

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: P970504

Luminaire Tested: **NAV-SB6B-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB6B-830-U-5WQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31811.9 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 220.4
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: 24 FT



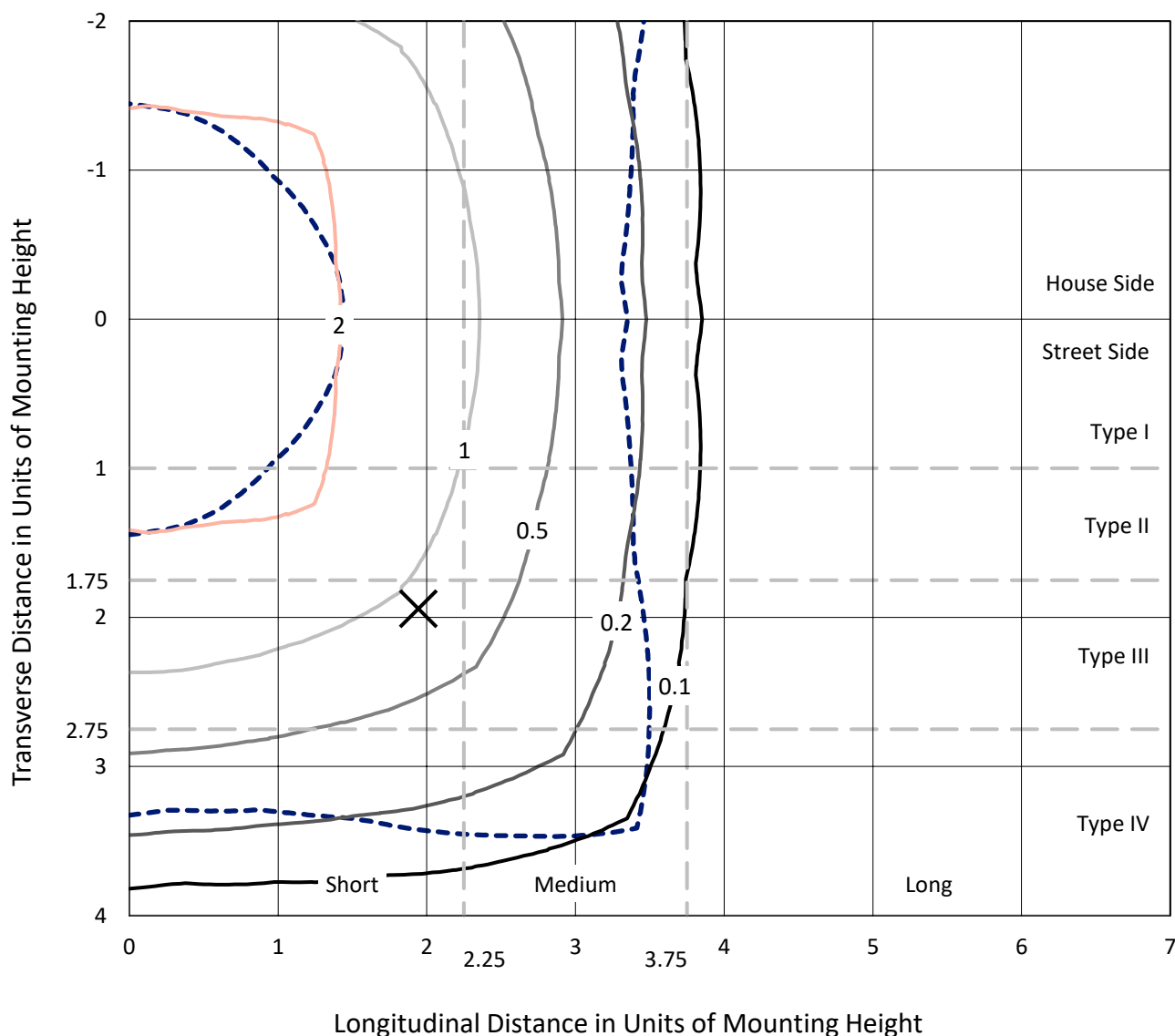
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Iso-Footcandle Lines of Horizontal Illumination

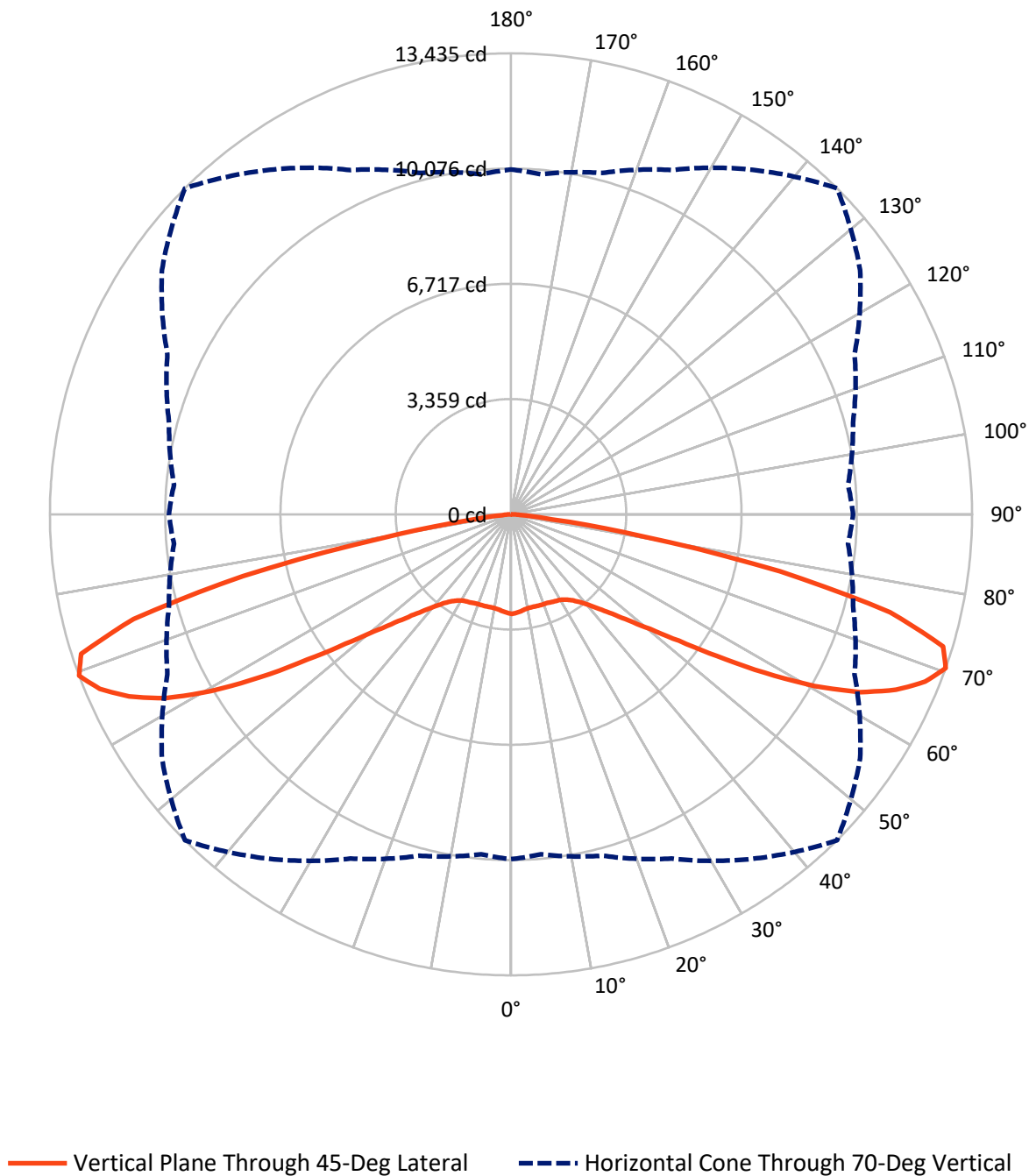
× Max cd

--- 1/2 Max cd



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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15905.9	0.0	15905.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15905.9	0.0	15905.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	31811.9	0.0	31811.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

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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°)	1190.8	3.7			
FM	(30°-60°)	5782.3	18.2			
FH	(60°-80°)	8751.0	27.5			G4/12000
FVH	(80°-90°)	181.8	0.6			G2/225
BL	(0°-30°)	1190.8	3.7	B3/2500		

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2901.9	2901.9	2901.9	2901.9	2901.9	2901.9	2901.9	2901.9	2901.9	2901.9	2901.9
2.5°	2883.7	2891.9	2888.7	2882.1	2882.1	2877.1	2882.1	2885.4	2890.3	2893.6	2891.9
5°	2845.7	2852.3	2850.6	2845.7	2847.3	2842.3	2845.7	2850.6	2853.9	2855.5	2855.5