

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: P295381

Luminaire Tested: **TCRL15W(7040-7050)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295381
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: TCRL15W(7040-7050)
Description: TRACER LARGE, STANDARD TRIM NEMA 5x5
Light Source: (16) 4000K&5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1657 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

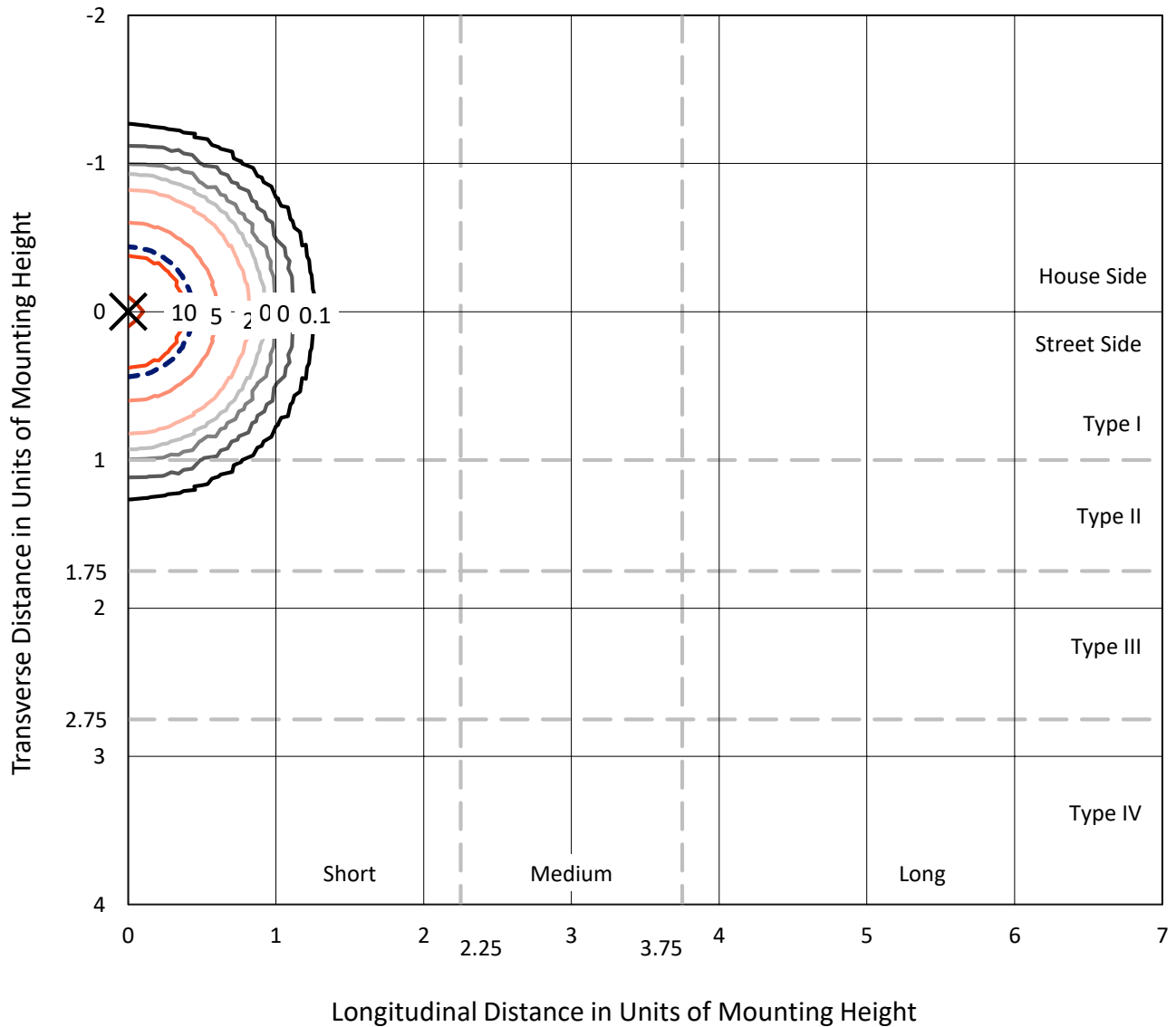
Input Watts (W): 12
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

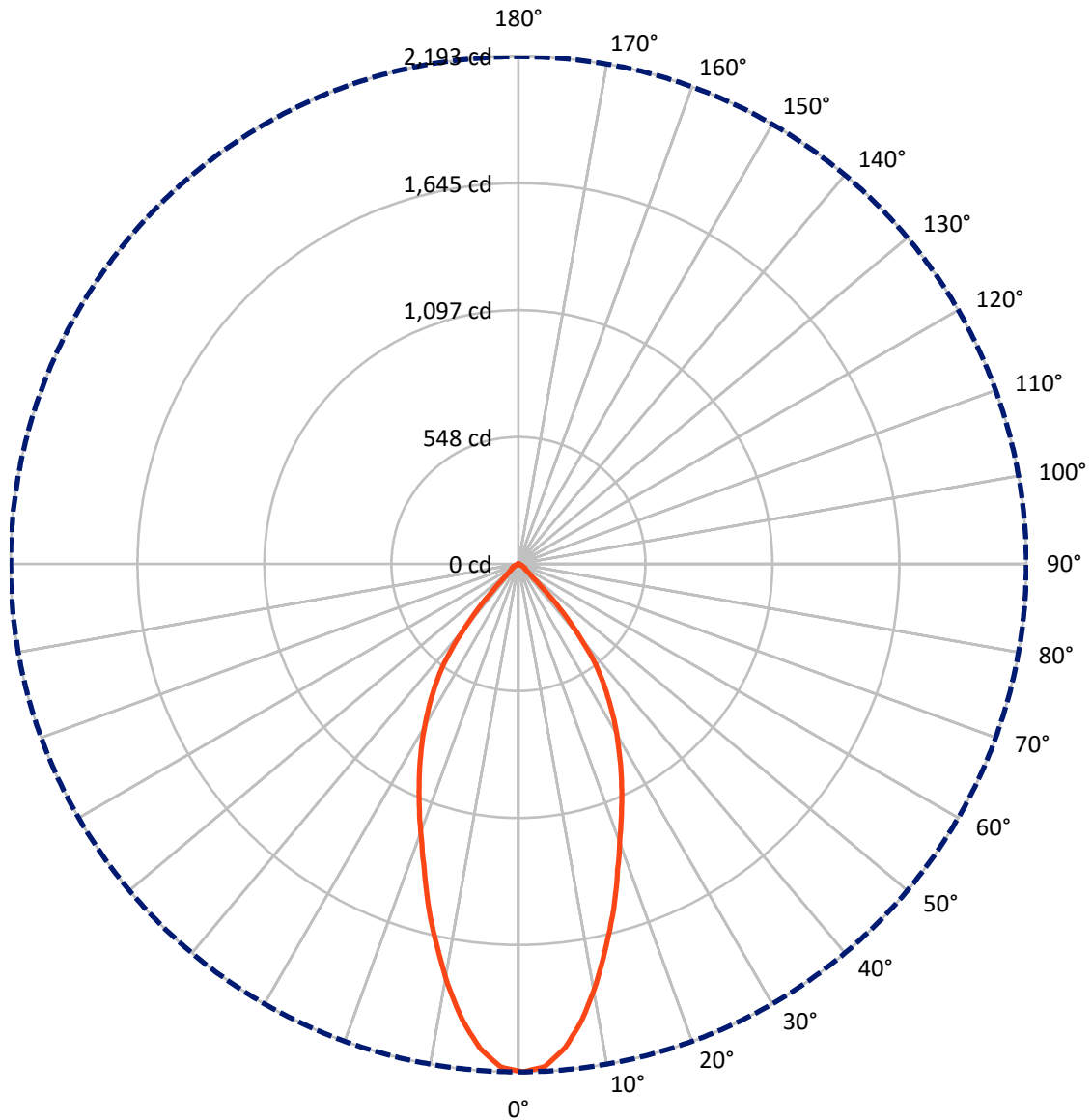
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.9 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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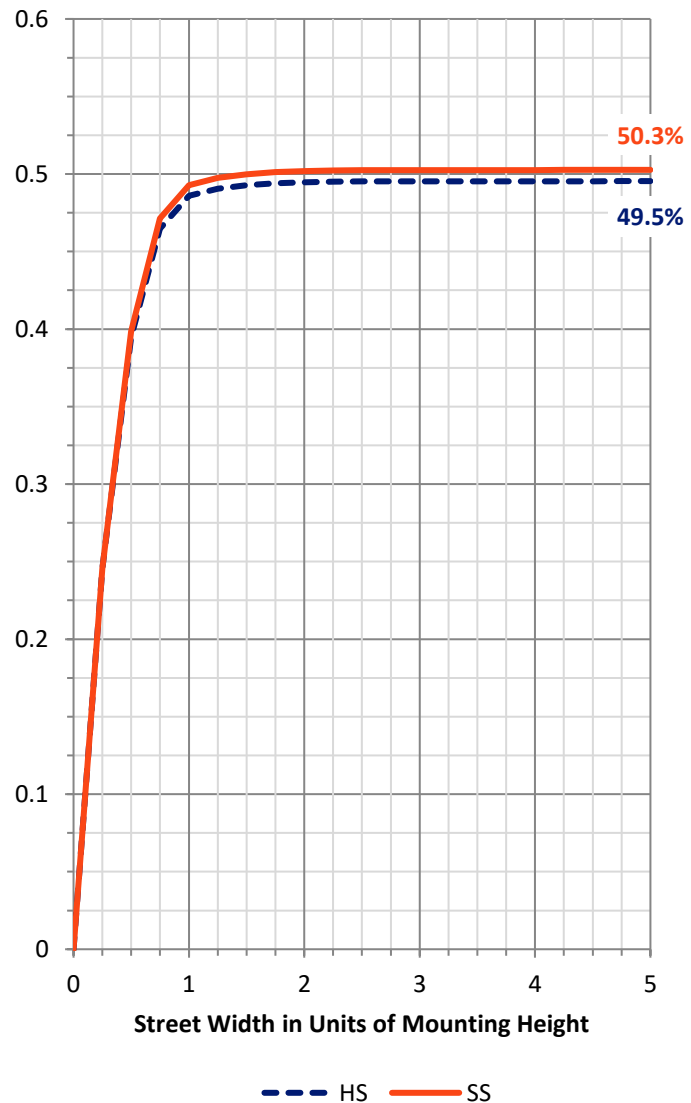
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.5	0.0	828.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	828.5	0.0	828.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1657.0	0.0	1657.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.1	11.6
10°-20°	428.3	25.8
20°-30°	474.0	28.6
30°-40°	387.3	23.4
40°-50°	129.0	7.8
50°-60°	31.5	1.9
60°-70°	13.2	0.8
70°-80°	0.8	0.0
80°-90°	0.9	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°	1657.0	100.0
0°-180°	1657.0	100.0



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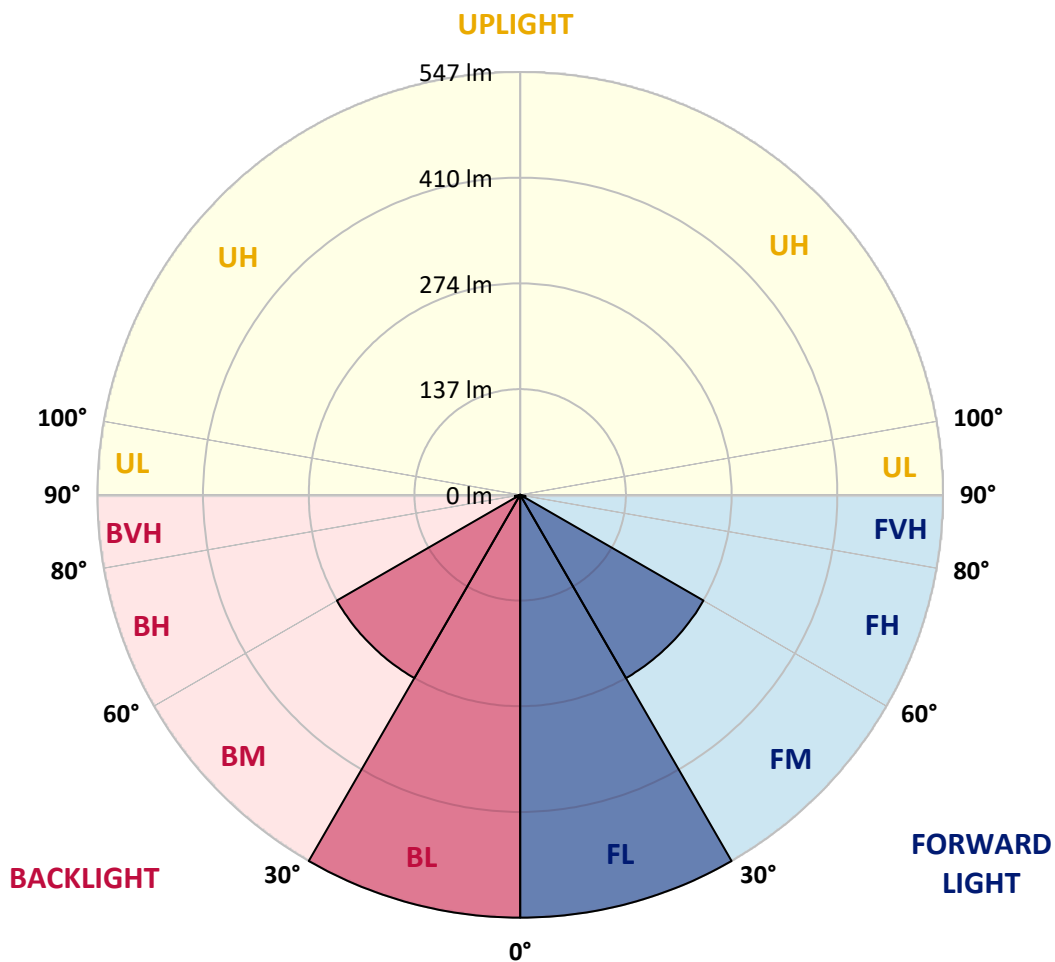
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.2	33.0			
FM (30°-60°)	273.9	16.5			
FH (60°-80°)	7.0	0.4			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	547.2	33.0	B2/1000		
BM (30°-60°)	273.9	16.5	B1/1000		
BH (60°-80°)	7.0	0.4	B0/110		G0/660
BVH (80°-90°)	0.4	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°	2193.0
2.5°	2173.3
5°	2099.3
7.5°	1984.0
10°	1842.6
12.5°	1687.4
15°	1542.0
17.5°	1386.3
20°	1254.2
22.5°	1141.3
25°	1033.4
27.5°	929.4
30°	829.9
32.5°	729.8
35°	630.8
37.5°	528.8
40°	389.3
42.5°	260.2
45°	135.0
47.5°	71.0
50°	49.3
52.5°	37.0
55°	36.5
57.5°	30.6
60°	25.1
62.5°	20.7
65°	12.8
67.5°	6.9
70°	1.5
72.5°	0.0
75°	0.0
77.5°	2.0
80°	0.5
82.5°	1.5
85°	0.0
87.5°	1.5
90°	0.0

(END OF REPORT)