

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: P30163

Luminaire Tested: **WKP2ALEDXXFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P30163
Test Lab: COOPER LIGHTING INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP2ALEDXXFC
Description: WAL-PAK LED WITH FULL CUTOFF DOOR AND SOLITE GLASS LENS
Light Source: [(2) CHIP LED (5000K, 67 CRI)]
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1091.1 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 28.8
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



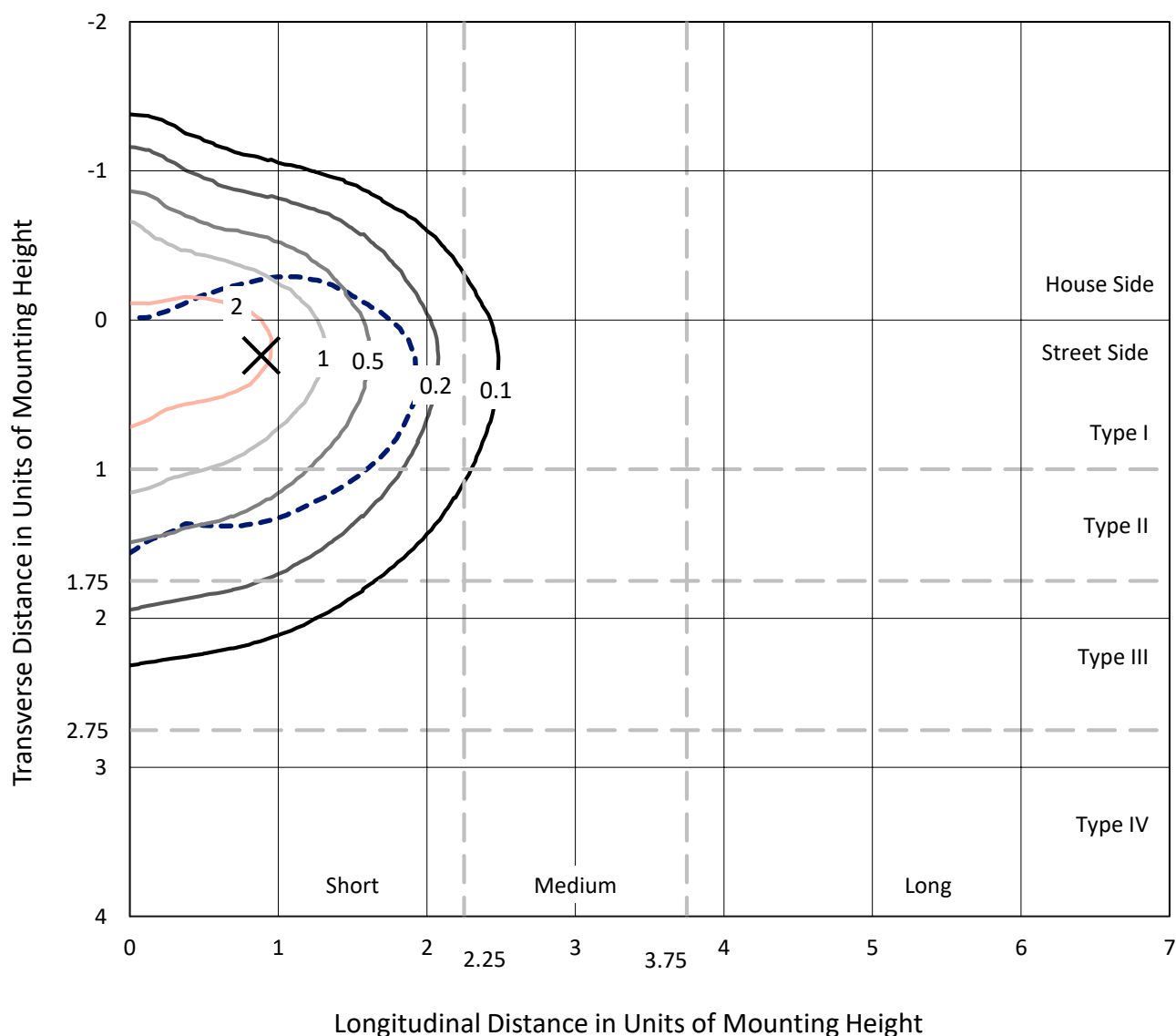
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

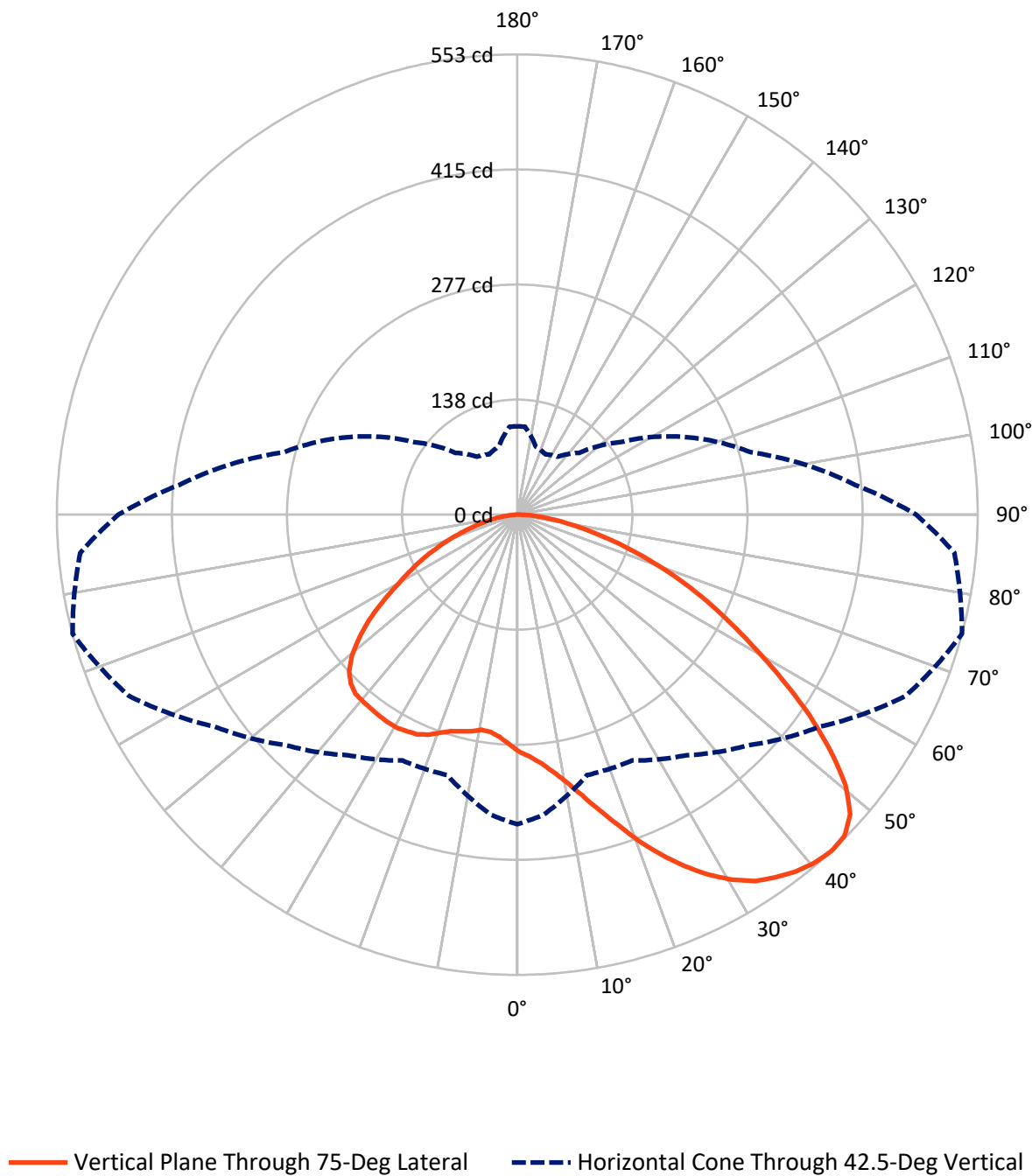


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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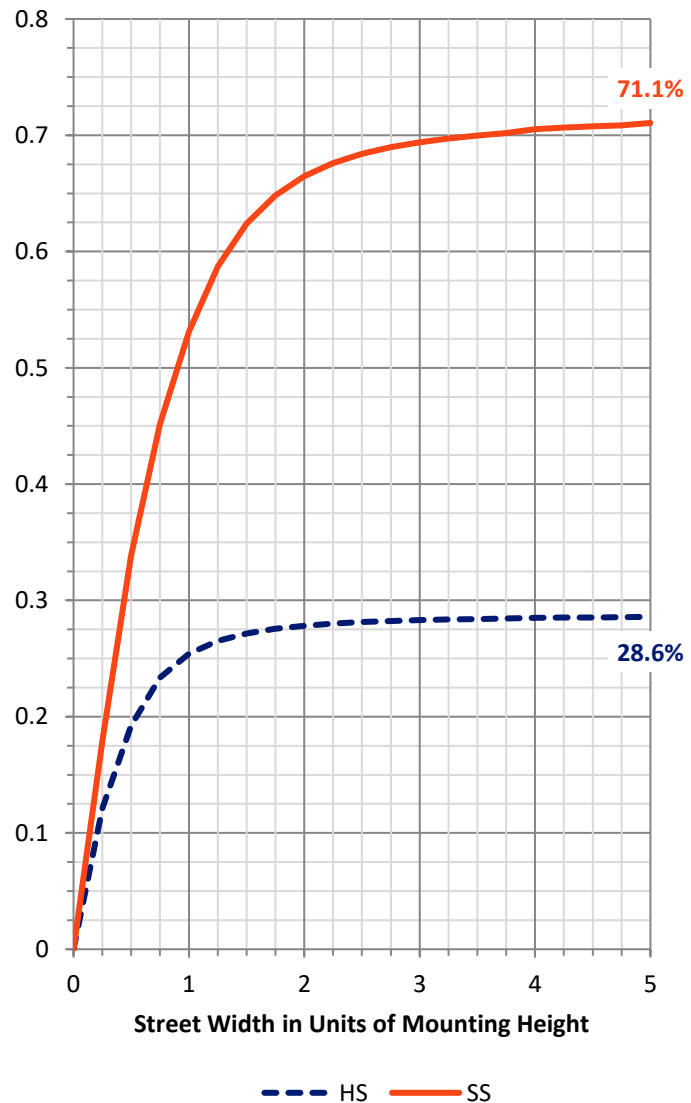
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	314.1	0.0	314.1
	% Fixture	28.8	0.0	28.8
Street Side	Lumens	777.1	0.0	777.1
	% Fixture	71.2	0.0	71.2
Total	Lumens	1091.1	0.0	1091.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	2.5
10°-20°	83.2	7.6
20°-30°	145.6	13.3
30°-40°	195.2	17.9
40°-50°	223.4	20.5
50°-60°	201.2	18.4
60°-70°	135.7	12.4
70°-80°	65.1	6.0
80°-90°	14.9	1.4
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°	1091.1	100.0
0°-180°	1091.1	100.0

Coefficient of Utilization



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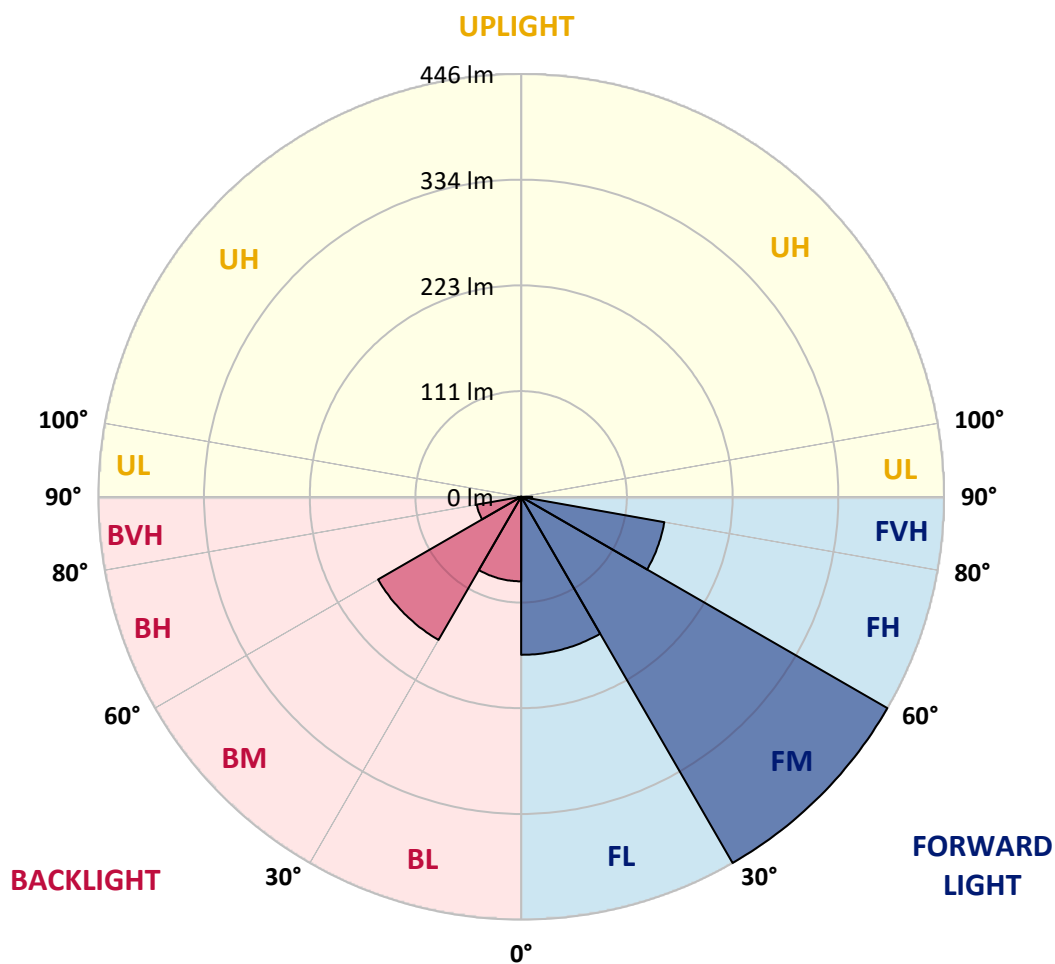
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.5	15.3			
FM	(30°-60°)	445.7	40.8			
FH	(60°-80°)	153.3	14.0			G0/660
FVH	(80°-90°)	11.6	1.1			G1/100
BL	(0°-30°)	89.1	8.2	B0/110		
BM	(30°-60°)	174.2	16.0	B0/220		
BH	(60°-80°)	47.5	4.4	B0/110		G0/110
BVH	(80°-90°)	3.3	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	285	285	285	285	285	285	285	285	285	285	285
2.5°	312	311	310	308	307	304	301	296	291	286	283
5°	335	336	333	330	328	323	318	309	300	290	284
7.5°	350	352	352	349	348	344	337	326	312	296	288
10°	360	363	367	368	369	365	356	344	327	307	296
12.5°	365	369	377	382	387	384	376	365	346	323	310
15°	368	370	384	394	403	402	398	389	368	340	323
17.5°	368	370	384	398	411	416	418	415	392	360	338
20°	370	368	381	395	411	426	435	438	419	383	357
22.5°	370	368	375	385	407	431	450	459	444	407	379
25°	370	368	365	371	398	431	460	476	468	430	398
27.5°	370	368	359	356	382	428	468	494	490	450	414
30°	371	369	353	344	365	419	472	510	509	470	430
32.5°	372	370	346	335	354	404	471	518	525	488	443
35°	373	369	340	327	349	394	466	522	535	502	456
37.5°	374	368	333	323	348	388	457	524	544	514	469
40°	374	366	328	322	349	387	449	521	550	523	476
42.5°	372	362	324	326	353	392	444	515	553	527	479
45°	370	360	324	333	362	397	441	506	551	525	476
47.5°	366	356	325	338	366	396	432	492	538	513	464
50°	354	343	316	329	354	379	412	468	511	488	440
52.5°	331	318	295	310	334	356	385	436	471	454	406
55°	303	287	272	290	312	332	356	397	426	409	365
57.5°	273	256	248	268	287	305	326	357	377	357	320
60°	242	227	223	244	260	275	295	318	330	312	279
62.5°	210	198	198	216	230	245	263	281	288	273	245
65°	180	170	172	186	198	212	230	244	250	238	213
67.5°	149	143	145	156	165	177	194	206	212	202	182
70°	121	117	119	127	134	144	159	169	175	168	151
72.5°	96	93	95	101	108	116	126	135	140	133	120
75°	74	72	75	80	85	92	99	105	108	102	91
77.5°	57	56	58	62	66	71	76	79	81	75	67
80°	41	40	42	45	49	53	56	58	58	53	48
82.5°	28	27	28	31	33	36	38	39	38	35	31
85°	15	15	15	17	19	21	22	23	22	20	17
87.5°	4	4	4	5	6	8	9	9	9	8	6
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	285	285	285	285	285	285	285	285	285	285
2.5°	281	276	271	266	263	261	259	258	258	257
5°	279	268	256	246	238	231	227	224	223	222
7.5°	279	263	245	229	216	204	196	193	191	190
10°	284	262	238	217	199	184	174	168	167	167
12.5°	295	266	234	208	186	170	160	155	155	155
15°	306	269	233	202	180	165	155	150	151	152
17.5°	318	272	231	200	177	162	153	150	153	153
20°	332	278	232	200	177	161	152	150	153	154
22.5°	348	285	236	201	176	160	151	151	156	157
25°	362	290	237	200	174	161	154	156	166	168
27.5°	372	292	236	197	174	163	158	163	181	183
30°	382	294	233	195	175	159	152	159	186	190
32.5°	391	294	230	195	168	146	139	145	175	179
35°	400	293	227	192	154	128	122	128	157	158
37.5°	407	292	226	181	137	110	105	112	137	138
40°	408	291	224	167	120	96	92	98	120	121
42.5°	408	290	221	152	105	85	80	85	106	106
45°	403	285	211	137	94	74	69	74	92	92
47.5°	390	276	195	124	83	64	59	63	79	80
50°	368	261	179	111	73	56	50	54	66	67
52.5°	339	241	162	99	65	49	43	45	55	55
55°	305	219	144	87	58	43	38	38	45	46
57.5°	268	193	126	77	51	38	33	33	37	38
60°	235	168	108	68	45	33	29	28	31	32
62.5°	206	147	92	60	40	29	25	24	26	26
65°	179	128	79	52	35	26	22	21	22	22
67.5°	152	108	68	45	31	23	20	18	18	18
70°	126	89	58	38	27	20	17	16	16	15
72.5°	100	71	49	32	23	17	14	13	13	13
75°	77	55	39	26	18	14	11	10	10	10
77.5°	58	41	31	20	14	11	9	8	8	7
80°	41	30	21	14	10	8	6	6	5	5
82.5°	27	20	13	9	7	5	4	4	3	3
85°	15	10	6	4	3	2	1	1	1	1
87.5°	5	3	2	1	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)