

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: P560723

Luminaire Tested: **SDL-PA1-60-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4630 lumens
Efficiency: N/A
Efficacy: 74.2 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 - G2

Input Watts (W): 62.4
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

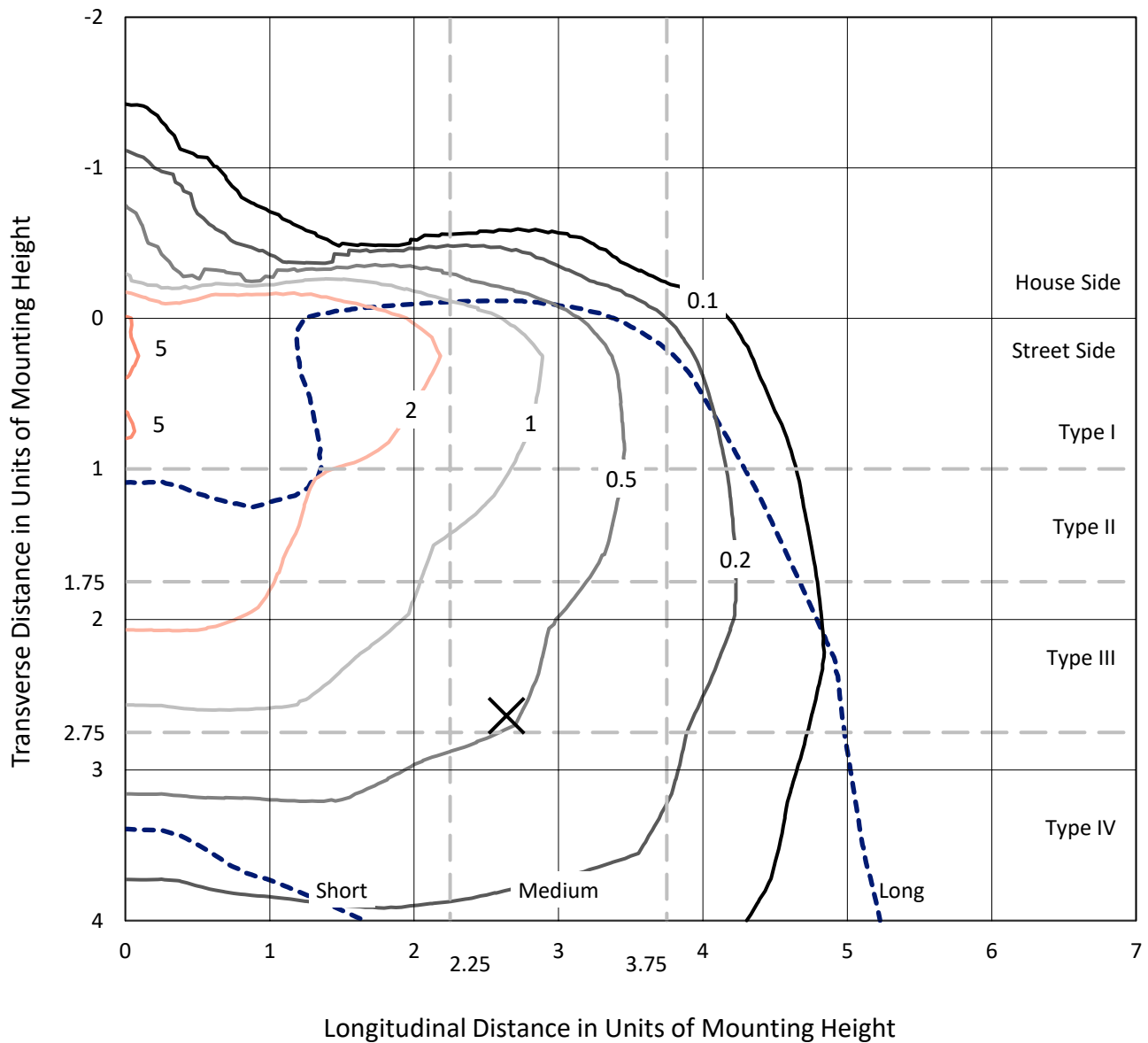


REPORT NUMBER: P560723

CATALOG NUMBER: SDL-PA1-60-730-U-T4W-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

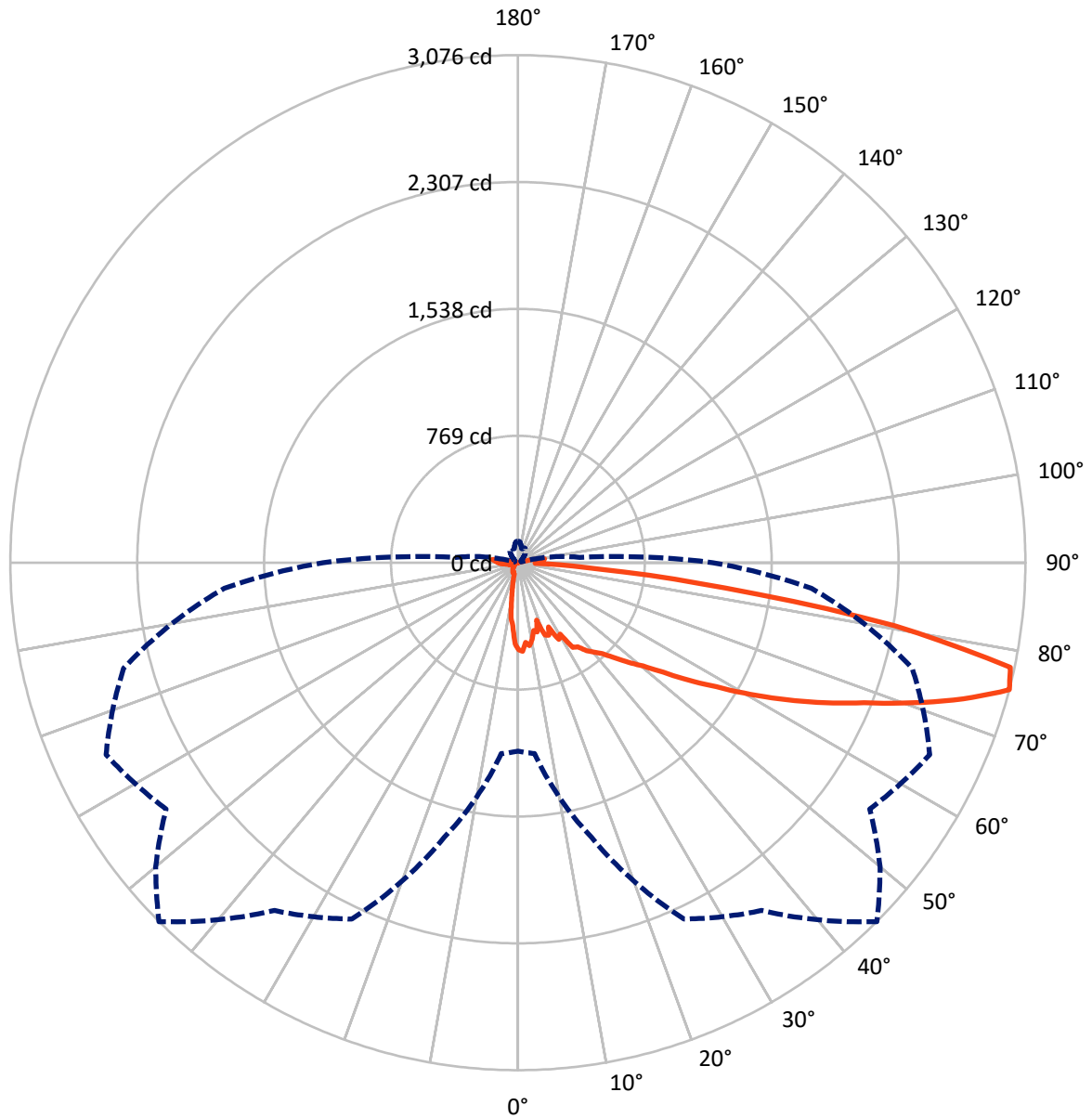


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
Type IV - Medium - N/A

REPORT NUMBER: P560723

CATALOG NUMBER: SDL-PA1-60-730-U-T4W-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P560723

CATALOG NUMBER: SDL-PA1-60-730-U-T4W-HSS-A

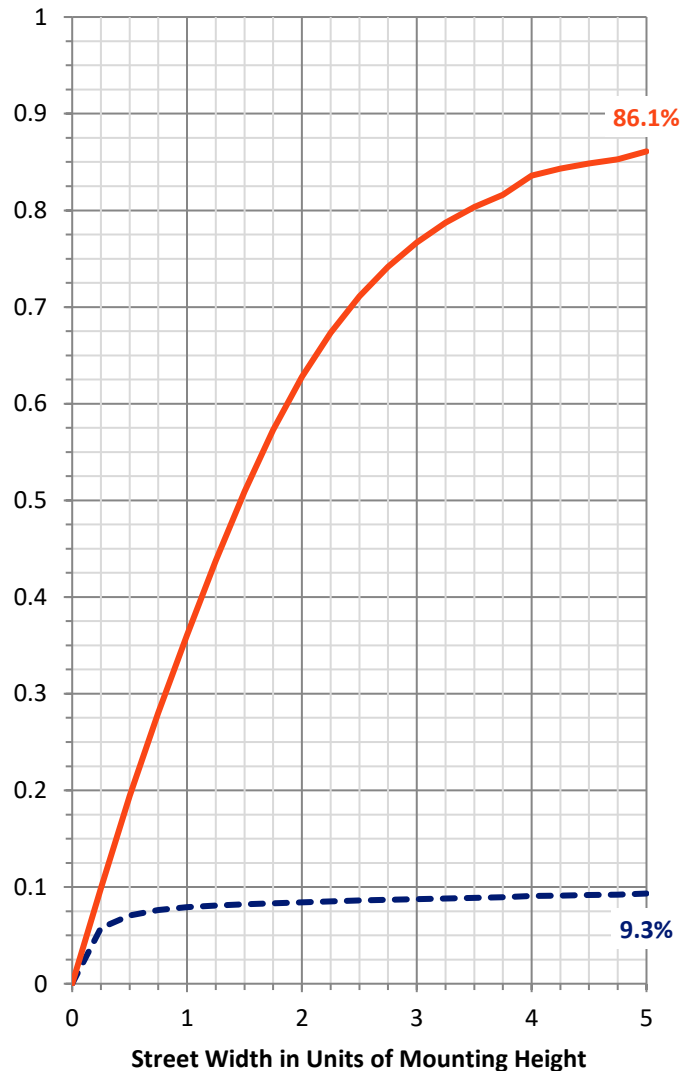
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.1	83.2	558.2
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4007.4	64.3	4071.7
	% Fixture	86.6	1.4	87.9
Total	Lumens	4482.5	147.4	4630.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	0.9
10°-20°	88.6	1.9
20°-30°	148.6	3.2
30°-40°	275.6	6.0
40°-50°	464.4	10.0
50°-60°	833.6	18.0
60°-70°	1251.6	27.0
70°-80°	1145.1	24.7
80°-90°	234.1	5.1
90°-100°	112.0	2.4
100°-110°	23.9	0.5
110°-120°	4.6	0.1
120°-130°	3.6	0.1
130°-140°	1.6	0.0
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4482.5	96.8
0°-180°	4630.0	100.0



REPORT NUMBER: P560723

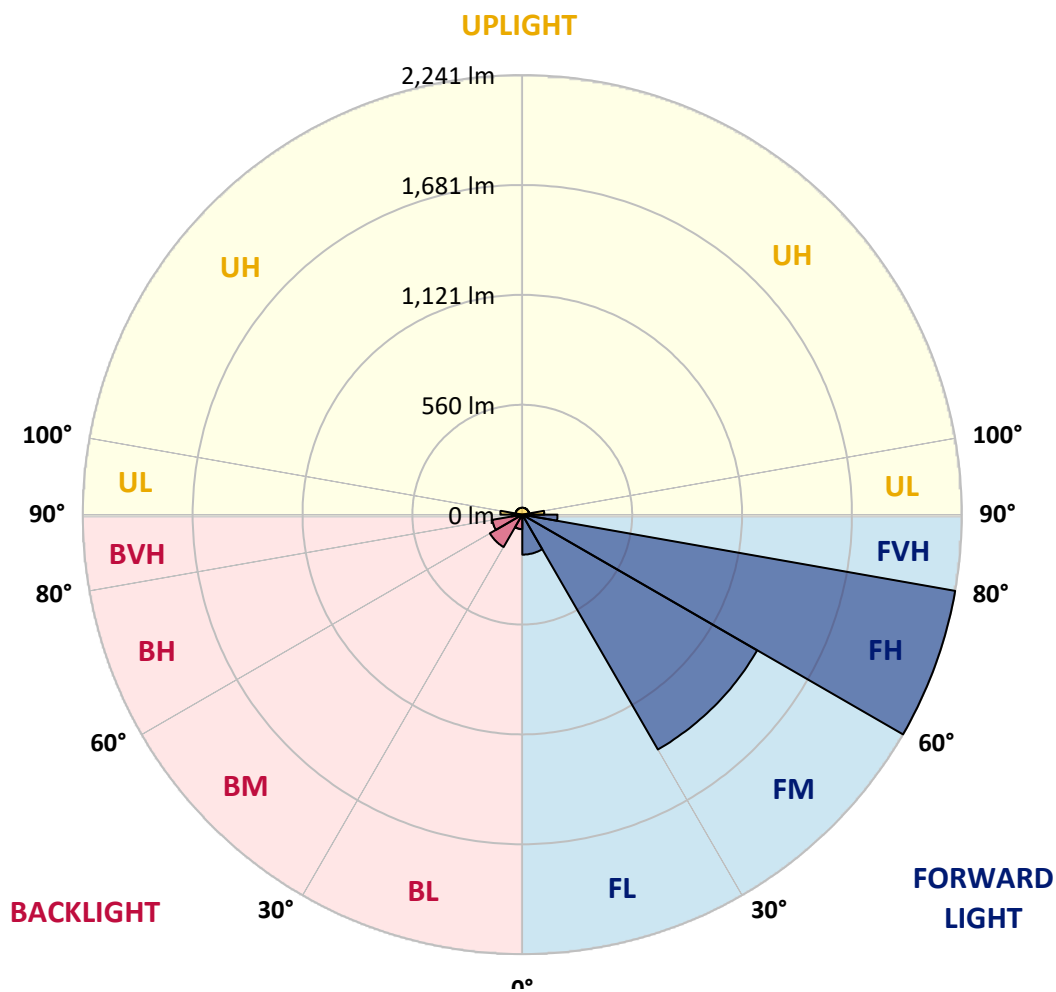
CATALOG NUMBER: SDL-PA1-60-730-U-T4W-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.0	4.4			
FM	(30°-60°)	1382.9	29.9			
FH	(60°-80°)	2241.0	48.4			G2/5000
FVH	(80°-90°)	179.5	3.9			G2/225
BL	(0°-30°)	74.2	1.6	B0/110		
BM	(30°-60°)	190.6	4.1	B0/220		
BH	(60°-80°)	155.7	3.4	B1/500		G1/500
BVH	(80°-90°)	54.6	1.2			G1/100
UL	(90°-100°)	112.0	2.4		U3/500	
UH	(100°-180°)	35.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560723

CATALOG NUMBER: SDL-PA1-60-730-U-T4W-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5
2.5°	512.7	537.4	530.0	542.4	539.9	537.4	537.4	539.9	537.4	532.5	527.5
5°	522.6	515.2	510.2	507.7	497.8	485.4	480.5	475.5	527.5	527.5	517.6
7.5°	537.4	537.4	527.5	520.1	520.1	507.7	495.3	485.4	460.7	453.2	453.2
10°	572.1	567.2	559.7	544.9	470.6	473.0	445.8	391.3	366.6	376.5	391.3
12.5°	579.5	577.1	567.2	564.7	495.3	421.0	349.2	391.3	374.0	312.1	346.7
15°	621.7	616.7	596.9	562.2	423.5	435.9	406.2	349.2	334.4	381.4	408.7
17.5°	530.0	530.0	594.4	544.9	460.7	366.6	364.1	406.2	366.6	341.8	339.3
20°	651.4	651.4	624.1	445.8	473.0	468.1	376.5	426.0	359.1	406.2	433.4
22.5°	542.4	539.9	559.7	552.3	453.2	478.0	386.4	388.8	428.5	366.6	314.5
25°	661.3	661.3	646.4	480.5	515.2	430.9	440.9	465.6	381.4	463.1	468.1
27.5°	569.6	567.2	539.9	549.8	480.5	527.5	401.2	438.4	468.1	500.3	549.8
30°	696.0	700.9	688.5	522.6	535.0	502.8	478.0	507.7	567.2	666.2	698.4
32.5°	859.4	864.4	733.1	629.1	537.4	611.7	512.7	559.7	651.4	698.4	733.1
35°	956.0	918.9	861.9	703.4	579.5	626.6	589.5	596.9	678.6	752.9	777.7
37.5°	1037.7	988.2	921.3	725.7	611.7	676.1	614.2	624.1	735.6	802.4	834.6
40°	1065.0	1035.3	998.1	775.2	651.4	713.3	643.9	666.2	790.1	866.8	916.4
42.5°	1131.9	1134.3	1112.0	844.6	693.5	752.9	693.5	708.3	861.9	956.0	1027.8
45°	1310.2	1315.1	1290.4	963.4	745.5	822.3	772.7	780.2	943.6	1092.2	1183.9
47.5°	1538.0	1520.7	1495.9	1121.9	824.7	901.5	864.4	856.9	1040.2	1270.5	1352.3
50°	1768.4	1736.2	1684.2	1339.9	961.0	983.2	958.5	953.5	1156.6	1453.8	1543.0
52.5°	2008.6	1983.8	1874.9	1545.5	1164.0	1102.1	1074.9	1102.1	1307.7	1656.9	1738.6
55°	2134.9	2110.1	2040.8	1765.9	1359.7	1255.7	1208.6	1258.2	1540.5	1847.6	1954.1
57.5°	2238.9	2231.5	2199.3	1996.2	1597.5	1419.1	1372.1	1419.1	1726.3	2025.9	2152.2
60°	2387.5	2357.8	2387.5	2219.1	1827.8	1619.8	1555.4	1604.9	1954.1	2182.0	2370.2
62.5°	2494.0	2486.6	2546.0	2469.3	2021.0	1830.3	1736.2	1783.2	2154.7	2347.9	2585.7
65°	2380.1	2417.3	2655.0	2632.7	2238.9	2045.8	1946.7	1931.8	2318.2	2526.2	2816.0
67.5°	2177.0	2201.8	2548.5	2716.9	2429.6	2263.7	2144.8	2075.5	2469.3	2687.2	2999.3
70°	1983.8	2013.6	2330.6	2721.9	2521.3	2543.6	2377.6	2248.8	2620.3	2868.0	3038.9
72.5°	1830.3	1857.5	2142.3	2662.4	2553.5	2823.4	2632.7	2432.1	2766.5	2873.0	2655.0
75°	1141.8	1161.6	1723.8	2382.6	2573.3	3076.1	2865.5	2603.0	2754.1	2474.2	1785.7
77.5°	351.7	359.1	738.1	1572.7	2236.5	3051.3	2825.9	2447.0	2308.3	1570.2	814.8
80°	121.4	123.8	190.7	559.7	1337.4	2315.7	2154.7	1800.6	1379.5	579.5	307.1
82.5°	57.0	61.9	89.2	188.2	544.9	1265.6	1273.0	1069.9	579.5	257.6	208.0
85°	19.8	19.8	37.2	81.7	210.5	487.9	463.1	430.9	304.6	232.8	193.2
87.5°	7.4	7.4	12.4	22.3	52.0	104.0	131.3	161.0	161.0	163.5	195.7
90°	7.4	7.4	5.0	5.0	37.2	109.0	131.3	146.1	133.7	148.6	213.0
92.5°	7.4	7.4	5.0	5.0	39.6	126.3	146.1	158.5	141.2	158.5	235.3
95°	7.4	7.4	5.0	5.0	44.6	153.6	170.9	168.4	141.2	165.9	252.6
97.5°	9.9	9.9	5.0	2.5	39.6	163.5	183.3	178.3	121.4	126.3	198.1
100°	9.9	9.9	5.0	2.5	24.8	121.4	146.1	143.6	79.3	19.8	57.0
102.5°	9.9	9.9	5.0	2.5	5.0	57.0	69.3	71.8	47.1	7.4	9.9
105°	12.4	12.4	5.0	2.5	2.5	9.9	22.3	29.7	17.3	5.0	9.9
107.5°	12.4	12.4	5.0	2.5	2.5	5.0	5.0	7.4	7.4	5.0	12.4



REPORT NUMBER: P560723

CATALOG NUMBER: SDL-PA1-60-730-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	9.9	9.9	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	12.4
115°	5.0	5.0	2.5	2.5	0.0	2.5	2.5	2.5	2.5	5.0	9.9
117.5°	2.5	2.5	0.0	2.5	0.0	2.5	2.5	2.5	5.0	5.0	12.4
120°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.4	14.9
122.5°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.4	14.9
125°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.4	14.9
127.5°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	7.4	12.4
130°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	9.9
132.5°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	7.4
135°	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	5.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	7.4	7.4	5.0	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
152.5°	5.0	5.0	7.4	2.5	0.0	0.0	2.5	2.5	5.0	2.5	2.5
155°	5.0	5.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5	5.0	5.0
157.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
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

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CATALOG NUMBER: SDL-PA1-60-730-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5
2.5°	522.6	520.1	512.7	507.7	500.3	492.9	455.7	433.4	430.9	428.5	430.9
5°	512.7	505.2	492.9	435.9	408.7	383.9	376.5	371.5	359.1	359.1	361.6
7.5°	443.3	438.4	398.7	381.4	359.1	336.8	317.0	302.2	265.0	252.6	247.7
10°	388.8	378.9	309.6	274.9	252.6	227.9	227.9	208.0	198.1	190.7	188.2
12.5°	336.8	329.4	272.4	250.1	188.2	163.5	151.1	138.7	131.3	126.3	123.8
15°	393.8	381.4	292.3	200.6	138.7	116.4	91.6	89.2	111.5	116.4	118.9
17.5°	314.5	322.0	260.1	175.8	113.9	71.8	79.3	94.1	106.5	106.5	104.0
20°	418.6	401.2	282.3	141.2	81.7	71.8	76.8	69.3	99.1	106.5	106.5
22.5°	304.6	289.8	232.8	131.3	64.4	69.3	64.4	81.7	91.6	81.7	84.2
25°	453.2	430.9	270.0	91.6	66.9	59.4	74.3	64.4	89.2	96.6	99.1
27.5°	562.2	487.9	265.0	86.7	59.4	66.9	61.9	74.3	71.8	76.8	76.8
30°	671.2	629.1	299.7	79.3	59.4	57.0	64.4	64.4	81.7	89.2	89.2
32.5°	718.2	668.7	262.5	76.8	59.4	57.0	57.0	69.3	76.8	91.6	91.6
35°	767.8	700.9	220.4	71.8	57.0	54.5	54.5	69.3	81.7	91.6	94.1
37.5°	834.6	735.6	178.3	69.3	54.5	52.0	47.1	61.9	86.7	96.6	99.1
40°	918.9	785.1	138.7	64.4	49.5	47.1	44.6	61.9	74.3	86.7	86.7
42.5°	1050.1	839.6	109.0	61.9	47.1	42.1	42.1	52.0	71.8	81.7	81.7
45°	1183.9	904.0	91.6	59.4	44.6	39.6	39.6	52.0	54.5	69.3	69.3
47.5°	1332.5	968.4	84.2	57.0	44.6	34.7	34.7	47.1	47.1	64.4	66.9
50°	1486.0	1022.9	79.3	54.5	39.6	32.2	39.6	32.2	39.6	61.9	66.9
52.5°	1619.8	1067.5	74.3	49.5	37.2	29.7	37.2	32.2	39.6	57.0	57.0
55°	1756.0	1092.2	71.8	47.1	34.7	24.8	37.2	34.7	37.2	52.0	52.0
57.5°	1877.3	1099.7	69.3	47.1	29.7	22.3	34.7	42.1	32.2	42.1	47.1
60°	1986.3	1092.2	61.9	42.1	22.3	22.3	37.2	49.5	44.6	49.5	49.5
62.5°	2087.9	1065.0	49.5	34.7	17.3	22.3	47.1	54.5	42.1	52.0	57.0
65°	2174.5	1027.8	37.2	27.2	12.4	24.8	49.5	61.9	49.5	59.4	64.4
67.5°	2214.2	978.3	29.7	22.3	12.4	27.2	52.0	69.3	57.0	66.9	71.8
70°	2147.3	876.8	24.8	22.3	9.9	32.2	54.5	74.3	64.4	84.2	86.7
72.5°	1783.2	688.5	22.3	22.3	17.3	39.6	69.3	84.2	79.3	113.9	111.5
75°	1181.4	376.5	22.3	19.8	22.3	47.1	84.2	99.1	86.7	128.8	128.8
77.5°	544.9	165.9	19.8	22.3	24.8	52.0	96.6	118.9	99.1	146.1	143.6
80°	237.8	101.5	19.8	19.8	27.2	57.0	109.0	133.7	109.0	161.0	161.0
82.5°	178.3	91.6	17.3	19.8	37.2	64.4	126.3	148.6	121.4	173.4	170.9
85°	165.9	86.7	19.8	22.3	42.1	81.7	148.6	161.0	126.3	178.3	178.3
87.5°	168.4	84.2	19.8	22.3	57.0	104.0	168.4	173.4	138.7	188.2	188.2
90°	173.4	86.7	22.3	24.8	64.4	113.9	188.2	185.8	156.0	198.1	198.1
92.5°	185.8	86.7	24.8	27.2	69.3	126.3	205.6	190.7	168.4	205.6	200.6
95°	193.2	86.7	27.2	29.7	81.7	138.7	217.9	185.8	178.3	190.7	185.8
97.5°	143.6	64.4	32.2	34.7	84.2	156.0	200.6	158.5	116.4	113.9	116.4
100°	47.1	22.3	34.7	37.2	54.5	109.0	148.6	113.9	61.9	47.1	47.1
102.5°	12.4	12.4	32.2	34.7	29.7	47.1	86.7	74.3	42.1	2.5	5.0
105°	12.4	9.9	19.8	27.2	17.3	12.4	34.7	42.1	32.2	2.5	2.5
107.5°	12.4	9.9	9.9	14.9	5.0	5.0	9.9	9.9	9.9	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	9.9	5.0	5.0	5.0	2.5	2.5	2.5	2.5	7.4	9.9
115°	12.4	9.9	2.5	5.0	2.5	2.5	2.5	2.5	5.0	9.9	12.4
117.5°	12.4	9.9	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.4	14.9
120°	14.9	12.4	2.5	2.5	2.5	2.5	2.5	2.5	5.0	14.9	14.9
122.5°	14.9	12.4	2.5	2.5	2.5	2.5	0.0	2.5	7.4	14.9	14.9
125°	14.9	12.4	2.5	2.5	2.5	0.0	0.0	2.5	7.4	14.9	17.3
127.5°	12.4	9.9	2.5	2.5	2.5	0.0	0.0	2.5	5.0	12.4	14.9
130°	9.9	7.4	2.5	2.5	2.5	0.0	0.0	0.0	5.0	12.4	12.4
132.5°	7.4	5.0	2.5	2.5	2.5	0.0	0.0	0.0	5.0	9.9	9.9
135°	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0	2.5	7.4	7.4
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.0	5.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	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



Report Generated By 670245982



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110° | 12.4 12.4 5.0 5.0 2.5 2.5 2.5 2.5 5.0 5.0 12.4



110°	12.4	9.9	5.0	5.0	5.0	5.0	5.0	2.5	2.5	5.0	5.0
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(END OF REPORT)