

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: LUMARK

Report Number: P295386

Luminaire Tested: **TCRL20W(7030)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRL20W(7030)
Description: TRACER LARGE, STANDARD TRIM NEMA 5x5
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2176.2 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

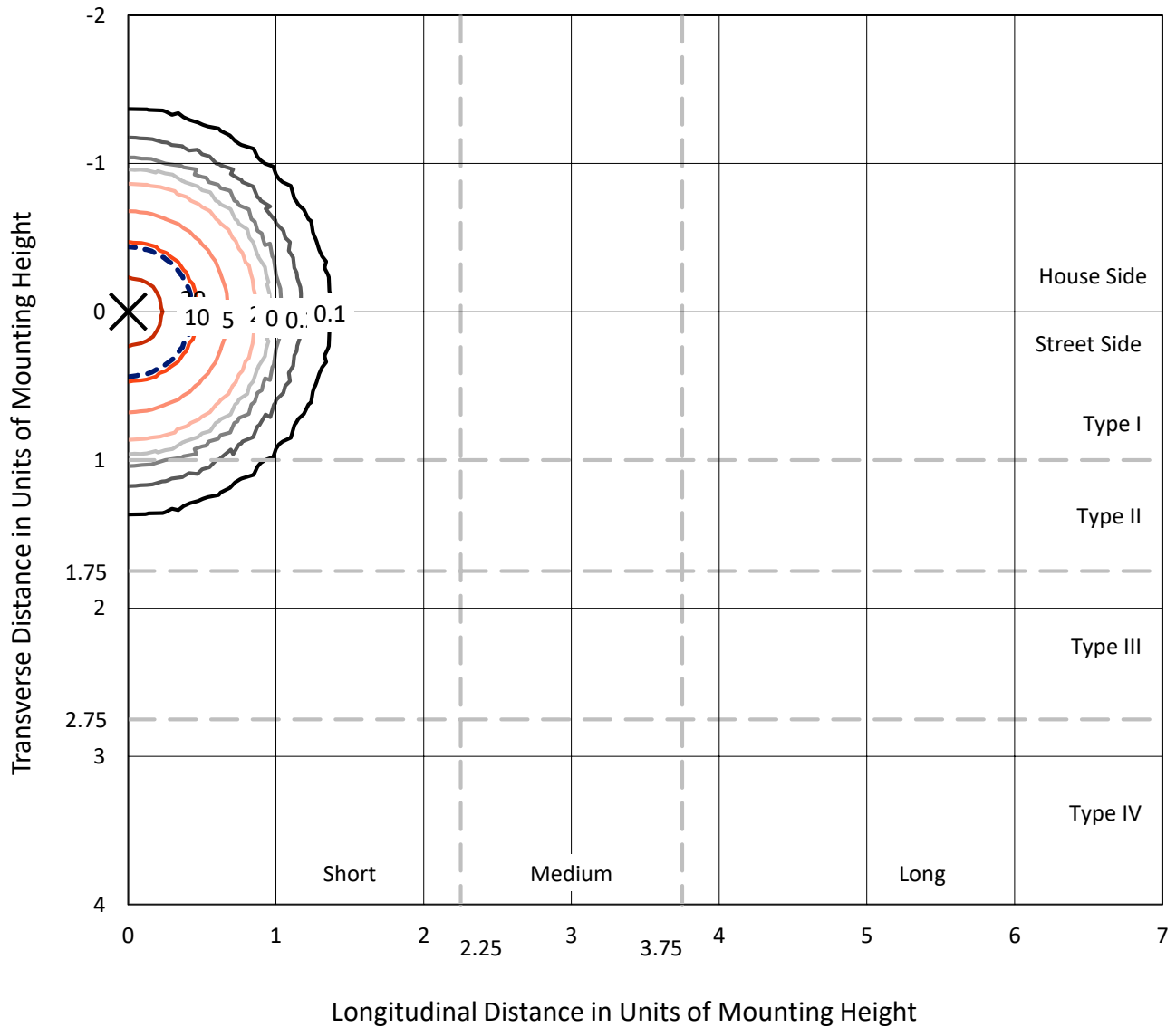
Input Watts (W): 17.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

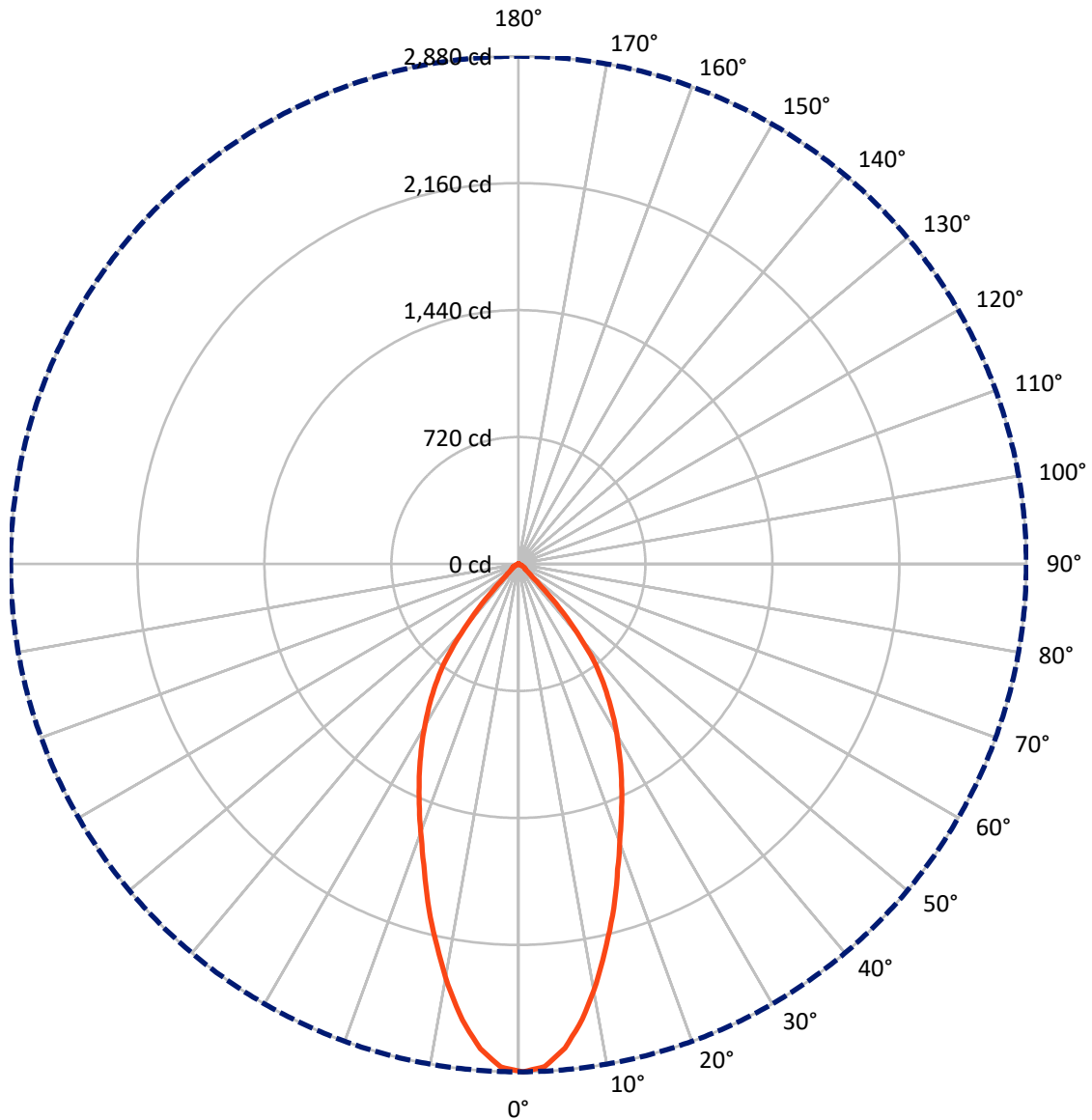
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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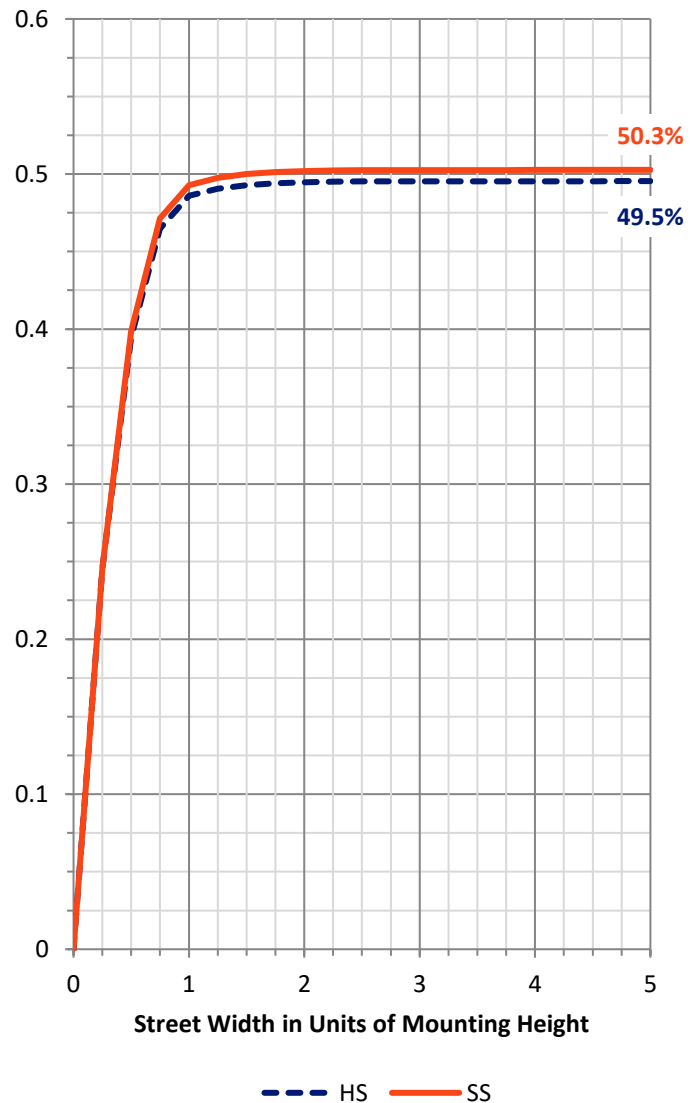
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1088.1	0.0	1088.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1088.1	0.0	1088.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2176.2	0.0	2176.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.3	11.6
10°-20°	562.5	25.8
20°-30°	622.6	28.6
30°-40°	508.7	23.4
40°-50°	169.4	7.8
50°-60°	41.4	1.9
60°-70°	17.3	0.8
70°-80°	1.0	0.0
80°-90°	1.1	0.1
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°	2176.2	100.0
0°-180°	2176.2	100.0



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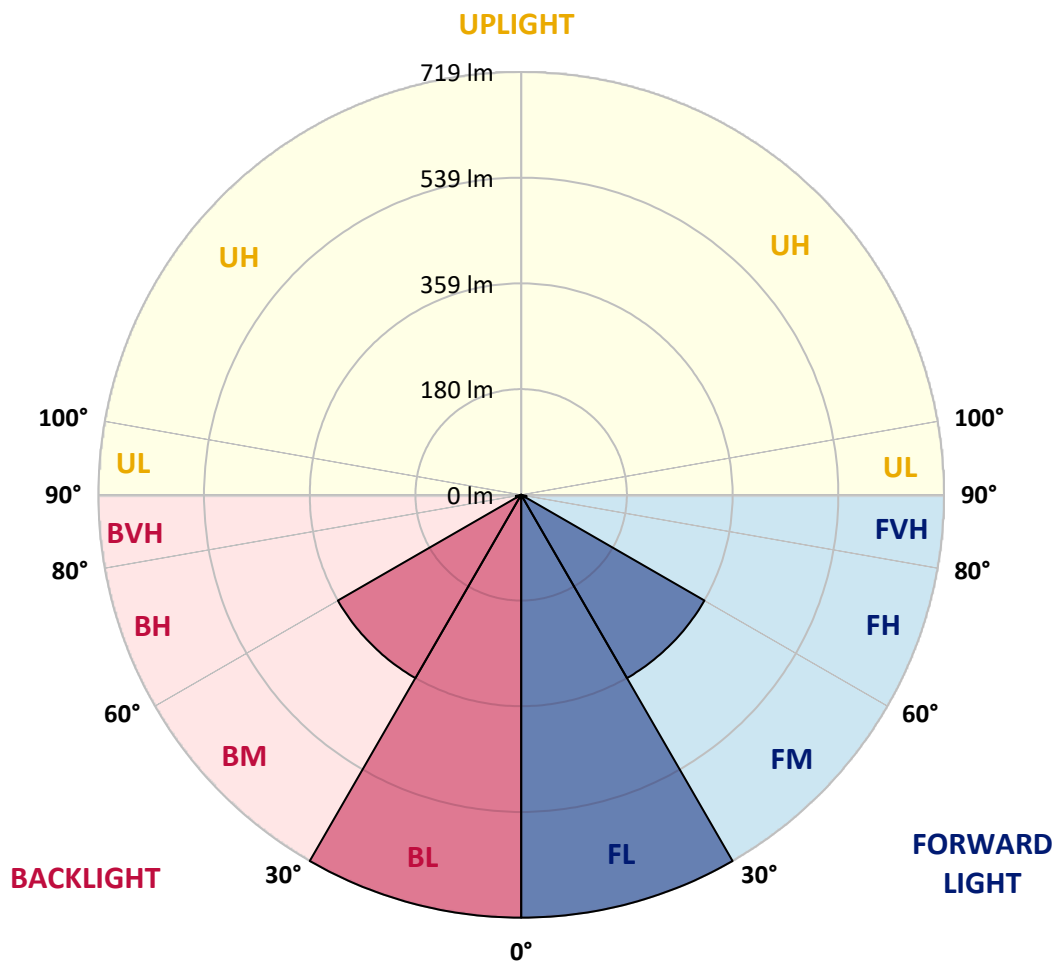
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	718.7	33.0			
FM	(30°-60°)	359.7	16.5			
FH	(60°-80°)	9.2	0.4			G0/660
FVH	(80°-90°)	0.6	0.0			G0/10
BL	(0°-30°)	718.7	33.0	B2/1000		
BM	(30°-60°)	359.7	16.5	B1/1000		
BH	(60°-80°)	9.2	0.4	B0/110		G0/660
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2880.4
2.5°	2854.5
5°	2757.4
7.5°	2606.0
10°	2420.2
12.5°	2216.3
15°	2025.3
17.5°	1820.8
20°	1647.3
22.5°	1499.1
25°	1357.3
27.5°	1220.8
30°	1090.0
32.5°	958.6
35°	828.5
37.5°	694.5
40°	511.4
42.5°	341.8
45°	177.4
47.5°	93.2
50°	64.7
52.5°	48.5
55°	47.9
57.5°	40.1
60°	33.0
62.5°	27.2
65°	16.8
67.5°	9.1
70°	1.9
72.5°	0.0
75°	0.0
77.5°	2.6
80°	0.6
82.5°	1.9
85°	0.0
87.5°	1.9
90°	0.0

(END OF REPORT)