

Scaled data based on original data using
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: E366-40 _150MP

Luminaire Tested: **UTR15PXX55**

Issue Date: 3/3/2020

Test Information

Test Method: LM-31-95
Report Number: E366-40 _150MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTR15PXX55
Description: 175W MH TYPE V TRADITIONAIRE POST TOP
Light Source: 150 WATT PULSE-START CLEAR ED-28 VBD BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 14000 (1 lamp)
Luminaire Lumens: 8408.3 lumens
Efficiency: 60.1%
Efficacy: 45.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 0.92' x H: 1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G3

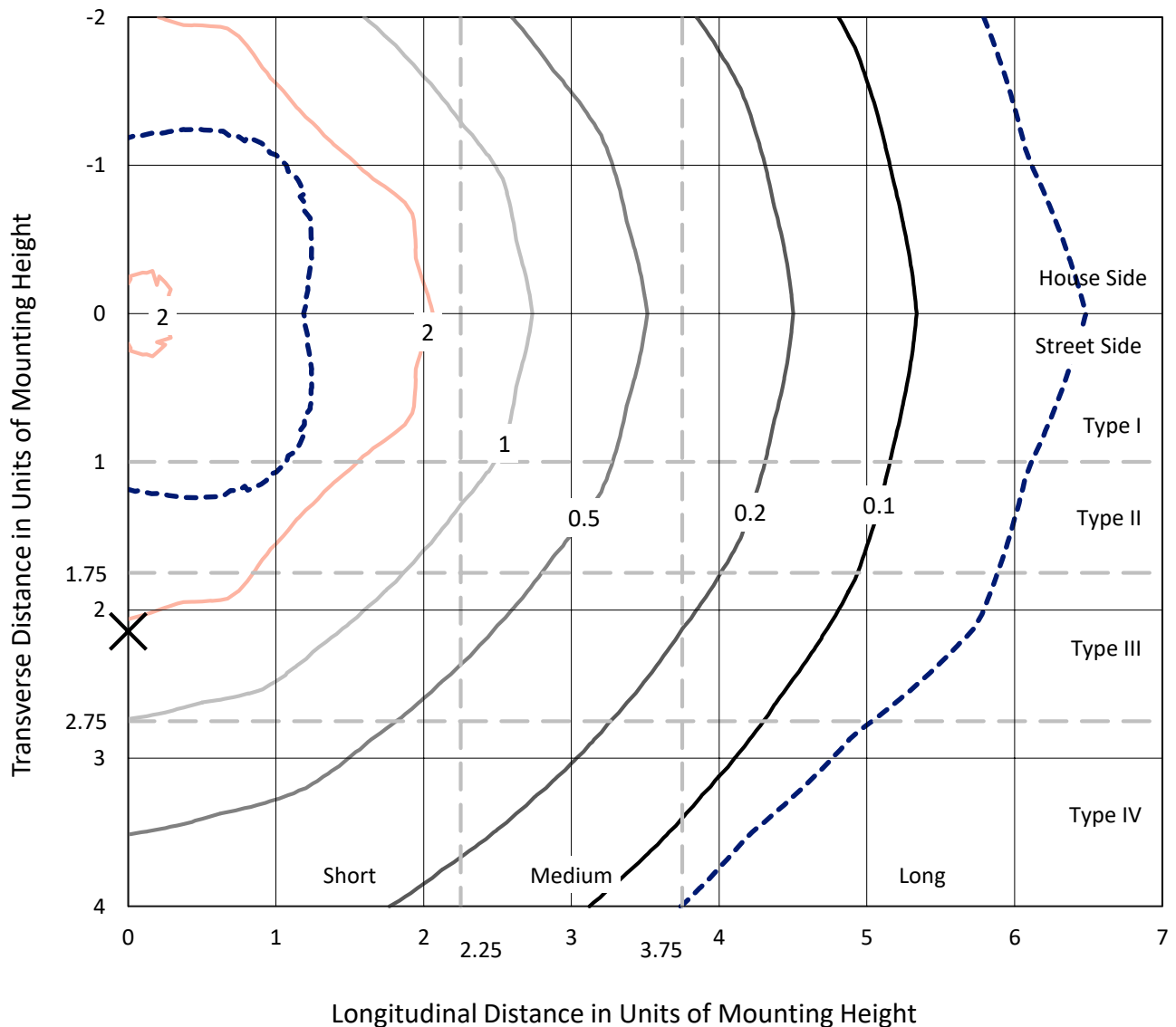
Input Watts (W): 185
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: E366-40 _150MP
 CATALOG NUMBER: UTR15PXX55

Iso-Footcandle Lines of Horizontal Illumination

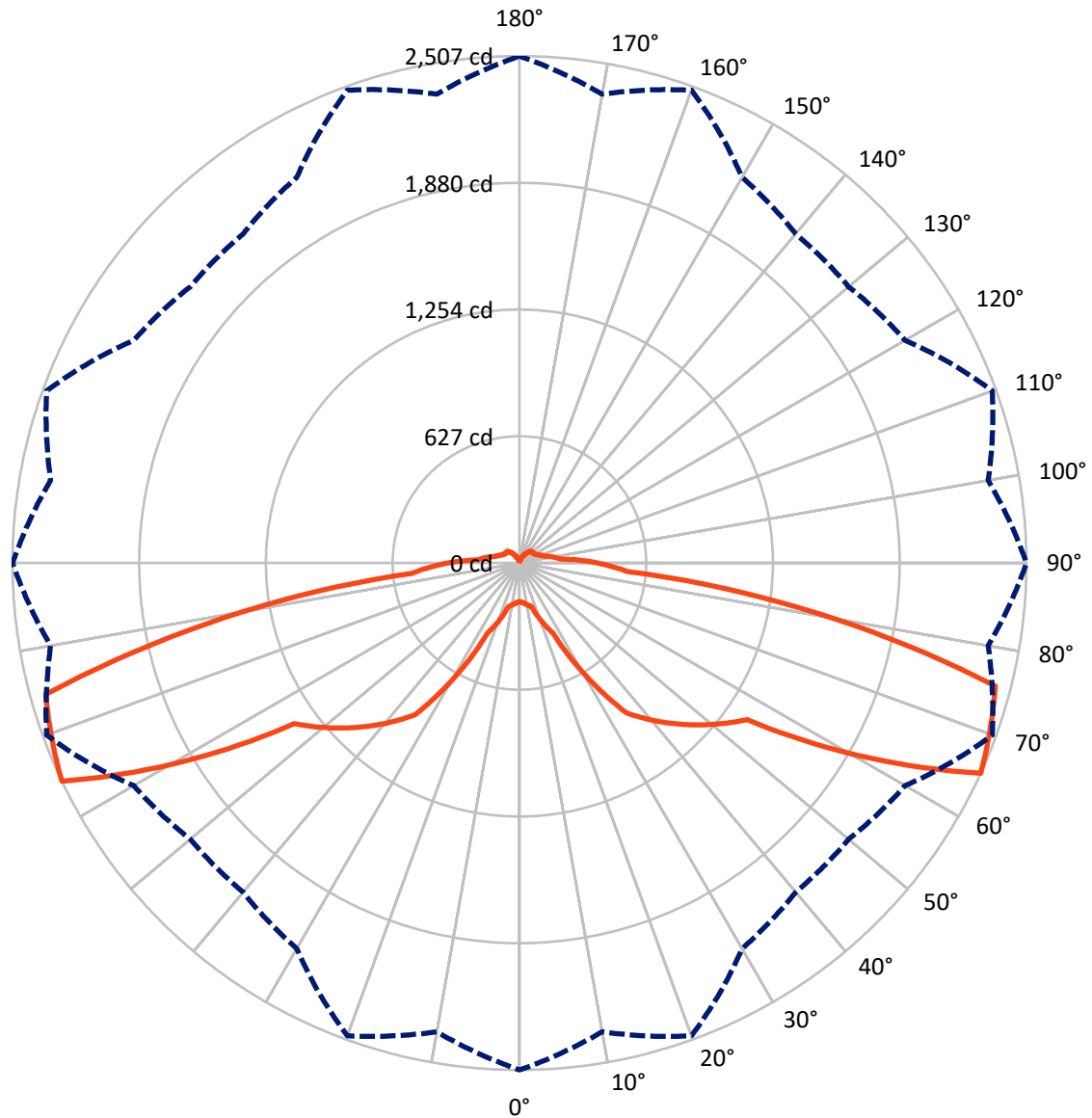
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: E366-40 _150MP
CATALOG NUMBER: UTR15PXX55

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: E366-40 _150MP
 CATALOG NUMBER: UTR15PXX55

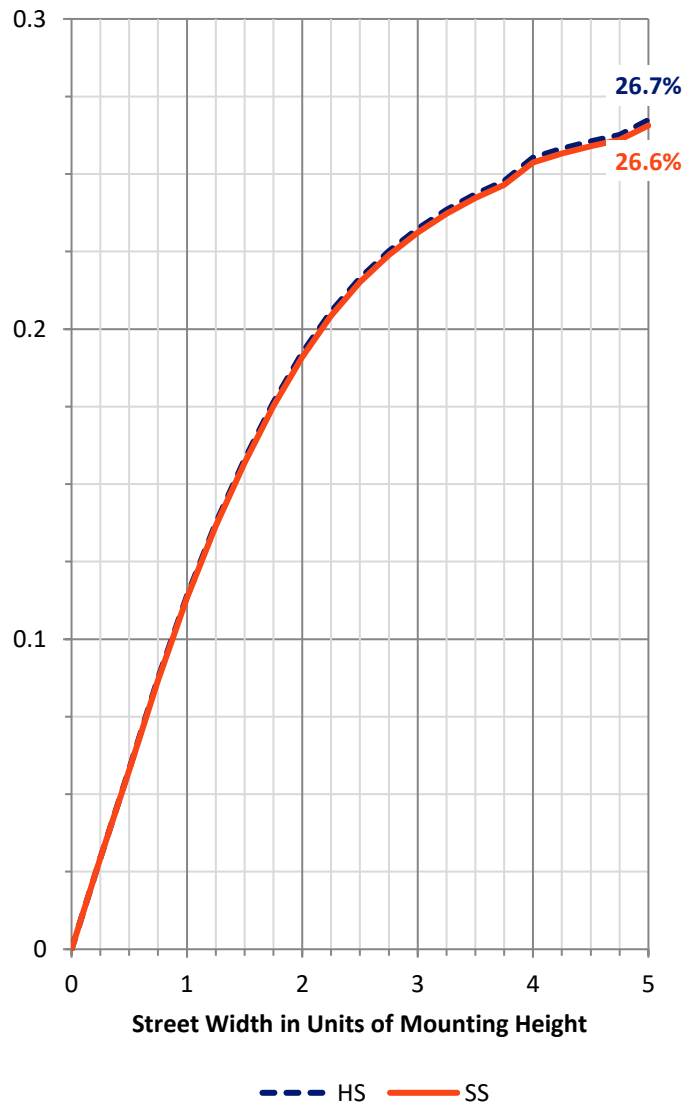
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3868.7	335.5	4204.1
	% Lamp	27.6	2.4	30.0
Street Side	Lumens	3868.7	335.5	4204.1
	% Lamp	27.6	2.4	30.0
Total	Lumens	7737.3	670.9	8408.3
	% Lamp	55.3	4.8	60.1

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	18.9	0.2	0.1
10°-20°	68.8	0.8	0.5
20°-30°	197.7	2.4	1.4
30°-40°	464.0	5.5	3.3
40°-50°	796.9	9.5	5.7
50°-60°	1325.9	15.8	9.5
60°-70°	2005.2	23.8	14.3
70°-80°	1883.5	22.4	13.5
80°-90°	915.9	10.9	6.5
90°-100°	292.2	3.5	2.1
100°-110°	155.0	1.8	1.1
110°-120°	97.9	1.2	0.7
120°-130°	69.6	0.8	0.5
130°-140°	47.4	0.6	0.3
140°-150°	26.1	0.3	0.2
150°-160°	12.8	0.2	0.1
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	7737.3	92.0	55.3
0°-180°	8408.3	100.0	60.1

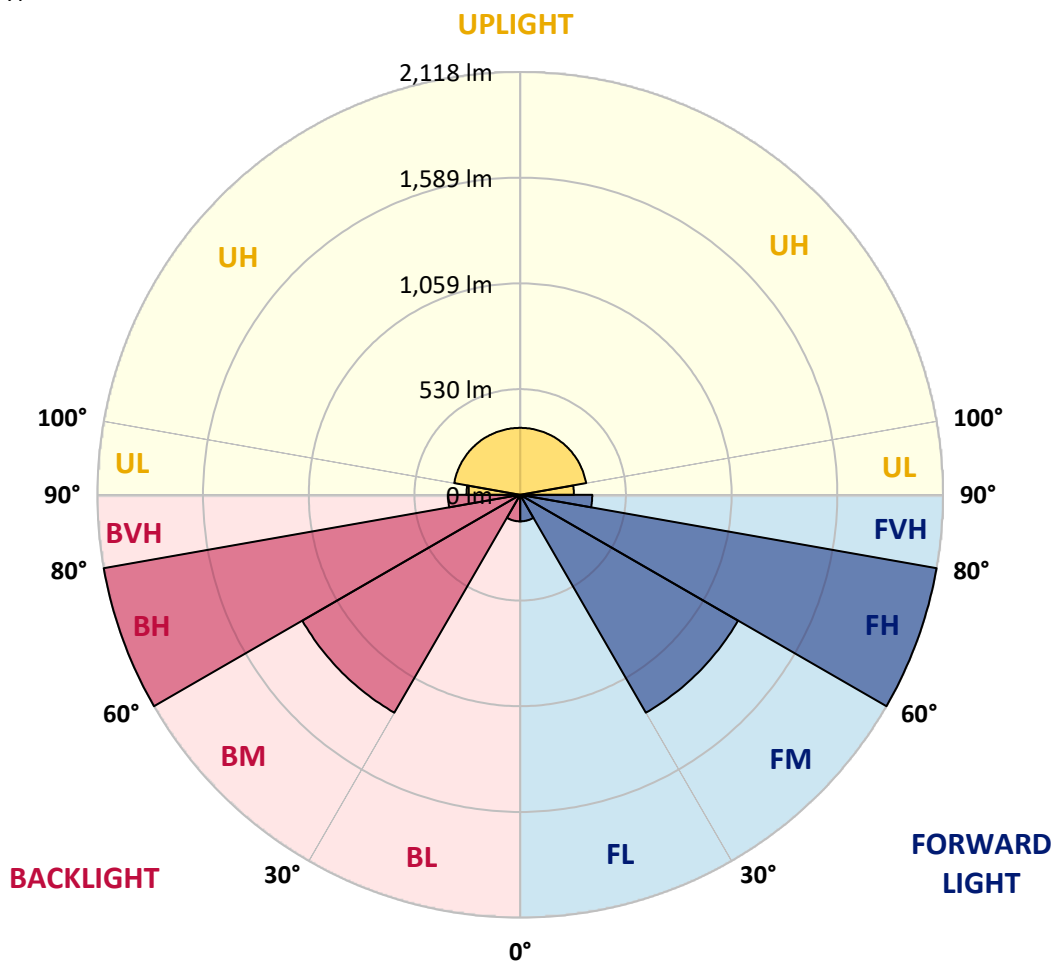


REPORT NUMBER: E366-40 _150MP
 CATALOG NUMBER: UTR15PXX55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.0	0.9			
FM (30°-60°)	1260.1	9.0			
FH (60°-80°)	2118.1	15.1			G2/5000
FVH (80°-90°)	361.2	2.6			G3/500
BL (0°-30°)	133.0	0.9	B1/500		
BM (30°-60°)	1260.1	9.0	B2/2500		
BH (60°-80°)	2118.1	15.1	B3/2500		G2/5000
BVH (80°-90°)	361.2	2.6			G3/500
UL (90°-100°)	269.1	1.9		U3/500	
UH (100°-180°)	335.5	2.4		U3/500	
Trapped Light	5591.7	39.9			

BUG Rating: B3-U3-G3
 Type V Short





REPORT NUMBER: E366-40 _150MP
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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	191	191	191	191	191	191	191	191	191	191	191
5°	197	197	197	197	191	191	197	197	197	197	197
15°	223	223	223	185	210	210	185	223	223	223	223
25°	382	395	375	331	293	293	331	375	395	382	395
35°	910	897	776	732	706	706	732	776	897	910	897
45°	1139	1082	986	1018	923	923	1018	986	1082	1139	1082
55°	1368	1368	1317	1254	1177	1177	1254	1317	1368	1368	1368
65°	2507	2354	2488	2202	2125	2125	2202	2488	2354	2507	2354
75°	2431	2272	2240	2030	1960	1960	2030	2240	2272	2431	2272
85°	535	509	509	471	433	433	471	509	509	535	509
95°	204	204	223	242	242	242	242	223	204	204	204
105°	127	127	134	140	140	140	140	134	127	127	127
115°	95	89	89	95	95	95	95	89	89	95	89
125°	83	76	70	76	76	76	76	70	76	83	76
135°	83	76	70	64	51	51	64	70	76	83	76
145°	57	32	32	32	32	32	32	32	32	57	32
155°	32	32	32	19	32	32	19	32	32	32	32
180°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: E366-40 _150MP
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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	191	191	191	191	191	191	191	191
5°	197	197	191	191	197	197	197	197
15°	223	185	210	210	185	223	223	223
25°	375	331	293	293	331	375	395	382
35°	776	732	706	706	732	776	897	910
45°	986	1018	923	923	1018	986	1082	1139
55°	1317	1254	1177	1177	1254	1317	1368	1368
65°	2488	2202	2125	2125	2202	2488	2354	2507
75°	2240	2030	1960	1960	2030	2240	2272	2431
85°	509	471	433	433	471	509	509	535
95°	223	242	242	242	242	223	204	204
105°	134	140	140	140	140	134	127	127
115°	89	95	95	95	95	89	89	95
125°	70	76	76	76	76	70	76	83
135°	70	64	51	51	64	70	76	83
145°	32	32	32	32	32	32	32	57
155°	32	19	32	32	19	32	32	32
180°	0	0	0	0	0	0	0	0

(END OF REPORT)