

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: 763053

Luminaire Tested: **HPXL-T4-1000**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 763053
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: HPXL-T4-1000
Description: SPORTS FLOODLIGHT - 4H x 4V
Light Source: 1000 WATT HPS CLEAR E-25
Ballast/Driver: -

Summary

Lumens per Lamp: 140000 (1 lamp)
Luminaire Lumens: 92538.8 lumens
Efficiency: 66.1%
Efficacy: 92.5 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

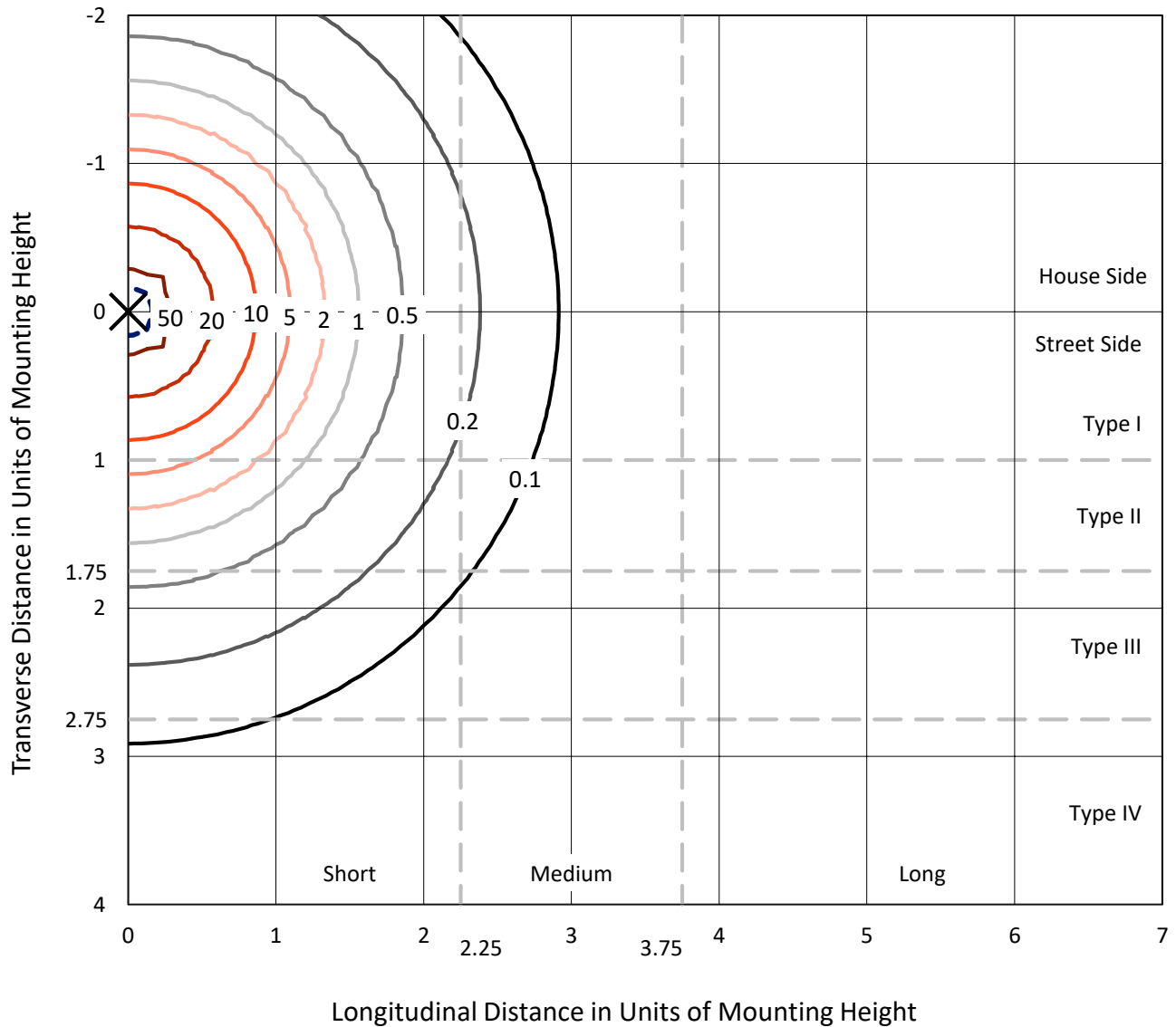
Input Watts (W): 1000
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: 763053
 CATALOG NUMBER: HPXL-T4-1000

Iso-Footcandle Lines of Horizontal Illumination

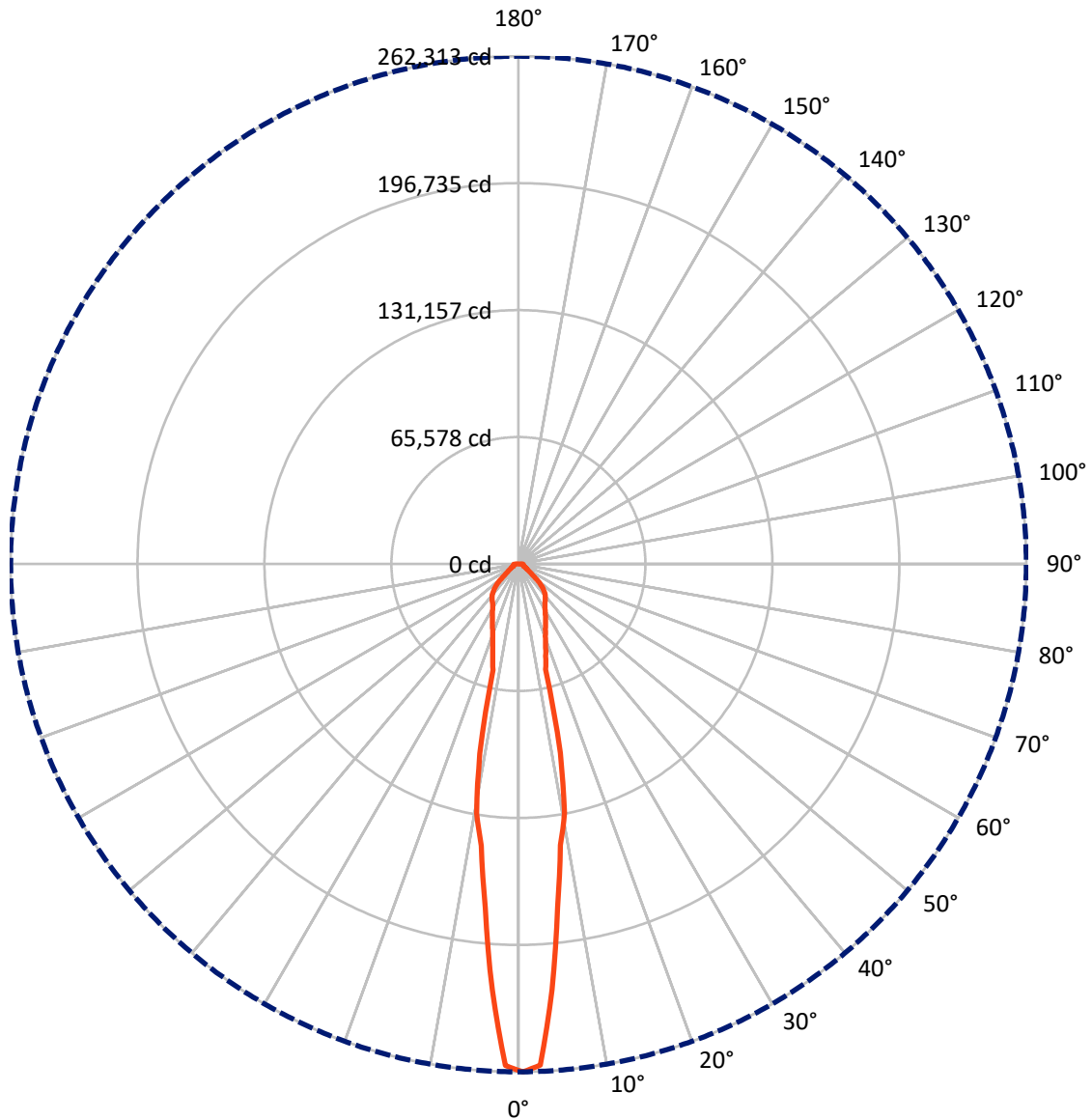
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 291.5 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: 763053
CATALOG NUMBER: HPXL-T4-1000

Luminous Intensity Polar Plot



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

REPORT NUMBER: 763053
 CATALOG NUMBER: HPXL-T4-1000

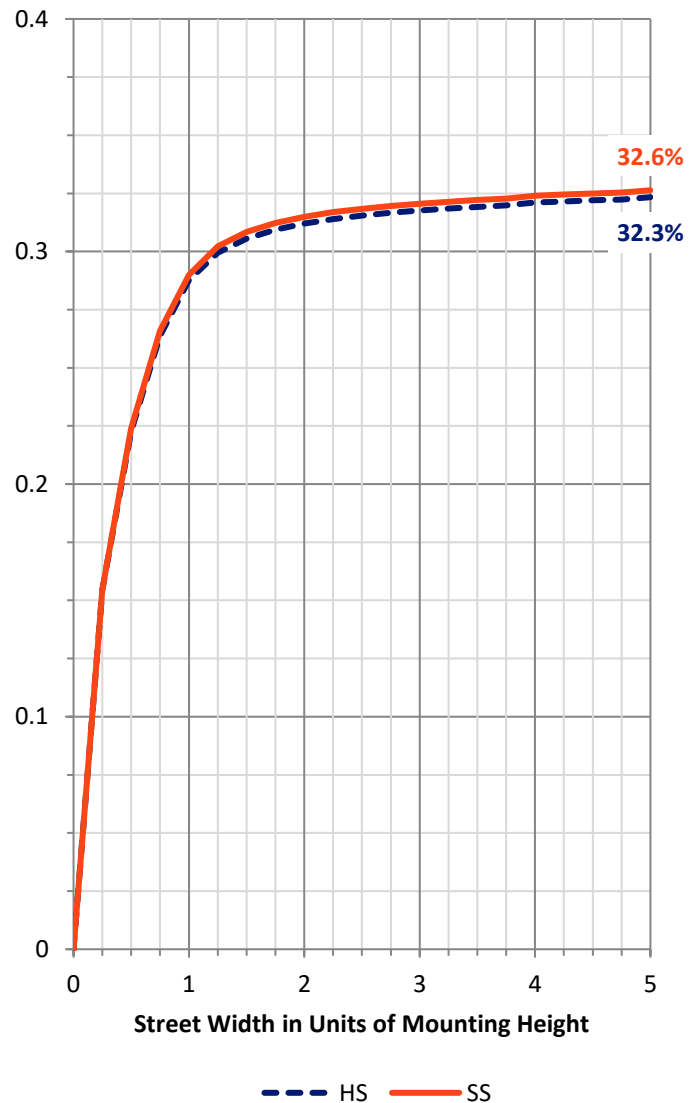
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	46269.4	0.0	46269.4
	% Lamp	33.0	0.0	33.0
Street Side	Lumens	46269.4	0.0	46269.4
	% Lamp	33.0	0.0	33.0
Total	Lumens	92538.8	0.0	92538.8
	% Lamp	66.1	0.0	66.1

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	16669.9	18.0	11.9
10°-20°	17683.3	19.1	12.6
20°-30°	14993.4	16.2	10.7
30°-40°	14935.4	16.1	10.7
40°-50°	13166.5	14.2	9.4
50°-60°	6362.2	6.9	4.5
60°-70°	3556.1	3.8	2.5
70°-80°	2718.9	2.9	1.9
80°-90°	2453.1	2.7	1.8
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	92538.8	100.0	66.1
0°-180°	92538.8	100.0	66.1

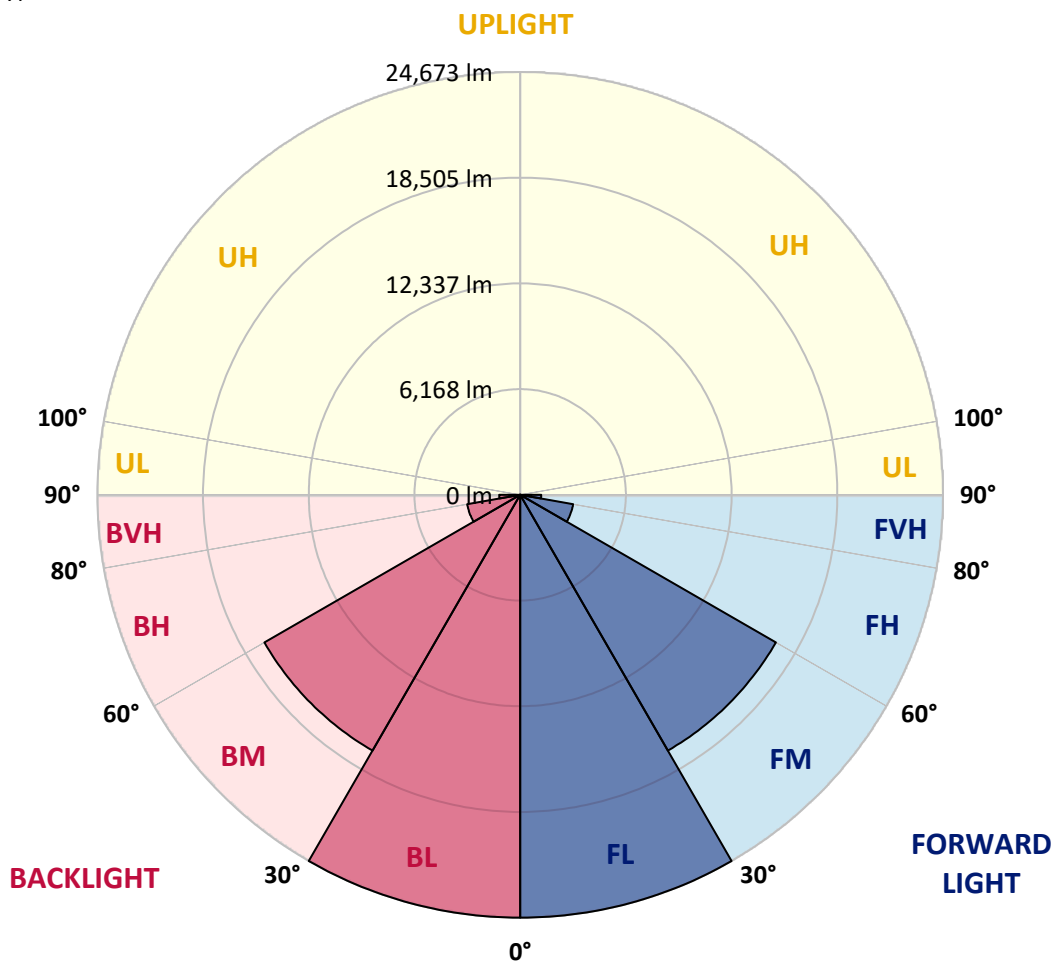


REPORT NUMBER: 763053
 CATALOG NUMBER: HPXL-T4-1000

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	24673.3	17.6			
FM	(30°-60°)	17232.0	12.3			
FH	(60°-80°)	3137.5	2.2			G2/5000
FVH	(80°-90°)	1226.5	0.9			G5
BL	(0°-30°)	24673.3	17.6	B5		
BM	(30°-60°)	17232.0	12.3	B5		
BH	(60°-80°)	3137.5	2.2	B4/5000		G2/5000
BVH	(80°-90°)	1226.5	0.9			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		47461.2	33.9			

BUG Rating: B5-U0-G5
 Type V Short



REPORT NUMBER: 763053
CATALOG NUMBER: HPXL-T4-1000

CANDELA DISTRIBUTION (FULL):

0°	
0°	262313
2°	259120
4°	220578
6°	178380
8°	146804
10°	130705
12°	99920
14°	56230
16°	49583
18°	44185
20°	39753
22°	36385
24°	33622
26°	31252
28°	29148
30°	27066
32°	25344
34°	24175
36°	23282
38°	22379
40°	21380
42°	20084
44°	18458
46°	16609
48°	14154
50°	11402
52°	8905
54°	7205
56°	6195
58°	5388
60°	4739
62°	4123
64°	3847
66°	3390
68°	2922
70°	2657
72°	2603
74°	2572
76°	2561
78°	2529
80°	2518
82°	2508
84°	2508
86°	2476
88°	2497



REPORT NUMBER: 763053
CATALOG NUMBER: HPXL-T4-1000

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)