

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: P482051

Luminaire Tested: **IFLD-S-SA2A-740-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482051  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-740-U-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

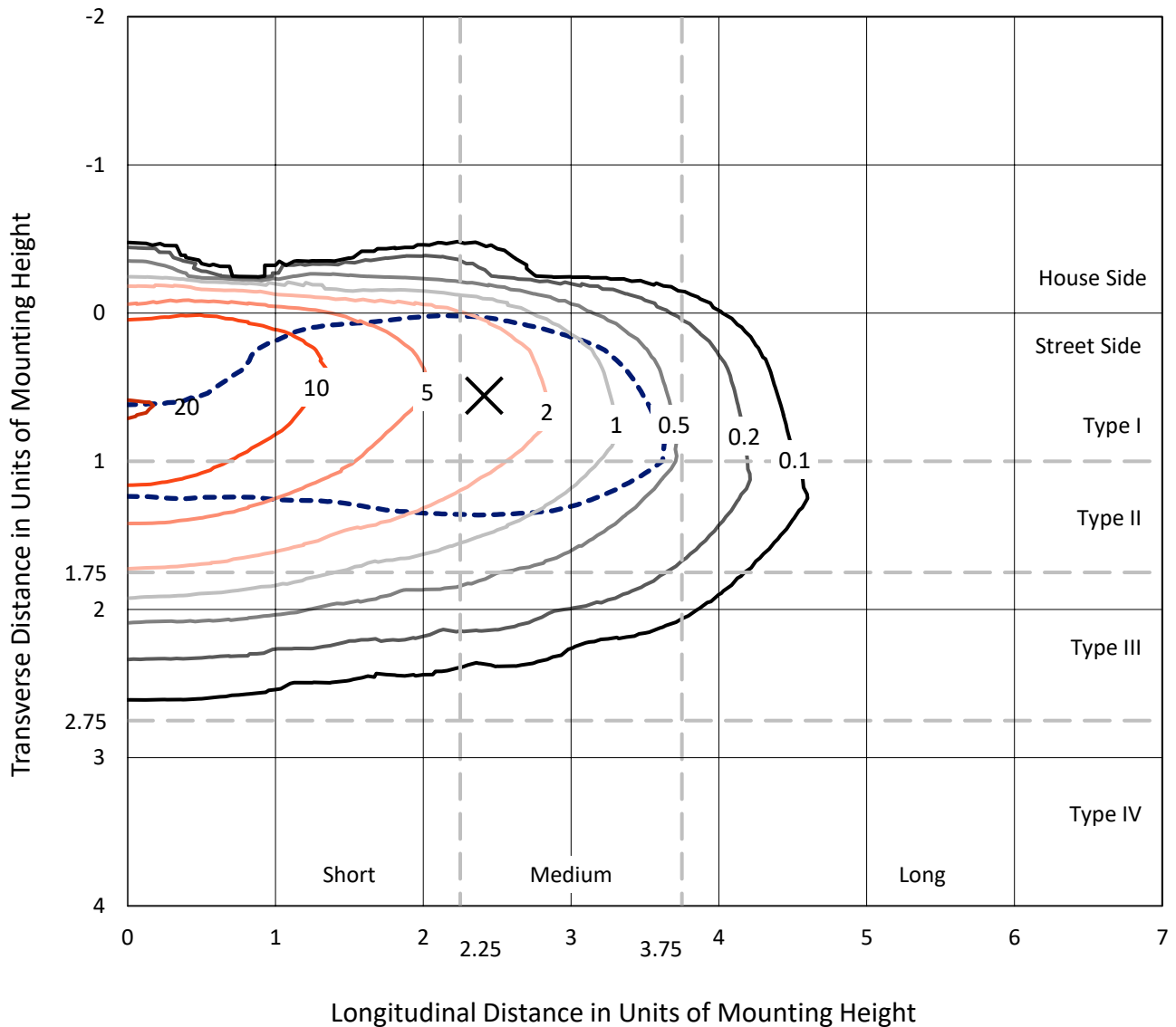
Lumens per Lamp: N/A  
Luminaire Lumens: 7258.4 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G2

Input Watts (W): 63.8  
Input Voltage (V): 120  
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

REPORT NUMBER: P482051  
 CATALOG NUMBER: IFLD-S-SA2A-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

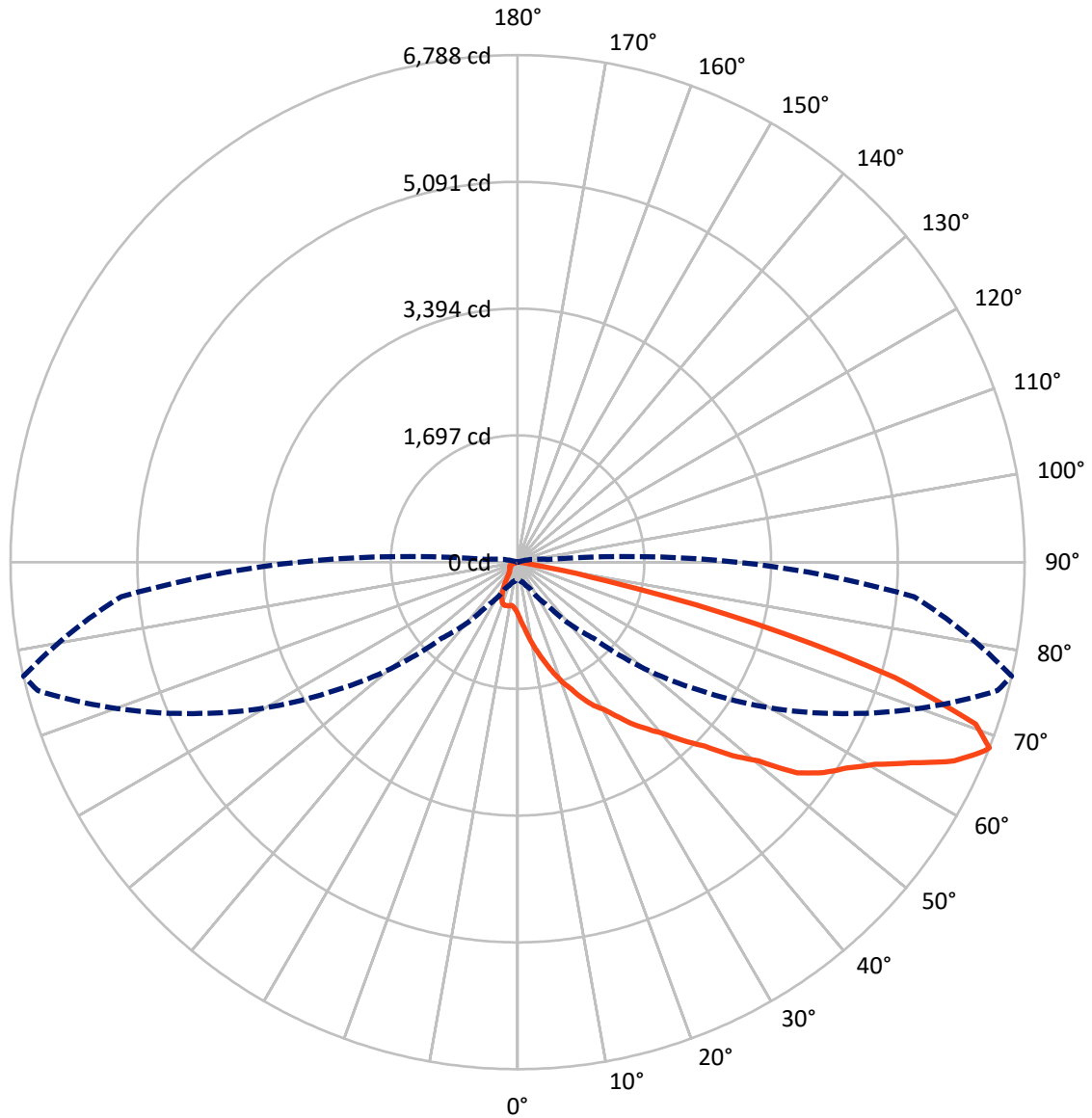
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P482051  
CATALOG NUMBER: IFLD-S-SA2A-740-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P482051  
 CATALOG NUMBER: IFLD-S-SA2A-740-U-T2R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	329.2	0.0	329.2
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	6929.2	0.0	6929.2
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	7258.4	0.0	7258.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.2	1.1
10°-20°	299.5	4.1
20°-30°	580.3	8.0
30°-40°	1011.7	13.9
40°-50°	1481.8	20.4
50°-60°	1740.9	24.0
60°-70°	1470.0	20.3
70°-80°	569.8	7.9
80°-90°	23.2	0.3
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°	7258.4	100.0
0°-180°	7258.4	100.0

**Coefficient of Utilization**



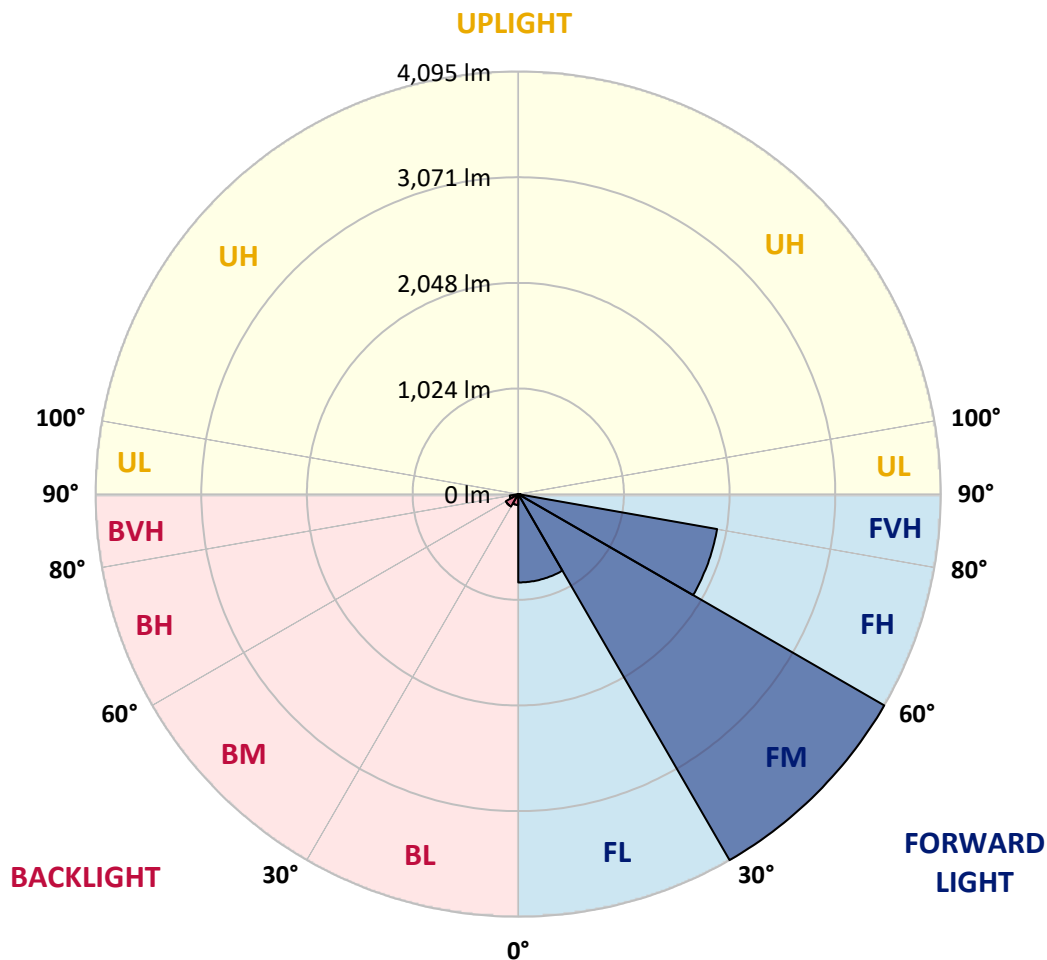
REPORT NUMBER: P482051  
 CATALOG NUMBER: IFLD-S-SA2A-740-U-T2R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	855.8	11.8			
FM (30°-60°)	4095.3	56.4			
FH (60°-80°)	1956.7	27.0			G2/5000
FVH (80°-90°)	21.4	0.3			G1/100
BL (0°-30°)	105.2	1.4	B0/110		
BM (30°-60°)	139.1	1.9	B0/220		
BH (60°-80°)	83.1	1.1	B0/110		G0/110
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G2**

Type II Medium





REPORT NUMBER: P482051  
 CATALOG NUMBER: IFLD-S-SA2A-740-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	695	695	695	695	695	695	695	695	695	695	695
2.5°	1056	1036	1015	1009	970	926	885	845	778	779	733
5°	1361	1336	1319	1315	1254	1178	1116	1003	892	867	783
7.5°	1612	1604	1579	1558	1513	1420	1347	1185	1016	988	844
10°	1764	1776	1787	1760	1725	1658	1558	1383	1157	1122	923
12.5°	1926	1906	1913	1935	1889	1874	1750	1587	1322	1255	1023
15°	1968	1976	1993	2057	2088	2045	1938	1752	1493	1400	1116
17.5°	1996	1992	2013	2109	2156	2197	2130	1936	1642	1559	1232
20°	2031	2009	2055	2116	2225	2311	2308	2121	1798	1710	1347
22.5°	2161	2144	2181	2187	2263	2383	2412	2272	1958	1850	1471
25°	2401	2432	2388	2350	2373	2452	2473	2406	2119	2020	1595
27.5°	2752	2748	2661	2612	2557	2547	2562	2531	2246	2175	1697
30°	3129	3096	3016	2898	2777	2702	2681	2649	2395	2292	1798
32.5°	3429	3447	3358	3204	3003	2902	2801	2766	2559	2468	1914
35°	3705	3681	3610	3480	3300	3137	2979	2904	2756	2666	2042
37.5°	3909	3939	3804	3680	3501	3366	3211	3047	2959	2839	2198
40°	4102	4055	3964	3850	3684	3581	3479	3223	3175	3020	2374
42.5°	4068	4071	4021	3929	3809	3750	3715	3437	3371	3272	2546
45°	3929	3941	3958	3913	3923	3864	3958	3683	3618	3513	2744
47.5°	3776	3796	3792	3874	3967	3987	4222	3956	3928	3870	3018
50°	3522	3530	3607	3756	3883	4092	4420	4254	4297	4183	3344
52.5°	3088	3117	3315	3528	3784	4145	4554	4697	4806	4689	3657
55°	2539	2579	2774	3173	3548	4065	4676	4931	5152	4975	3847
57.5°	2043	2047	2222	2634	3213	3908	4738	5045	5342	5200	4079
60°	1557	1541	1698	2055	2649	3522	4583	5103	5579	5497	4358
62.5°	1002	977	1148	1496	2069	2879	4273	5104	5949	5918	4825
65°	496	479	626	917	1432	2202	3831	5085	6401	6421	5280
67.5°	262	268	315	465	826	1556	3165	4862	6632	6744	5390
68°	241	243	280	387	717	1443	3007	4797	6650	6788	5329
70°	196	199	212	243	388	939	2320	4245	6379	6505	4824
72.5°	156	165	173	186	228	493	1443	3308	5270	5284	3755
75°	119	126	142	153	178	271	687	2017	3458	3288	2212
77.5°	92	98	105	120	149	183	210	856	1469	1209	625
80°	55	59	82	94	130	124	83	238	298	235	114
82.5°	32	35	47	72	91	67	49	74	73	64	38
85°	1	2	26	43	32	18	30	31	26	24	17
87.5°	0	1	7	6	7	4	6	8	10	9	7
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P482051  
 CATALOG NUMBER: IFLD-S-SA2A-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	695	695	695	695	695	695	695	695	695	695	695
2.5°	702	680	631	594	554	530	506	491	483	478	482
5°	720	674	595	525	479	448	417	401	386	378	383
7.5°	760	691	560	484	430	382	343	312	294	278	281
10°	809	701	561	460	382	306	251	212	190	176	175
12.5°	859	740	565	436	323	230	165	136	123	116	116
15°	935	775	555	392	245	150	113	103	98	92	93
17.5°	1001	831	550	326	168	108	94	83	78	72	72
20°	1090	866	523	252	116	90	76	66	58	53	54
22.5°	1171	893	475	172	89	71	56	46	39	33	34
25°	1259	920	405	106	63	44	30	22	15	11	11
27.5°	1322	928	314	63	38	20	7	1	0	0	0
30°	1386	931	217	34	15	0	0	0	0	0	0
32.5°	1459	930	136	18	1	0	0	0	0	0	0
35°	1515	913	65	2	0	0	0	0	0	0	0
37.5°	1600	888	20	0	0	0	0	0	0	0	0
40°	1697	843	4	0	0	0	0	0	0	0	0
42.5°	1784	797	0	0	0	0	0	0	0	0	0
45°	1883	740	0	0	0	0	0	0	0	0	0
47.5°	2057	716	0	0	0	0	0	0	0	0	0
50°	2284	697	0	0	0	0	0	0	0	0	0
52.5°	2424	641	0	0	0	0	0	0	0	0	0
55°	2497	583	0	0	0	0	0	0	0	0	0
57.5°	2605	555	0	0	0	0	0	0	0	0	0
60°	2765	557	0	0	0	0	0	0	0	0	0
62.5°	3015	585	0	0	0	0	0	0	0	0	0
65°	3153	557	4	0	0	0	0	0	0	0	0
67.5°	3036	446	19	5	1	0	0	0	0	0	0
68°	2935	410	19	5	1	0	0	0	0	0	0
70°	2426	267	18	5	2	0	0	0	0	0	0
72.5°	1767	148	15	4	2	0	0	0	0	0	0
75°	1028	74	11	4	2	0	0	0	0	0	0
77.5°	268	37	9	5	3	1	0	0	0	0	0
80°	53	24	8	6	4	2	0	0	0	0	0
82.5°	25	17	8	6	5	3	1	0	0	0	0
85°	13	8	8	6	6	4	2	0	0	0	0
87.5°	6	3	3	3	3	2	1	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)