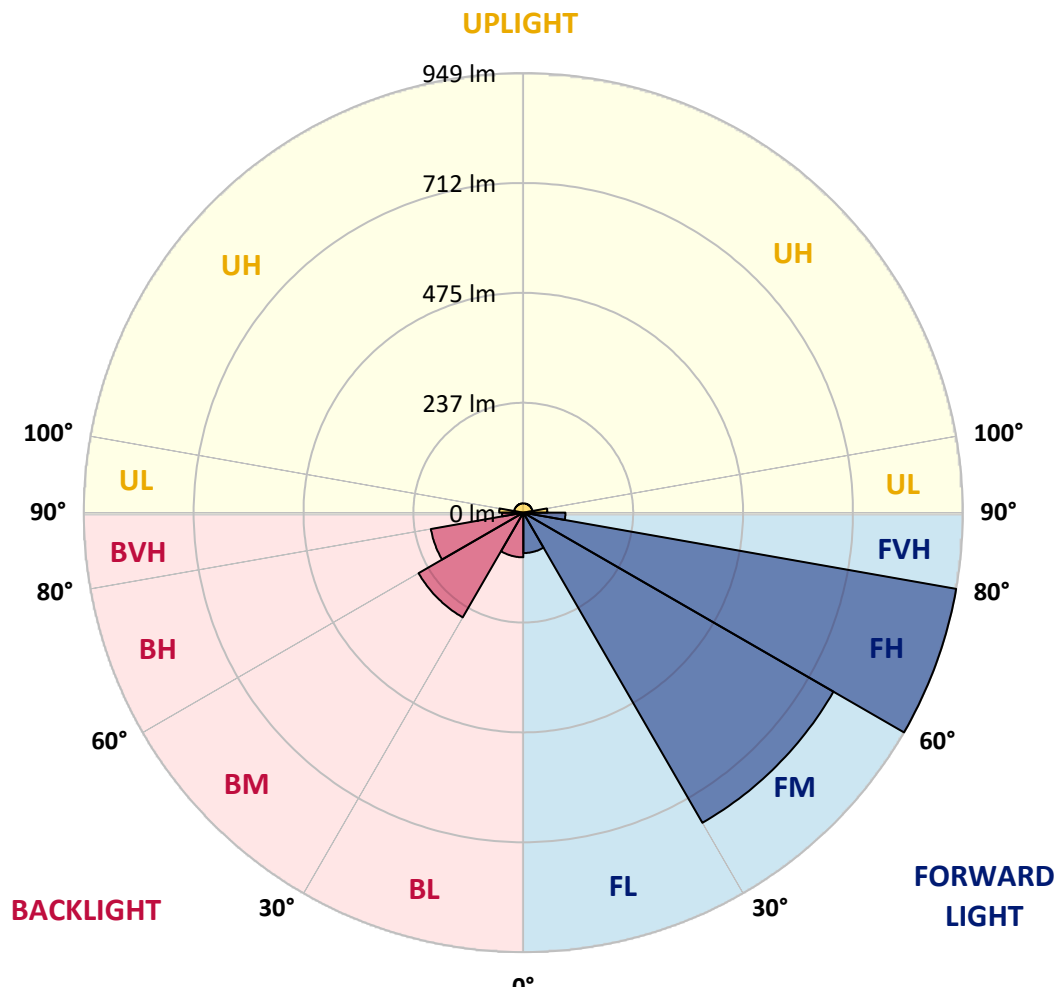
CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.4	3.4			
FM	(30°-60°)	773.6	30.0			
FH	(60°-80°)	949.4	36.8			G1/1800
FVH	(80°-90°)	91.0	3.5			G1/100
BL	(0°-30°)	96.5	3.7	B0/110		
BM	(30°-60°)	261.3	10.1	B1/1000		
BH	(60°-80°)	202.7	7.9	B1/500		G1/500
BVH	(80°-90°)	46.1	1.8			G1/100
UL	(90°-100°)	52.0	2.0		U3/500	
UH	(100°-180°)	20.0	0.8		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium



REPORT NUMBER: P560058

CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1
2.5°	236.0	259.0	255.0	262.0	266.0	272.0	276.0	278.0	280.0	282.0	282.0
5°	219.0	220.0	221.0	222.0	224.0	227.0	230.0	262.0	272.0	276.0	276.0
7.5°	200.0	199.0	203.0	208.0	215.0	219.0	222.0	223.0	234.0	243.0	245.0
10°	199.0	200.0	200.0	202.0	190.0	189.0	175.0	176.0	191.0	214.0	215.0
12.5°	173.0	178.0	189.0	197.0	185.0	166.0	163.0	171.0	160.0	188.0	189.0
15°	193.0	192.0	192.0	184.0	156.0	164.0	146.0	152.0	186.0	212.0	217.0
17.5°	168.0	166.0	186.0	180.0	162.0	137.0	164.0	162.0	168.0	183.0	180.0
20°	211.0	209.0	205.0	156.0	164.0	172.0	167.0	156.0	197.0	220.0	233.0
22.5°	197.0	199.0	209.0	198.0	169.0	177.0	158.0	192.0	186.0	177.0	179.0
25°	269.0	267.0	257.0	194.0	202.0	165.0	193.0	171.0	236.0	262.0	264.0
27.5°	248.0	245.0	238.0	244.0	205.0	216.0	188.0	224.0	261.0	307.1	321.1
30°	329.1	326.1	318.1	246.0	244.0	214.0	228.0	275.0	352.1	387.1	386.1
32.5°	424.1	402.1	353.1	315.1	261.0	278.0	261.0	324.1	375.1	409.1	409.1
35°	482.1	478.1	452.1	366.1	304.1	303.1	300.1	357.1	414.1	438.1	436.1
37.5°	531.1	538.1	519.1	424.1	343.1	351.1	336.1	402.1	462.1	476.1	474.1
40°	599.1	597.1	587.1	474.1	391.1	390.1	379.1	456.1	515.1	525.1	520.1
42.5°	700.1	689.1	659.1	541.1	442.1	442.1	422.1	507.1	580.1	581.1	584.1
45°	824.1	819.1	766.1	645.1	508.1	507.1	474.1	561.1	646.1	651.1	642.1
47.5°	910.2	895.2	869.2	740.1	610.1	587.1	537.1	614.1	725.1	721.1	703.1
50°	995.2	983.2	959.2	844.1	716.1	670.1	596.1	669.1	801.1	790.1	773.1
52.5°	1068.2	1052.2	1026.2	929.2	809.1	773.1	664.1	719.1	878.2	860.2	844.1
55°	1110.2	1077.2	1079.2	1005.2	879.2	850.2	740.1	800.1	953.2	927.2	914.2
57.5°	1058.2	1056.2	1089.2	1052.2	943.2	914.2	821.1	881.2	1031.2	997.2	991.2
60°	1006.2	1012.2	1059.2	1066.2	993.2	972.2	891.2	996.2	1107.2	1070.2	1070.2
62.5°	934.2	951.2	1017.2	1071.2	998.2	1029.2	964.2	1094.2	1190.2	1156.2	1167.2
65°	852.2	852.2	928.2	1030.2	982.2	1067.2	1045.2	1201.2	1263.2	1243.2	1266.2
67.5°	740.1	742.1	821.1	950.2	953.2	1086.2	1110.2	1285.2	1339.2	1324.2	1341.2
70°	628.1	629.1	695.1	840.1	889.2	1079.2	1166.2	1341.2	1376.2	1378.2	1386.2
72.5°	470.1	487.1	549.1	682.1	778.1	1050.2	1195.2	1357.2	1375.2	1378.2	1352.2
75°	253.0	261.0	330.1	444.1	578.1	931.2	1186.2	1340.2	1327.2	1292.2	1224.2
77.5°	88.0	92.0	116.0	194.0	328.1	659.1	1100.2	1266.2	1224.2	1114.2	1014.2
80°	57.0	57.0	63.0	93.0	149.0	312.1	854.2	1085.2	986.2	751.1	658.1
82.5°	40.0	41.0	46.0	62.0	96.0	134.0	444.1	551.1	543.1	374.1	315.1
85°	29.0	30.0	32.0	36.0	66.0	83.0	173.0	265.0	245.0	134.0	126.0
87.5°	13.0	15.0	13.0	16.0	26.0	51.0	83.0	82.0	78.0	89.0	91.0
90°	10.0	10.0	8.0	9.0	18.0	46.0	77.0	74.0	79.0	97.0	96.0
92.5°	10.0	10.0	8.0	9.0	17.0	46.0	81.0	72.0	82.0	104.0	105.0
95°	10.0	11.0	8.0	8.0	14.0	47.0	86.0	77.0	87.0	113.0	113.0
97.5°	9.0	9.0	6.0	7.0	11.0	43.0	86.0	66.0	64.0	91.0	90.0
100°	7.0	8.0	4.0	6.0	8.0	26.0	64.0	41.0	18.0	21.0	32.0
102.5°	7.0	7.0	4.0	5.0	6.0	11.0	34.0	24.0	5.0	7.0	7.0
105°	7.0	8.0	4.0	4.0	4.0	5.0	16.0	12.0	4.0	6.0	7.0
107.5°	8.0	8.0	3.0	3.0	3.0	3.0	6.0	5.0	4.0	7.0	8.0



REPORT NUMBER: P560058

CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	7.0	7.0	3.0	3.0	2.0	2.0	2.0	3.0	4.0	6.0	7.0
115°	5.0	5.0	2.0	3.0	2.0	2.0	2.0	3.0	3.0	5.0	6.0
117.5°	5.0	4.0	2.0	2.0	1.0	2.0	2.0	3.0	4.0	7.0	7.0
120°	5.0	5.0	2.0	1.0	1.0	1.0	1.0	2.0	5.0	8.0	9.0
122.5°	5.0	5.0	2.0	1.0	1.0	1.0	1.0	2.0	5.0	8.0	9.0
125°	6.0	5.0	3.0	1.0	1.0	1.0	1.0	1.0	4.0	7.0	8.0
127.5°	5.0	5.0	3.0	1.0	1.0	1.0	1.0	1.0	3.0	6.0	7.0
130°	5.0	5.0	3.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	5.0
132.5°	4.0	4.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	4.0
135°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	3.0
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	3.0	3.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0
152.5°	3.0	3.0	4.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0
157.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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

REPORT NUMBER: P560058

CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1
2.5°	283.1	285.1	286.1	289.1	289.1	289.1	282.0	265.0	265.0	266.0	267.0
5°	279.0	281.0	285.1	271.0	257.0	256.0	261.0	264.0	265.0	266.0	264.0
7.5°	247.0	251.0	249.0	250.0	257.0	264.0	270.0	266.0	256.0	249.0	251.0
10°	220.0	224.0	202.0	204.0	212.0	232.0	265.0	276.0	283.1	286.1	286.1
12.5°	193.0	196.0	177.0	205.0	191.0	222.0	258.0	285.1	258.0	247.0	247.0
15°	221.0	227.0	204.0	182.0	186.0	225.0	198.0	272.0	280.0	282.0	284.1
17.5°	189.0	185.0	189.0	192.0	209.0	175.0	227.0	256.0	240.0	234.0	237.0
20°	238.0	242.0	221.0	189.0	191.0	223.0	202.0	229.0	273.0	274.0	276.0
22.5°	181.0	186.0	198.0	225.0	197.0	216.0	213.0	238.0	223.0	224.0	232.0
25°	266.0	270.0	249.0	201.0	215.0	195.0	215.0	212.0	250.0	252.0	252.0
27.5°	326.1	317.1	272.0	227.0	189.0	206.0	194.0	202.0	193.0	220.0	224.0
30°	388.1	388.1	353.1	253.0	200.0	175.0	177.0	192.0	214.0	218.0	218.0
32.5°	407.1	406.1	361.1	274.0	197.0	181.0	163.0	181.0	219.0	238.0	240.0
35°	434.1	430.1	375.1	267.0	190.0	165.0	154.0	182.0	210.0	213.0	211.0
37.5°	468.1	458.1	392.1	254.0	174.0	155.0	148.0	164.0	188.0	188.0	188.0
40°	510.1	494.1	398.1	236.0	157.0	142.0	135.0	152.0	168.0	159.0	156.0
42.5°	567.1	543.1	403.1	223.0	142.0	131.0	122.0	138.0	146.0	141.0	139.0
45°	620.1	584.1	411.1	209.0	130.0	121.0	113.0	127.0	133.0	128.0	127.0
47.5°	683.1	635.1	412.1	196.0	121.0	113.0	107.0	119.0	123.0	123.0	122.0
50°	748.1	684.1	420.1	185.0	112.0	105.0	104.0	113.0	116.0	114.0	113.0
52.5°	822.1	739.1	423.1	171.0	101.0	96.0	101.0	107.0	116.0	117.0	117.0
55°	901.2	790.1	421.1	152.0	93.0	91.0	98.0	111.0	119.0	113.0	112.0
57.5°	978.2	841.1	422.1	131.0	85.0	89.0	99.0	116.0	122.0	115.0	112.0
60°	1047.2	887.2	408.1	112.0	79.0	84.0	103.0	121.0	119.0	121.0	118.0
62.5°	1132.2	935.2	368.1	100.0	74.0	82.0	103.0	124.0	116.0	124.0	124.0
65°	1202.2	971.2	311.1	90.0	70.0	82.0	104.0	125.0	113.0	126.0	126.0
67.5°	1232.2	970.2	225.0	82.0	65.0	80.0	104.0	129.0	116.0	130.0	129.0
70°	1220.2	937.2	159.0	76.0	62.0	81.0	108.0	132.0	119.0	138.0	137.0
72.5°	1139.2	859.2	115.0	71.0	58.0	77.0	111.0	136.0	122.0	150.0	150.0
75°	1003.2	718.1	93.0	66.0	54.0	76.0	112.0	138.0	124.0	152.0	152.0
77.5°	767.1	516.1	78.0	61.0	50.0	74.0	111.0	141.0	123.0	152.0	152.0
80°	460.1	294.1	65.0	55.0	51.0	73.0	113.0	141.0	123.0	150.0	150.0
82.5°	212.0	135.0	58.0	46.0	48.0	72.0	115.0	139.0	118.0	150.0	144.0
85°	118.0	95.0	50.0	39.0	43.0	68.0	109.0	125.0	106.0	124.0	122.0
87.5°	88.0	74.0	32.0	20.0	28.0	48.0	84.0	99.0	80.0	96.0	95.0
90°	94.0	78.0	29.0	20.0	30.0	44.0	79.0	88.0	74.0	89.0	88.0
92.5°	101.0	82.0	29.0	21.0	34.0	48.0	79.0	86.0	73.0	81.0	82.0
95°	106.0	85.0	28.0	23.0	36.0	52.0	77.0	79.0	67.0	70.0	73.0
97.5°	83.0	64.0	25.0	24.0	35.0	42.0	63.0	62.0	46.0	43.0	43.0
100°	26.0	18.0	22.0	25.0	21.0	20.0	37.0	44.0	27.0	18.0	17.0
102.5°	8.0	7.0	20.0	24.0	16.0	9.0	20.0	28.0	20.0	3.0	4.0
105°	8.0	8.0	13.0	20.0	11.0	4.0	8.0	15.0	12.0	3.0	3.0
107.5°	8.0	7.0	5.0	11.0	4.0	3.0	4.0	4.0	4.0	3.0	3.0



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CATALOG NUMBER: SDL-PA1-20-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	8.0	4.0	4.0	3.0	3.0	2.0	2.0	3.0	7.0	7.0
115°	7.0	7.0	4.0	3.0	2.0	3.0	2.0	2.0	3.0	8.0	8.0
117.5°	8.0	8.0	4.0	3.0	2.0	2.0	2.0	1.0	3.0	9.0	10.0
120°	10.0	9.0	5.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	9.0
122.5°	10.0	10.0	5.0	2.0	1.0	1.0	1.0	2.0	4.0	8.0	9.0
125°	9.0	9.0	5.0	2.0	1.0	1.0	1.0	1.0	4.0	7.0	7.0
127.5°	8.0	8.0	4.0	2.0	1.0	1.0	1.0	1.0	3.0	6.0	7.0
130°	6.0	6.0	3.0	2.0	1.0	1.0	1.0	1.0	3.0	5.0	6.0
132.5°	5.0	5.0	3.0	2.0	1.0	1.0	1.0	1.0	3.0	4.0	5.0
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	2.0
152.5°	1.0	1.0	1.0	2.0	1.0	0.0	0.0	2.0	2.0	3.0	3.0
155°	3.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
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



Report Generated By 670245982



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110° | 8.0 8.0 3.0 3.0 2.0 2.0 3.0 3.0 4.0 7.0 8.0



110° | 8.0 8.0 4.0 4.0 3.0 3.0 3.0 2.0 2.0 5.0 5.0



(END OF REPORT)