

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: P30126

Luminaire Tested: **WKP4ALEDXXFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P30126
Test Lab: COOPER LIGHTING INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP4ALEDXXFC
Description: WAL-PAK LED FULL CUTOFF WITH SPECULAR REFLECTOR & SOLITE GLASS LENS
Light Source: (4)CHIP LED (5000K, 67 CRI)
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1313.6 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.17' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 40.1
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



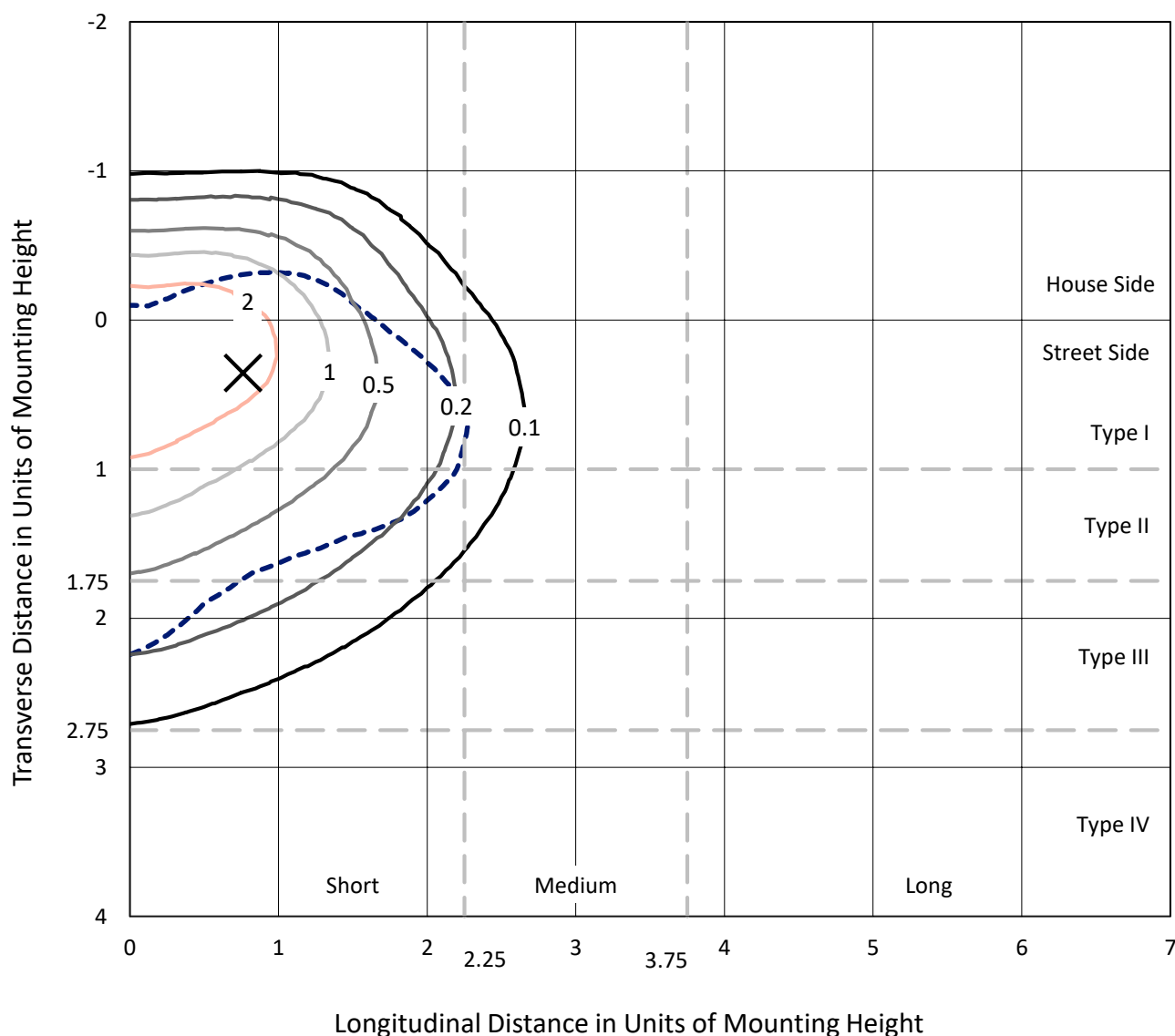
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

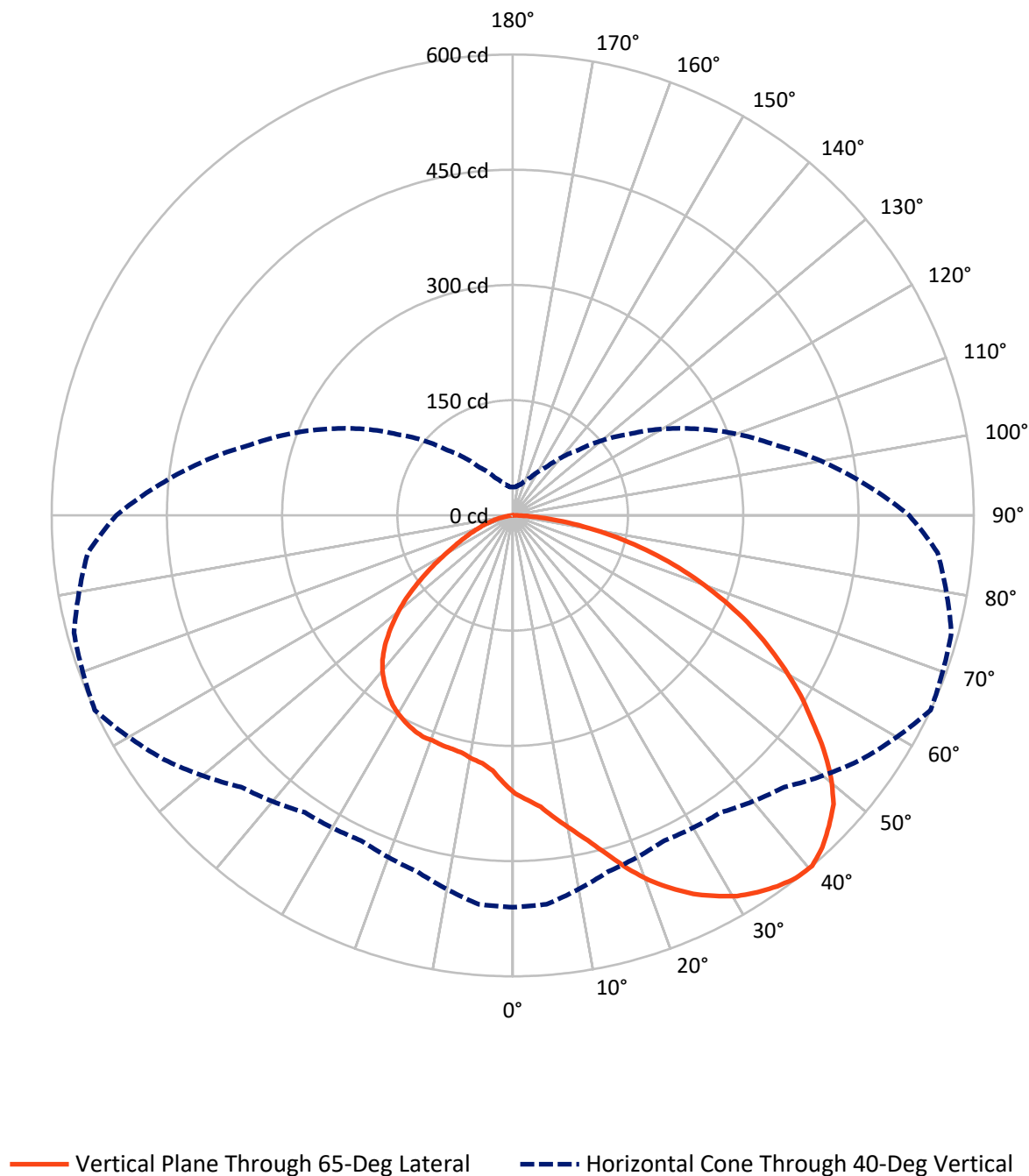


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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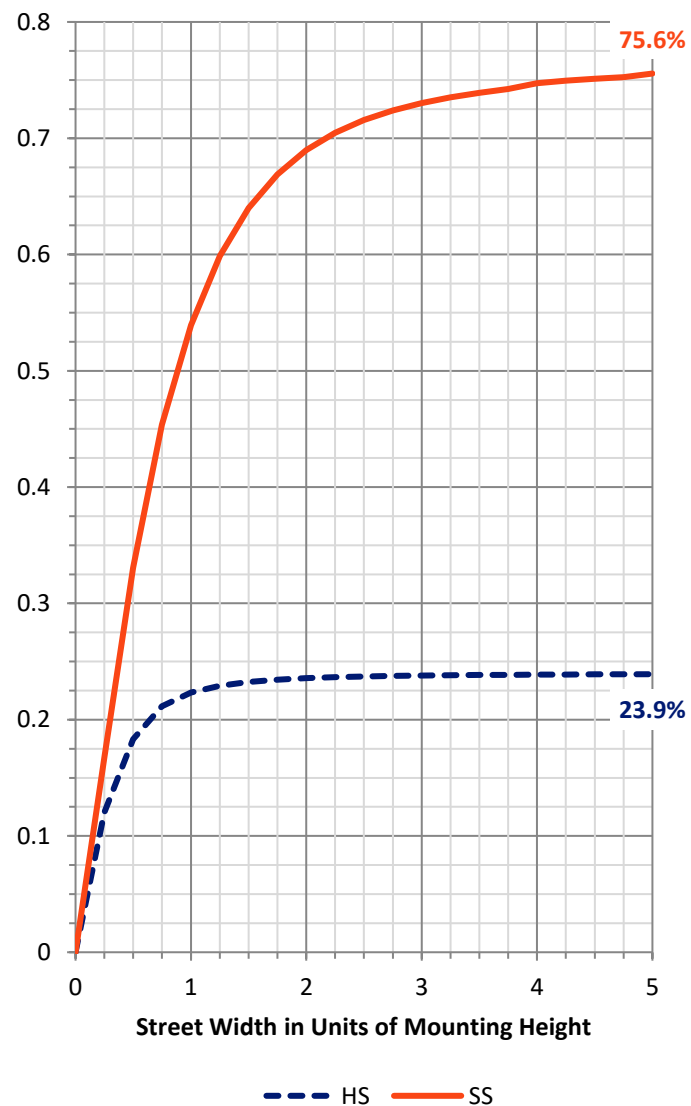
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	316.6	0.0	316.6
	% Fixture	24.1	0.0	24.1
Street Side	Lumens	997.0	0.0	997.0
	% Fixture	75.9	0.0	75.9
Total	Lumens	1313.6	0.0	1313.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	2.6
10°-20°	104.2	7.9
20°-30°	177.5	13.5
30°-40°	231.2	17.6
40°-50°	252.3	19.2
50°-60°	229.4	17.5
60°-70°	170.0	12.9
70°-80°	93.8	7.1
80°-90°	21.1	1.6
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°	1313.6	100.0
0°-180°	1313.6	100.0

Coefficient of Utilization



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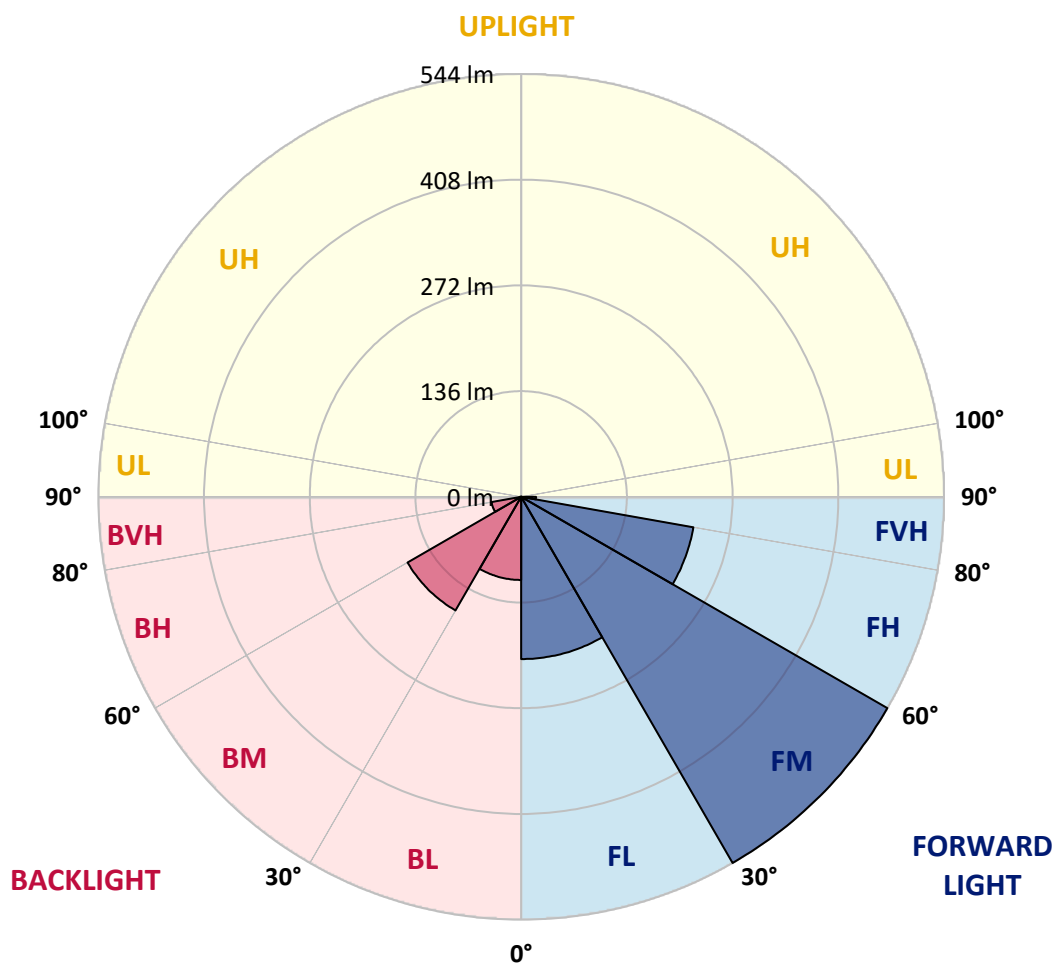
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.8	15.9			
FM	(30°-60°)	544.1	41.4			
FH	(60°-80°)	225.0	17.1			G0/660
FVH	(80°-90°)	19.1	1.5			G1/100
BL	(0°-30°)	107.0	8.1	B0/110		
BM	(30°-60°)	168.8	12.9	B0/220		
BH	(60°-80°)	38.8	3.0	B0/110		G0/110
BVH	(80°-90°)	2.0	0.2			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	362	362	362	362	362	362	362	362	362	362	362
2.5°	387	386	385	382	381	378	375	371	367	362	359
5°	413	412	410	406	400	394	389	381	372	364	358
7.5°	433	432	429	424	418	413	407	398	385	371	363
10°	451	449	445	443	440	434	426	415	400	384	373
12.5°	465	465	462	465	462	456	446	434	420	400	388
15°	474	475	479	486	486	479	467	457	443	420	405
17.5°	481	484	491	502	508	503	494	483	468	443	425
20°	492	494	505	518	525	525	517	507	493	464	445
22.5°	503	505	516	532	539	542	538	527	514	485	465
25°	516	515	519	534	549	557	556	546	532	504	479
27.5°	522	520	519	526	548	569	572	561	546	518	492
30°	528	524	518	517	537	568	584	575	559	531	502
32.5°	528	521	511	508	523	554	588	585	570	541	509
35°	524	520	502	495	507	537	582	593	578	548	514
37.5°	520	516	493	483	490	517	569	599	588	554	518
40°	510	508	480	467	472	500	554	600	591	555	516
42.5°	502	497	466	451	455	484	533	591	591	552	512
45°	493	485	452	433	438	467	516	577	588	544	501
47.5°	478	469	435	414	419	448	495	562	579	528	484
50°	464	453	418	393	400	429	472	537	556	504	456
52.5°	449	436	399	375	381	409	449	507	529	467	419
55°	429	415	378	358	362	387	427	473	490	419	373
57.5°	404	391	355	339	343	364	403	442	446	367	320
60°	377	364	330	316	323	342	376	407	403	323	275
62.5°	346	332	302	291	298	315	348	372	364	288	241
65°	311	299	271	265	270	285	316	336	327	258	211
67.5°	274	263	239	234	241	256	280	297	291	227	184
70°	236	227	206	204	212	224	243	258	254	196	157
72.5°	198	189	173	173	181	192	207	219	214	163	130
75°	159	152	140	142	150	159	170	179	172	130	104
77.5°	122	117	108	111	118	125	134	139	131	98	78
80°	88	83	77	81	86	93	98	101	94	69	55
82.5°	56	52	49	52	56	61	65	66	60	44	34
85°	30	27	25	28	31	34	36	36	32	23	17
87.5°	10	8	8	10	11	13	14	14	12	8	5
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°	362	362	362	362	362	362	362	362	362	362
2.5°	357	351	348	345	342	340	339	338	337	338
5°	353	342	333	325	316	311	308	306	305	306
7.5°	356	340	325	310	295	284	276	274	273	274
10°	363	342	321	298	276	260	249	245	245	244
12.5°	376	346	316	288	260	239	224	219	218	218
15°	390	352	314	279	247	220	203	195	195	195
17.5°	405	359	313	271	234	205	184	174	173	174
20°	421	366	311	264	222	190	168	155	154	154
22.5°	435	372	311	258	212	177	153	138	136	136
25°	448	375	308	249	201	164	138	122	118	118
27.5°	455	375	304	242	191	151	123	106	100	100
30°	461	374	299	234	180	137	108	90	83	83
32.5°	465	371	293	225	168	122	91	74	68	68
35°	467	365	285	213	153	106	77	61	56	55
37.5°	466	361	276	200	136	91	64	50	46	45
40°	461	354	266	184	120	77	54	42	37	37
42.5°	454	345	253	167	104	65	44	34	31	31
45°	443	331	237	151	90	55	37	29	27	26
47.5°	425	315	218	133	78	46	31	25	23	23
50°	396	292	198	116	66	39	27	23	21	21
52.5°	360	262	176	101	56	33	24	20	19	18
55°	317	228	152	87	48	28	22	19	17	17
57.5°	267	193	128	74	40	25	19	17	15	15
60°	225	159	106	62	33	22	17	15	14	14
62.5°	193	131	87	51	28	19	16	14	12	12
65°	166	109	72	42	24	17	14	12	11	11
67.5°	141	89	59	34	20	14	12	10	9	9
70°	118	73	47	27	16	12	9	8	7	7
72.5°	97	58	38	21	13	9	7	7	6	6
75°	77	45	29	16	10	7	6	5	5	4
77.5°	57	33	21	11	7	5	4	4	3	3
80°	40	22	13	7	4	3	2	2	2	2
82.5°	24	13	7	3	2	1	1	1	1	1
85°	11	5	2	1	1	0	0	0	0	0
87.5°	3	1	1	1	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)