

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: P295382

Luminaire Tested: **TCRL20M(7030)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-140-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRL20M(7030)
Description: TRACER LARGE, STANDARD TRIM NEMA 4x4
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2140.7 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Circular (Dia: 0.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

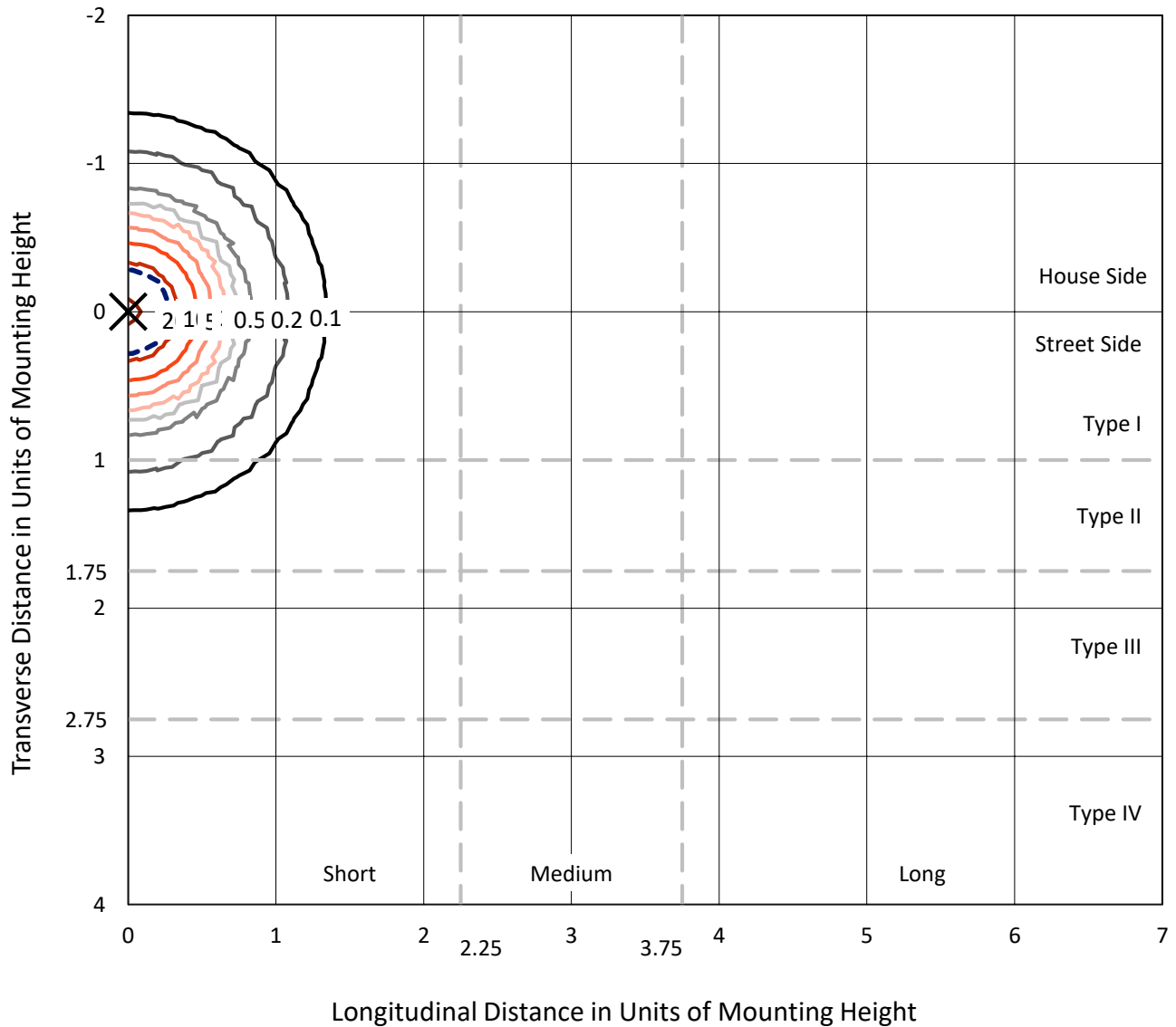
Input Watts (W): 17.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P295382
 CATALOG NUMBER: TCRL20M(7030)

Iso-Footcandle Lines of Horizontal Illumination

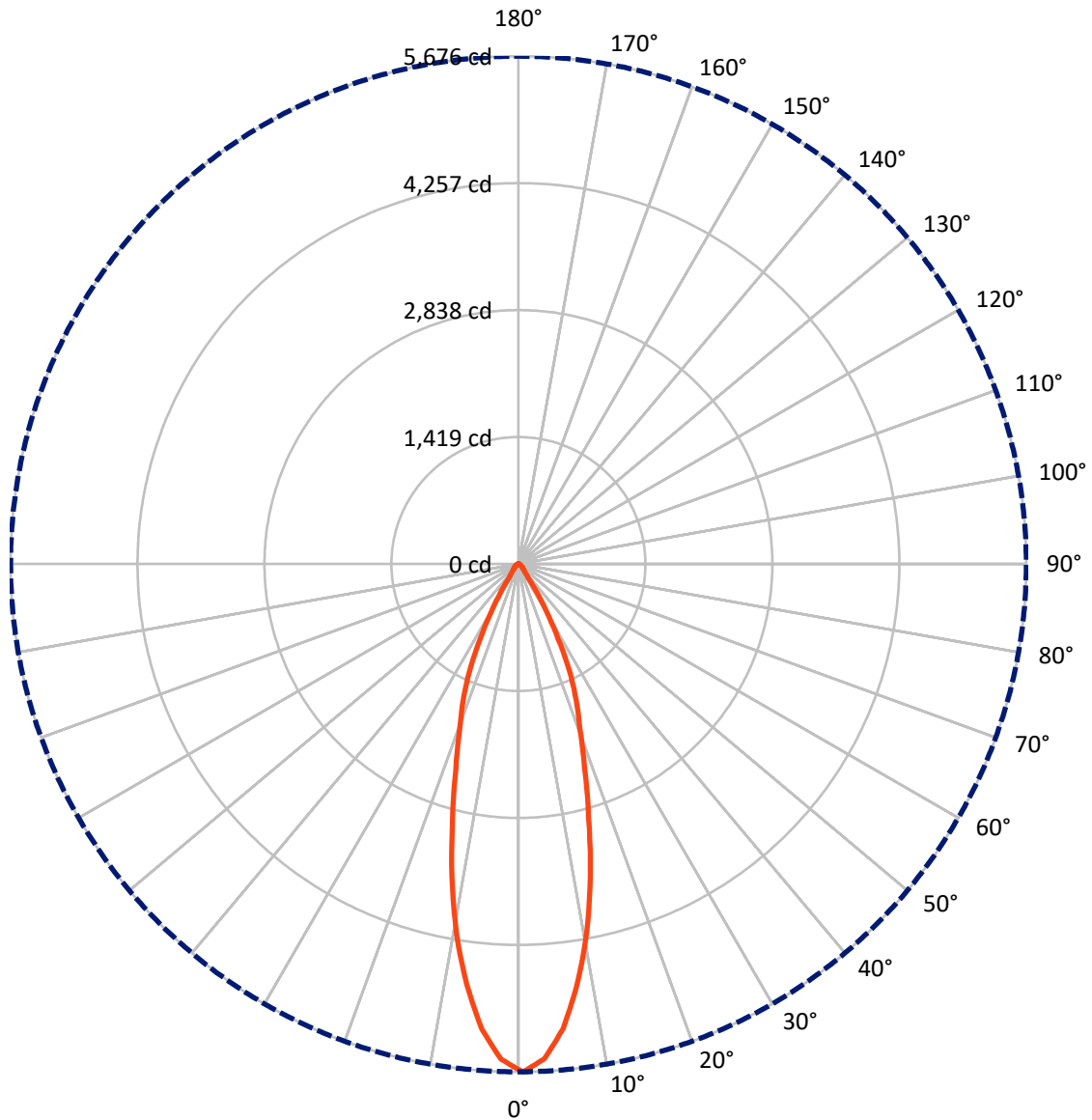
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 56.8 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P295382
CATALOG NUMBER: TCRL20M(7030)

Luminous Intensity Polar Plot



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

REPORT NUMBER: P295382

CATALOG NUMBER: TCRL20M(7030)

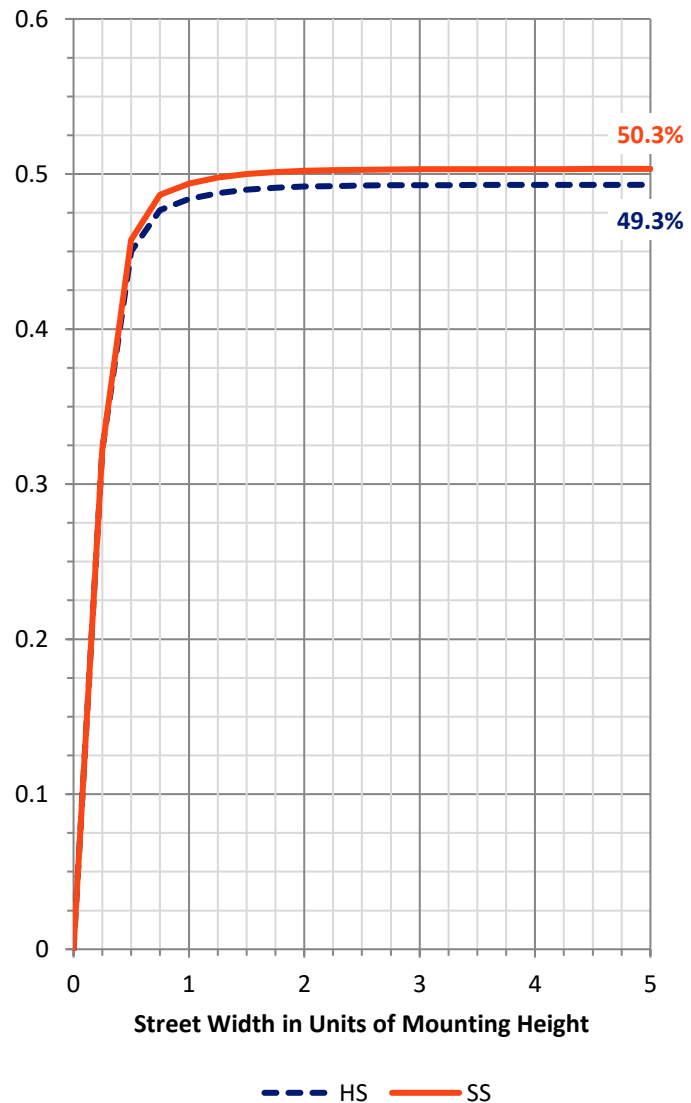
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.3	0.0	1070.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1070.3	0.0	1070.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2140.7	0.0	2140.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.5	21.7
10°-20°	815.7	38.1
20°-30°	585.3	27.3
30°-40°	159.2	7.4
40°-50°	55.9	2.6
50°-60°	36.8	1.7
60°-70°	18.7	0.9
70°-80°	3.8	0.2
80°-90°	0.8	0.0
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°	2140.7	100.0
0°-180°	2140.7	100.0



REPORT NUMBER: P295382

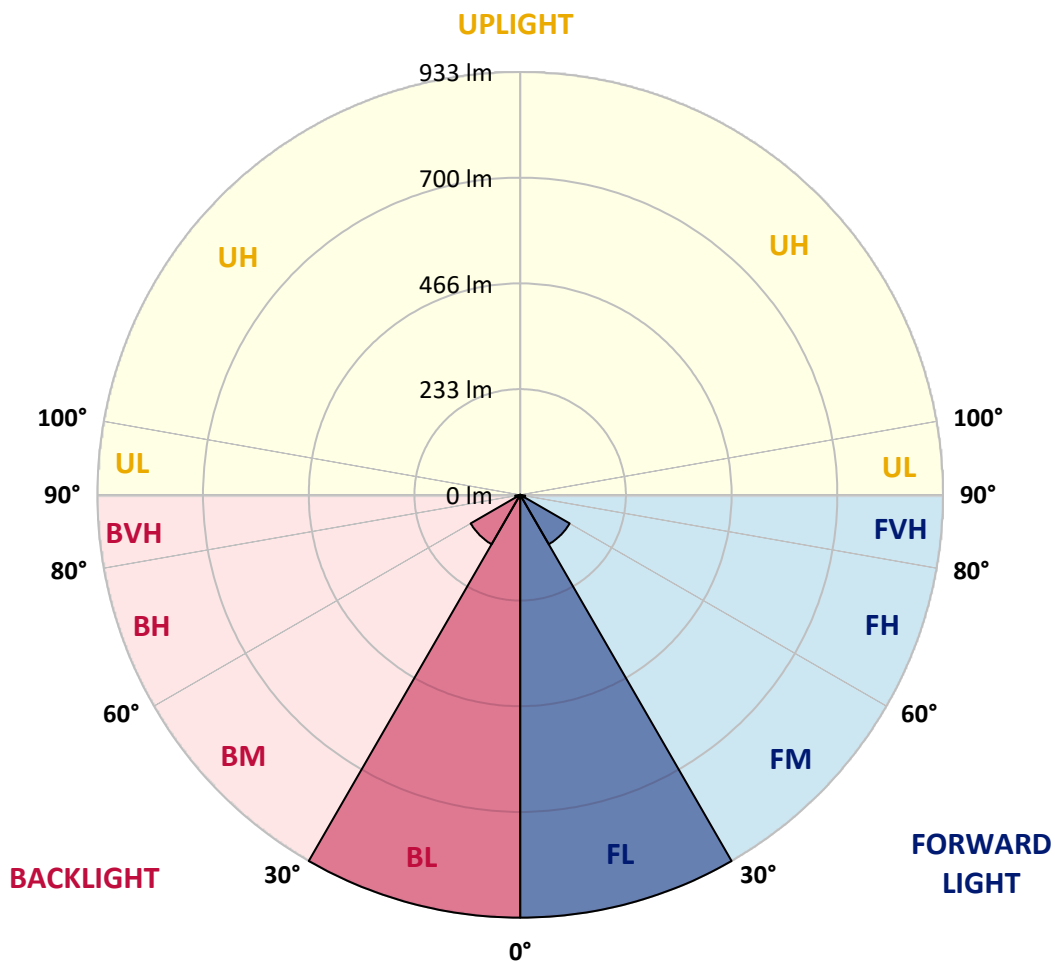
CATALOG NUMBER: TCRL20M(7030)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	932.7	43.6			
FM (30°-60°)	126.0	5.9			
FH (60°-80°)	11.2	0.5			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	932.7	43.6	B2/1000		
BM (30°-60°)	126.0	5.9	B0/220		
BH (60°-80°)	11.2	0.5	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°	5676.3
2.5°	5538.4
5°	5215.4
7.5°	4733.1
10°	4192.6
12.5°	3571.9
15°	2934.9
17.5°	2390.5
20°	1962.6
22.5°	1651.3
25°	1329.6
27.5°	943.8
30°	624.0
32.5°	378.0
35°	185.8
37.5°	129.5
40°	97.7
42.5°	82.9
45°	70.6
47.5°	58.9
50°	59.6
52.5°	47.9
55°	40.8
57.5°	30.4
60°	33.0
62.5°	27.8
65°	16.8
67.5°	8.4
70°	12.9
72.5°	3.2
75°	2.6
77.5°	0.0
80°	4.5
82.5°	0.0
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)