

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: STREETWORKS

Report Number: P145994

Luminaire Tested: **RDG-F02-LED-E-U-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145994
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: RDG-F02-LED-E-U-SLL-7030
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4061.7 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 55
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: 28.75 FT

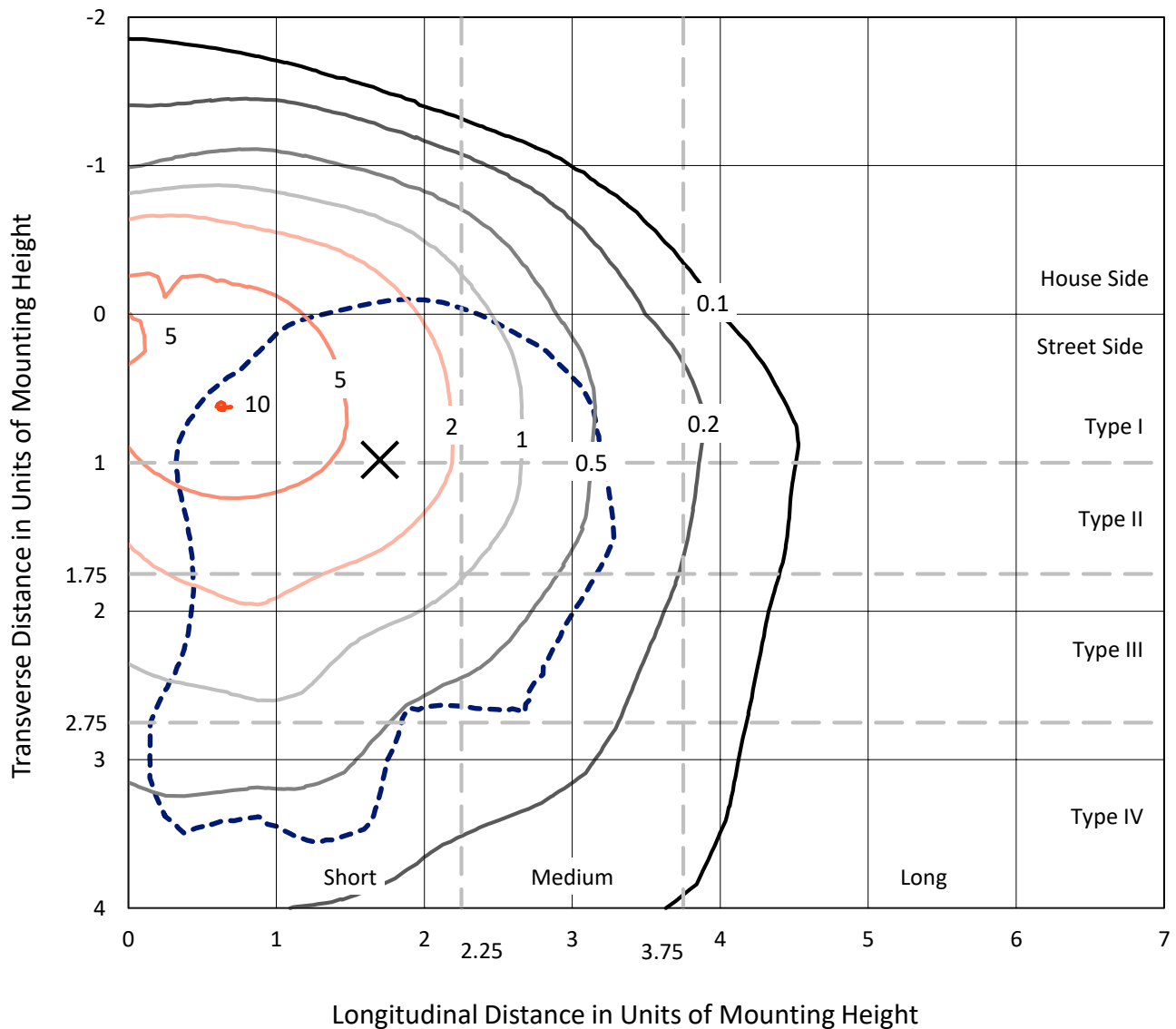


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

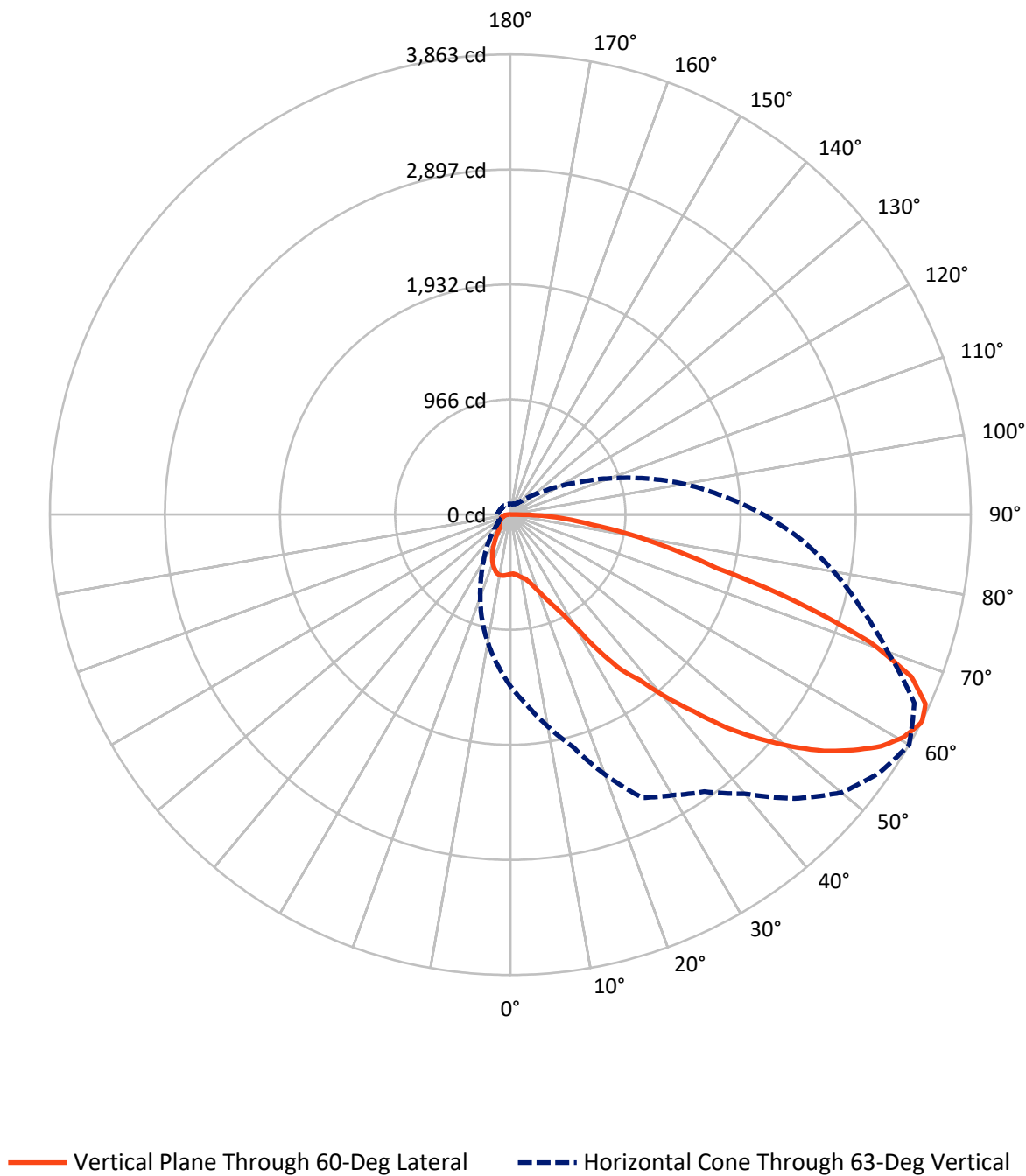


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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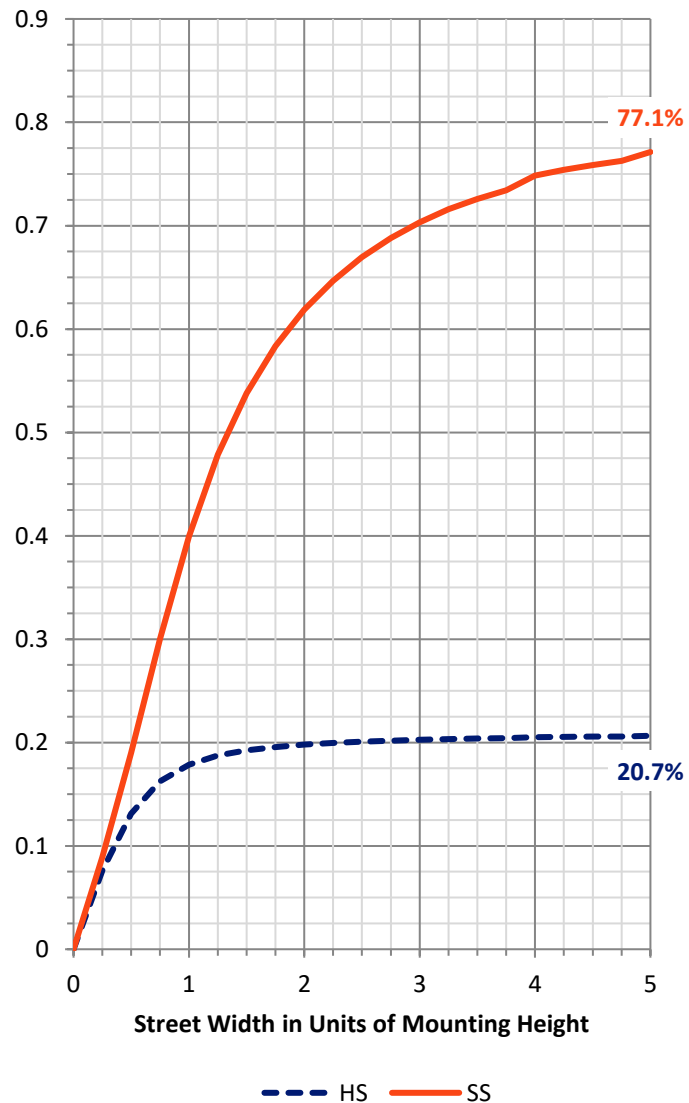
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.2	0.0	850.2
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	3211.4	0.0	3211.4
	% Fixture	79.1	0.0	79.1
Total	Lumens	4061.7	0.0	4061.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.2
10°-20°	152.9	3.8
20°-30°	270.4	6.7
30°-40°	426.9	10.5
40°-50°	627.7	15.5
50°-60°	826.9	20.4
60°-70°	921.7	22.7
70°-80°	605.6	14.9
80°-90°	180.6	4.4
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°	4061.7	100.0
0°-180°	4061.7	100.0

Coefficient of Utilization



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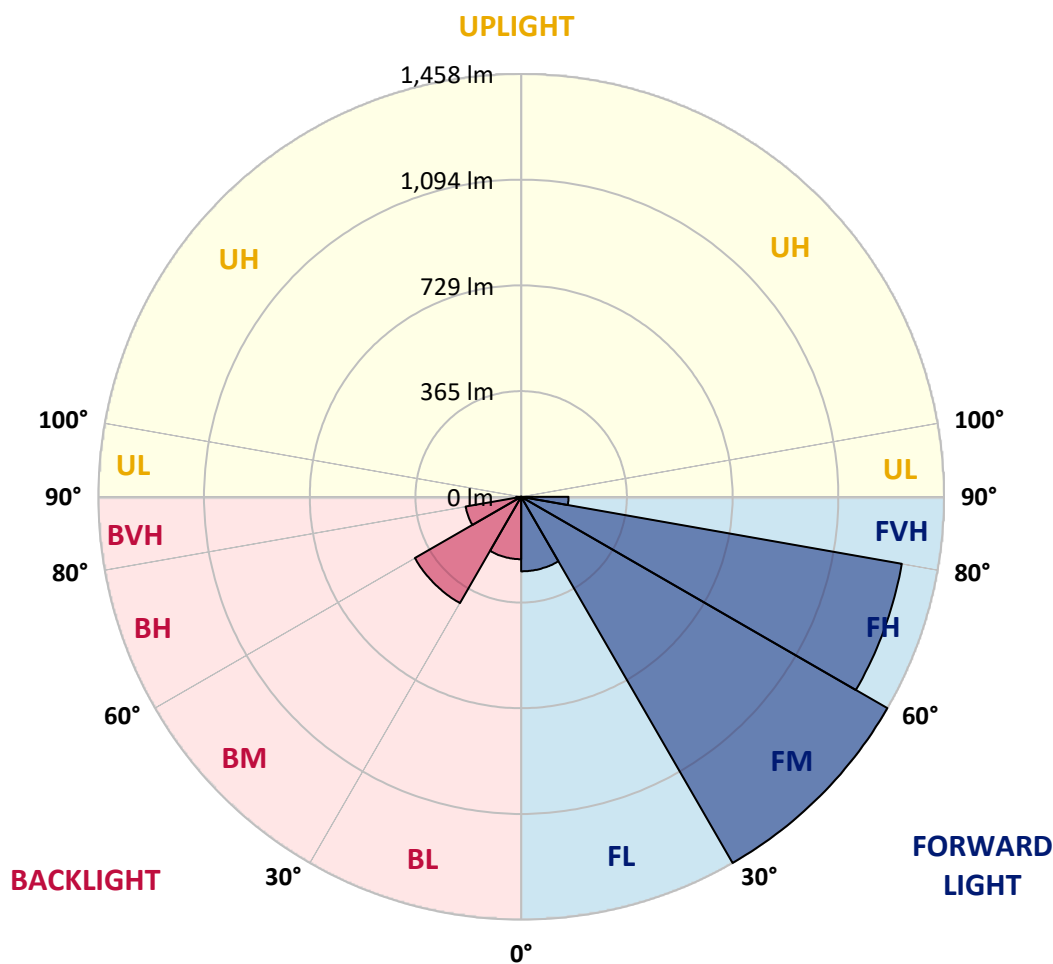
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.1	6.3			
FM	(30°-60°)	1458.2	35.9			
FH	(60°-80°)	1332.9	32.8			G1/1800
FVH	(80°-90°)	163.2	4.0			G2/225
BL	(0°-30°)	215.2	5.3	B1/500		
BM	(30°-60°)	423.3	10.4	B1/1000		
BH	(60°-80°)	194.3	4.8	B1/500		G1/500
BVH	(80°-90°)	17.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
498.8	498.8	498.8	498.8	498.8	498.8	498.8
498.8	498.8	499.1	498.2	499.1	499.1	498.2
496.7	496.1	496.1	495.8	496.4	496.1	495.8
494.9	494.9	493.7	492.8	492.5	493.7	493.1
494.3	493.7	493.4	492.8	493.1	494.0	494.6
505.2	503.1	503.7	503.4	503.7	504.6	506.4
525.1	525.1	526.6	523.3	524.8	526.3	528.7
547.4	552.8	555.5	555.2	555.8	557.1	559.8
566.4	583.6	595.7	598.7	606.8	608.6	604.4
574.8	605.6	632.8	650.8	671.1	679.2	681.6
557.7	602.0	646.6	688.2	728.1	751.0	771.2
539.9	592.3	651.8	713.9	778.7	837.2	881.0
515.1	584.5	664.7	748.6	834.5	916.0	988.9
488.0	571.8	665.9	767.9	874.0	975.4	1063.7
449.1	542.3	646.6	764.9	887.9	1014.9	1125.3
404.4	495.2	612.2	747.4	887.0	1035.1	1167.5
356.8	449.7	572.7	717.5	875.2	1041.4	1197.0
320.9	412.9	533.5	689.2	857.7	1037.2	1211.2
302.5	381.2	501.6	661.4	838.1	1026.9	1217.2
306.1	372.8	482.6	638.5	820.6	1015.8	1215.7
326.3	385.4	482.3	630.0	809.5	1005.5	1211.5
356.8	414.1	499.7	640.0	815.5	1004.6	1211.2
391.2	454.2	542.0	666.8	841.2	1020.9	1218.5
424.3	503.1	596.3	726.8	889.7	1061.6	1247.7
444.0	547.7	665.9	811.6	964.5	1133.1	1311.9
448.5	574.5	727.8	894.8	1067.1	1236.5	1412.1
448.2	577.3	738.3	912.0	1087.9	1260.4	1437.7
441.2	582.7	766.7	968.7	1171.4	1362.6	1544.8
419.5	573.0	782.3	1021.5	1254.3	1475.4	1705.8
369.8	529.0	763.9	1038.7	1303.8	1550.2	1813.2
289.5	436.4	659.6	949.4	1236.9	1483.3	1815.9
203.6	308.5	507.6	779.6	1011.0	1253.4	1622.0
141.8	200.0	329.6	524.5	729.6	914.4	1205.8
103.7	133.0	197.5	313.7	442.7	571.5	748.3
79.9	95.9	126.4	189.4	250.0	320.0	451.2
56.1	63.3	78.1	117.0	167.7	228.9	330.6
24.4	28.7	37.7	69.1	113.4	109.2	104.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)