

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: McGRAW-EDISON

Report Number: P#

Luminaire Tested: **BRT6-A1-830-U-T5-XX-BK**

Issue Date: 1/14/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2004-745-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/14/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: BRT6-A1-830-U-T5-XX-BK  
Description: BOLLARD 6INCH ROUND BASE, 1000LM, TYPE V SYMMETRICAL, BLACK FINISH  
Light Source: (20) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 913 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B1 - U0 - G0

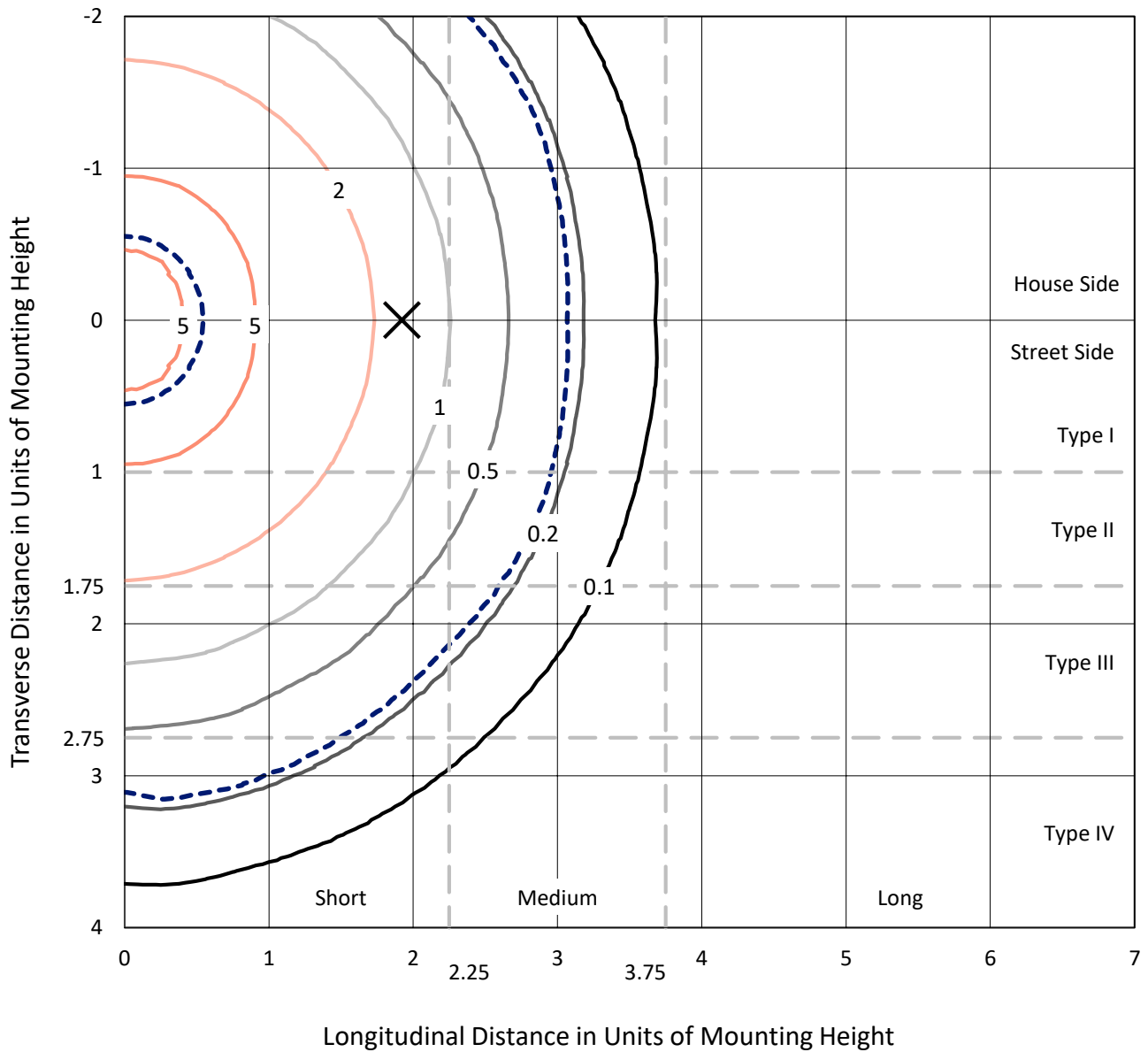
Input Watts (W): 9.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

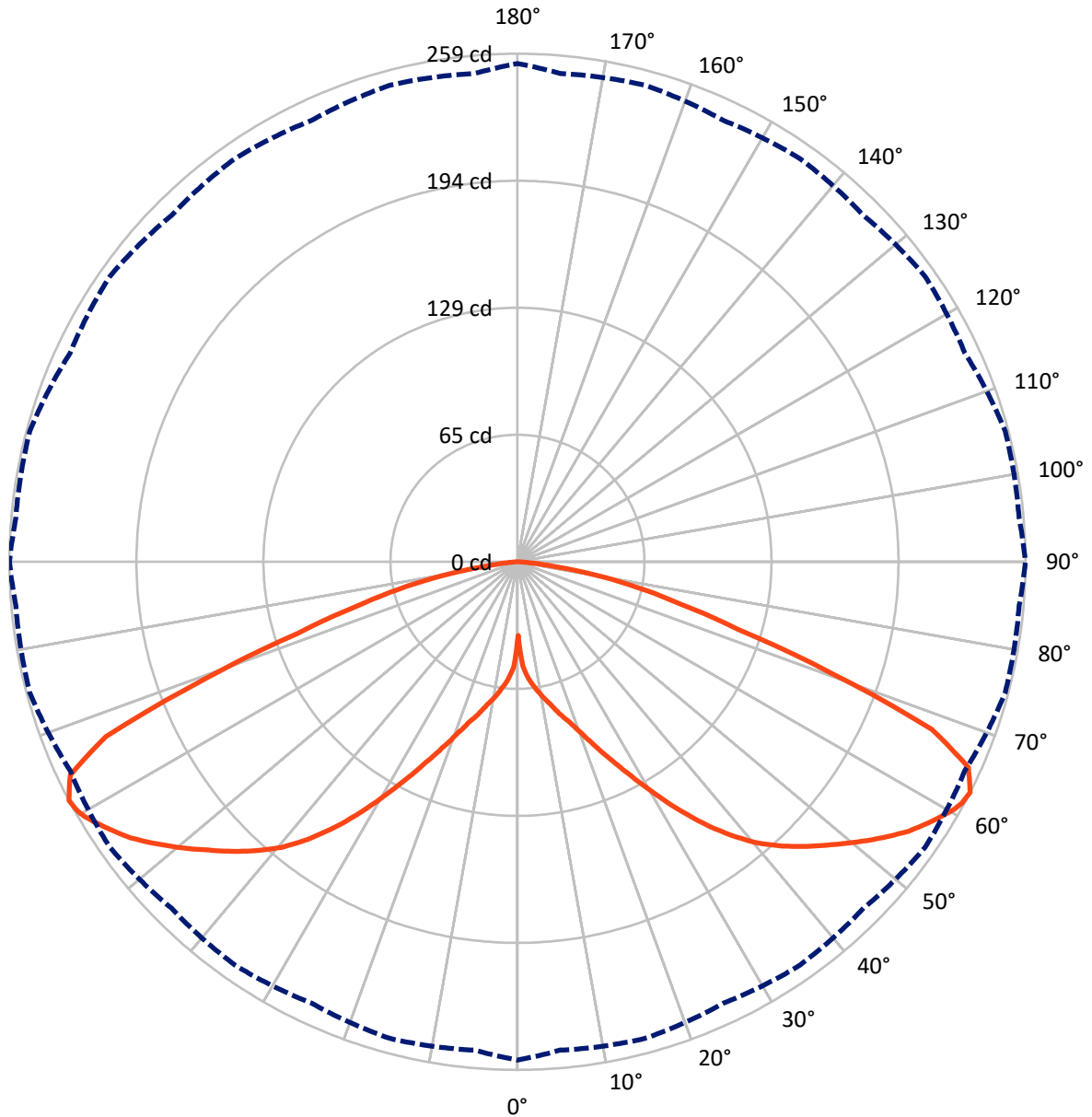
✕ Max cd  
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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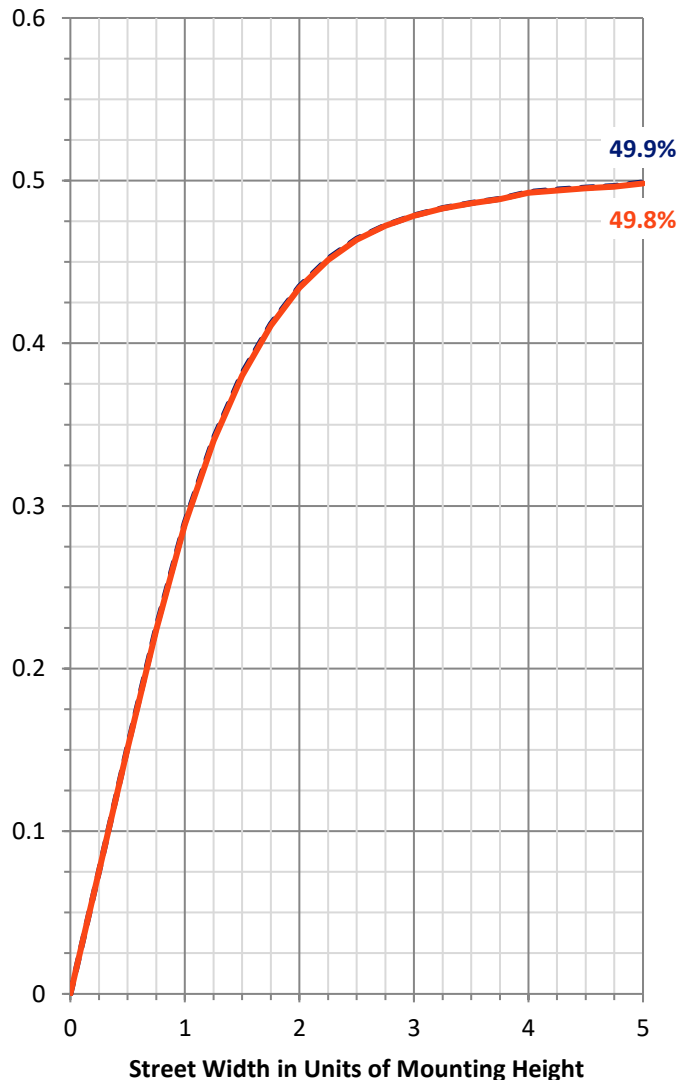
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	456.5	0.0	456.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	456.5	0.0	456.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	913.0	0.0	913.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.9	0.7
10°-20°	22.9	2.5
20°-30°	51.9	5.7
30°-40°	104.4	11.4
40°-50°	165.1	18.1
50°-60°	215.6	23.6
60°-70°	232.4	25.5
70°-80°	101.2	11.1
80°-90°	13.4	1.5
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°	913.0	100.0
0°-180°	913.0	100.0

**Coefficient of Utilization**



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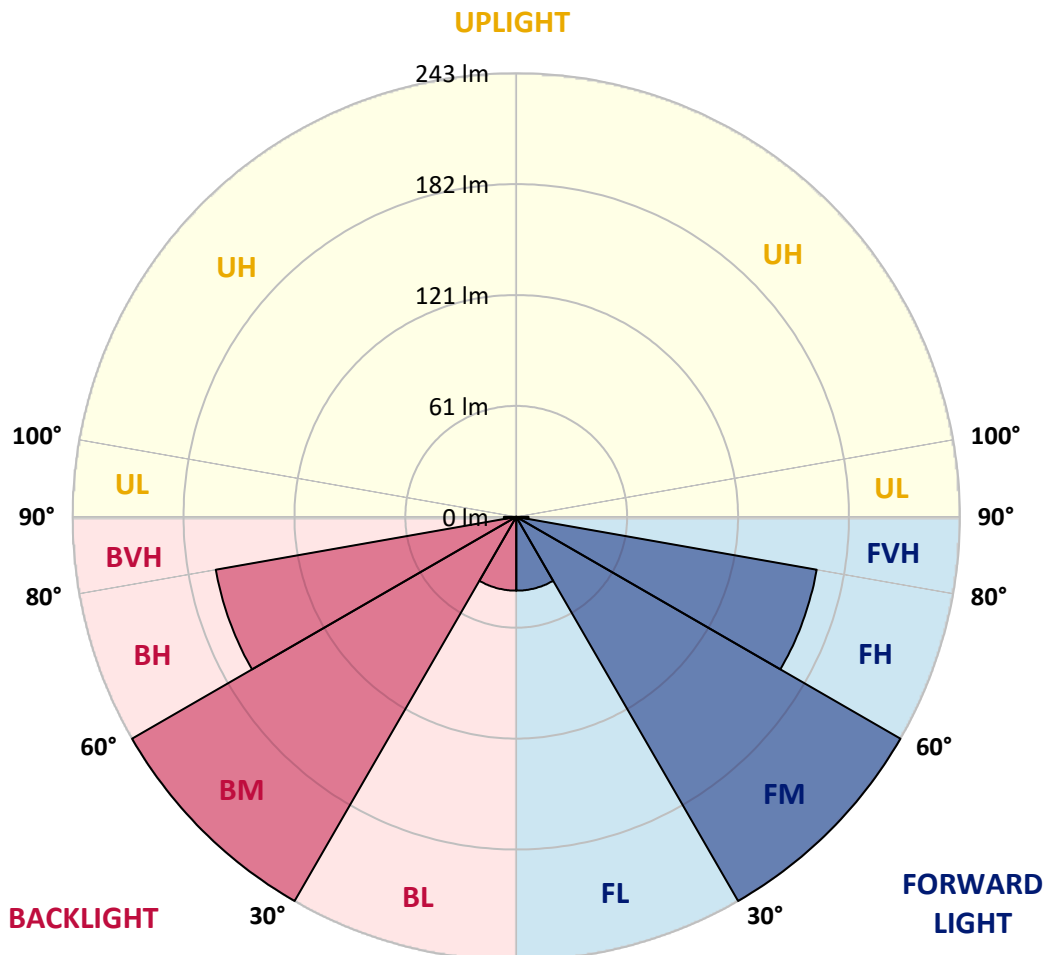
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.4	4.4			
FM	(30°-60°)	242.6	26.6			
FH	(60°-80°)	166.8	18.3			G0/660
FVH	(80°-90°)	6.7	0.7			G0/10
BL	(0°-30°)	40.4	4.4	B0/110		
BM	(30°-60°)	242.6	26.6	B1/1000		
BH	(60°-80°)	166.8	18.3	B1/500		G0/660
BVH	(80°-90°)	6.7	0.7			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	52.4	52.4	51.9	53.1	52.6	53.3	53.1	54.2	53.8	53.8	53.3
5°	60.1	59.7	59.5	59.2	59.7	59.9	59.7	60.1	60.4	60.4	59.9
7.5°	64.5	64.5	64.0	65.2	64.0	65.4	64.7	65.6	64.9	65.2	64.7
10°	68.6	69.3	68.8	69.7	68.6	70.4	69.3	70.4	69.5	69.9	69.7
12.5°	72.4	73.6	73.1	74.3	72.7	75.2	73.8	75.6	74.3	75.0	74.3
15°	77.0	78.1	77.9	78.8	77.5	80.0	78.6	80.9	79.5	80.4	80.2
17.5°	82.5	83.6	82.9	84.5	82.9	85.9	84.3	87.3	85.7	86.6	85.7
20°	88.2	89.5	89.1	90.9	89.3	92.0	90.9	94.1	92.7	94.3	93.2
22.5°	96.8	97.5	96.8	98.6	97.1	100.2	99.3	102.1	100.7	102.5	102.1
25°	107.3	108.0	107.3	108.7	107.3	110.5	109.4	112.1	110.9	112.8	112.1
27.5°	119.8	121.0	119.4	121.0	118.9	122.1	120.3	123.7	122.3	124.2	123.5
30°	135.3	136.0	134.2	135.6	133.3	136.2	134.0	136.9	135.3	136.5	136.2
32.5°	151.3	151.7	150.4	151.3	148.8	151.3	148.5	150.6	149.5	149.9	150.1
35°	166.3	168.4	166.1	167.7	164.9	167.2	163.1	165.2	163.1	164.0	163.8
37.5°	182.9	184.1	181.8	183.6	180.2	181.6	177.7	179.1	176.8	177.2	176.6
40°	196.4	197.8	195.9	197.5	194.3	194.8	191.1	192.1	189.3	188.6	188.2
42.5°	207.1	208.2	207.1	208.5	206.2	206.4	203.4	203.0	200.0	198.2	197.8
45°	214.8	215.5	215.5	217.8	216.2	216.2	213.2	213.0	209.1	208.5	206.6
47.5°	221.9	222.1	222.4	224.9	223.9	224.4	221.2	221.4	218.0	217.1	215.1
50°	227.8	227.8	228.3	231.0	229.4	231.7	228.3	229.0	226.2	225.5	224.2
52.5°	232.6	233.5	233.7	236.5	234.7	237.6	234.7	235.6	233.3	232.8	233.1
55°	237.8	239.0	239.4	241.7	239.7	243.1	241.0	241.5	240.6	239.9	241.9
57.5°	244.5	244.2	244.5	245.1	244.2	246.7	247.0	246.0	247.9	246.0	249.0
60°	250.4	248.6	248.8	247.4	248.6	249.2	251.7	249.9	254.3	252.7	255.6
61°	252.2	249.5	250.1	248.1	249.7	249.5	252.7	251.1	255.8	254.5	257.4
62.5°	253.6	249.5	251.1	247.9	250.6	249.2	253.3	251.3	257.0	256.3	258.6
65°	249.7	245.4	248.6	242.6	246.7	243.1	248.8	244.5	251.3	248.8	252.2
67.5°	231.5	228.3	232.2	222.6	228.5	222.4	226.5	223.5	228.5	224.9	227.6
70°	180.2	177.9	182.9	172.0	176.8	168.4	176.3	176.3	172.5	169.7	168.8
72.5°	121.2	128.3	127.4	125.5	122.3	121.7	123.9	125.8	122.1	119.4	117.6
75°	89.3	91.6	88.2	89.3	89.3	89.5	91.4	91.1	88.6	88.4	85.4
77.5°	66.3	65.8	61.5	63.6	63.3	64.0	62.9	64.9	62.0	63.8	62.2
80°	41.5	42.6	39.0	41.2	40.8	41.7	39.9	42.6	39.4	41.5	39.4
82.5°	20.3	21.0	19.1	21.4	19.1	21.2	19.1	21.4	18.7	20.0	18.0
85°	6.2	6.4	6.2	6.4	6.2	6.2	6.2	6.8	5.9	6.6	6.4
87.5°	3.2	3.0	2.7	2.7	2.7	2.5	2.5	2.7	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By E9970913



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1121 Highway 74 South  
Peachtree City, GA 30269

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Scaled Data Report





— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



--- HS — SS



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0°



(END OF REPORT)