

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: P847777

Luminaire Tested: **GLAN-SB4A-740-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14917 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

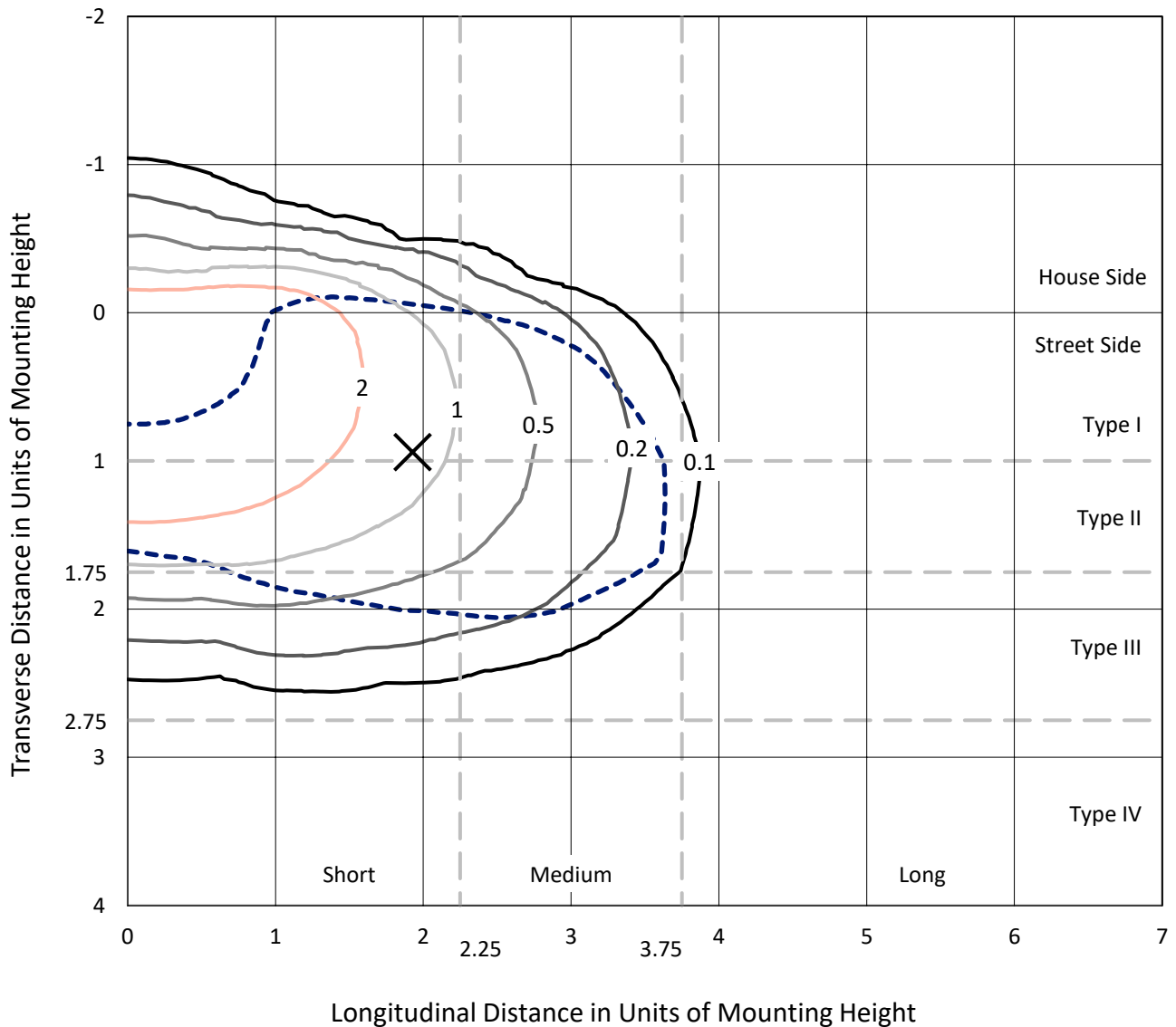
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847777
 CATALOG NUMBER: GLAN-SB4A-740-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

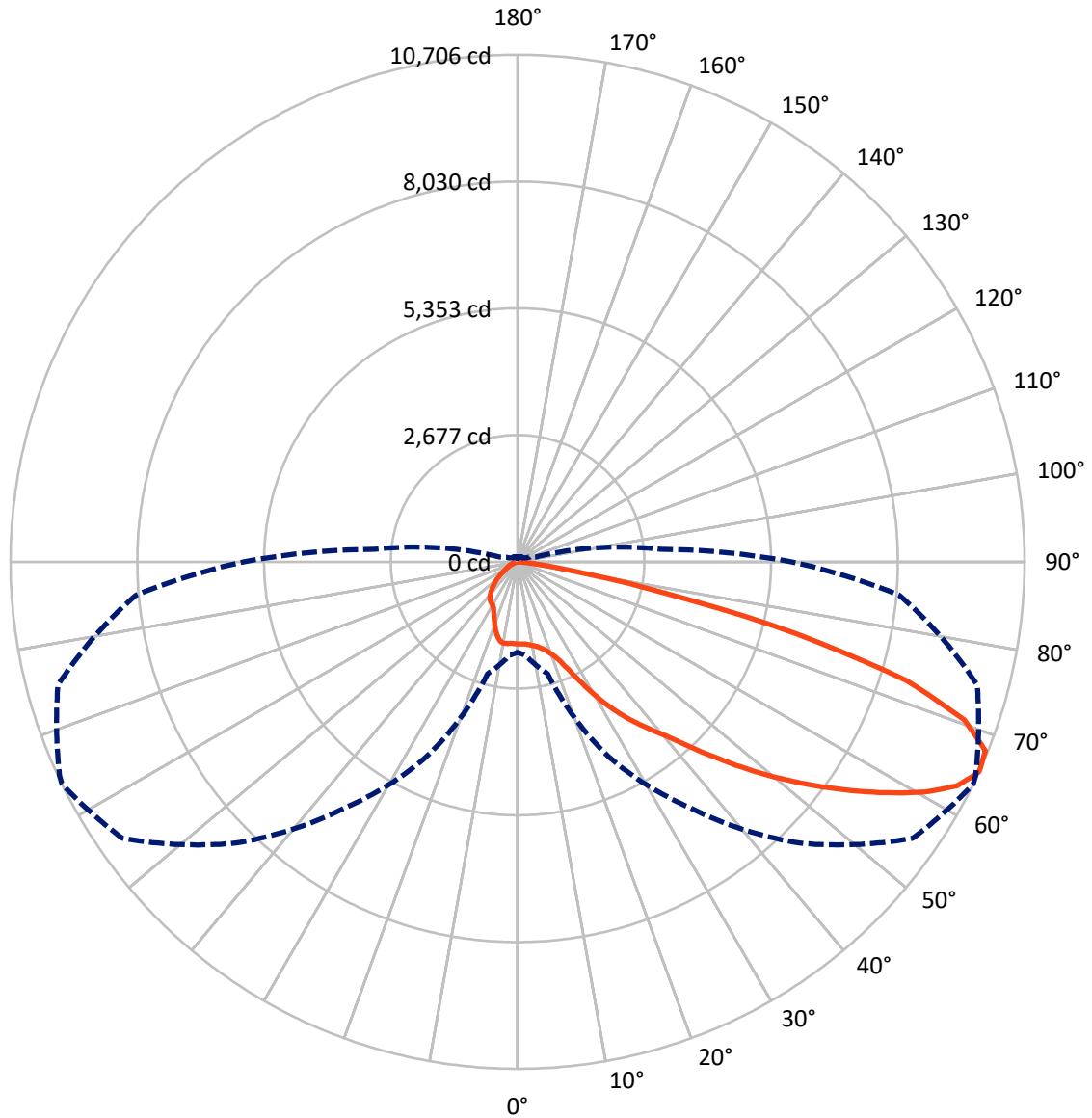
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

REPORT NUMBER: P847777
CATALOG NUMBER: GLAN-SB4A-740-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P847777
 CATALOG NUMBER: GLAN-SB4A-740-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1994.9	0.0	1994.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12922.1	0.0	12922.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	14917.0	0.0	14917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.1	1.1
10°-20°	434.2	2.9
20°-30°	822.7	5.5
30°-40°	1664.7	11.2
40°-50°	2835.9	19.0
50°-60°	3856.6	25.9
60°-70°	3621.6	24.3
70°-80°	1450.9	9.7
80°-90°	70.3	0.5
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°	14917.0	100.0
0°-180°	14917.0	100.0

Coefficient of Utilization



REPORT NUMBER: P847777

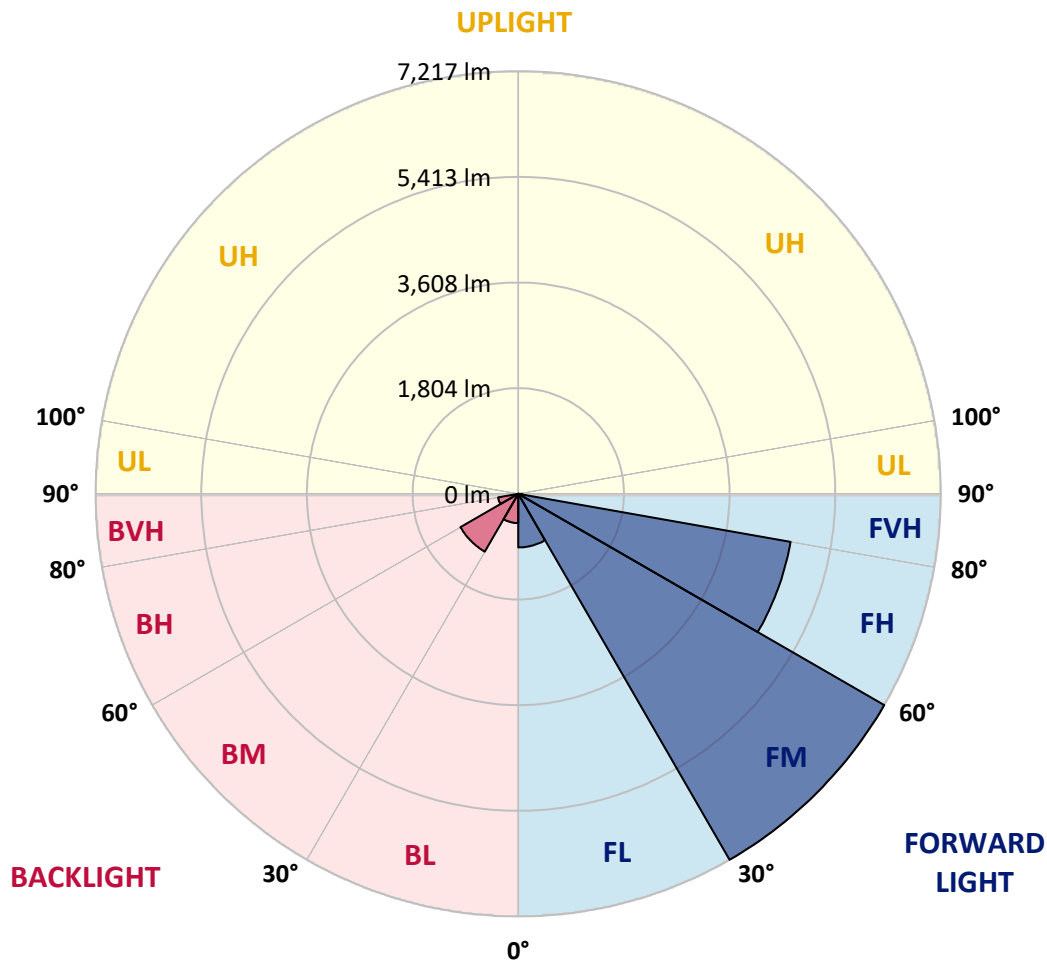
CATALOG NUMBER: GLAN-SB4A-740-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	916.1	6.1			
FM (30°-60°)	7216.8	48.4			
FH (60°-80°)	4722.4	31.7			G2/5000
FVH (80°-90°)	66.9	0.4			G1/100
BL (0°-30°)	500.8	3.4	B2/1000		
BM (30°-60°)	1140.4	7.6	B2/2500		
BH (60°-80°)	350.1	2.3	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P847777
 CATALOG NUMBER: GLAN-SB4A-740-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1735	1735	1735	1735	1735	1735	1735	1735	1735	1735
2.5°	1729	1741	1738	1735	1734	1736	1737	1736	1736	1736
5°	1696	1706	1706	1713	1723	1735	1744	1746	1748	1751
7.5°	1633	1641	1647	1670	1695	1727	1754	1768	1770	1781
10°	1590	1600	1610	1634	1670	1718	1764	1798	1803	1829
12.5°	1588	1598	1611	1637	1679	1730	1786	1835	1844	1882
15°	1609	1621	1633	1665	1710	1772	1832	1893	1902	1956
17.5°	1652	1668	1677	1709	1757	1826	1905	1975	1983	2046
20°	1737	1756	1759	1785	1832	1906	2000	2087	2097	2169
22.5°	1913	1940	1916	1929	1971	2045	2147	2257	2271	2353
25°	2223	2261	2199	2177	2195	2272	2400	2539	2555	2621
27.5°	2832	2783	2689	2597	2543	2587	2731	2903	2923	2987
30°	3501	3458	3331	3127	2999	2992	3125	3317	3340	3401
32.5°	4171	4130	3992	3741	3519	3409	3501	3714	3726	3765
35°	4830	4788	4650	4393	4120	3870	3852	4092	4096	4137
37.5°	5493	5458	5311	5059	4790	4445	4278	4450	4455	4495
40°	5966	5981	5880	5685	5454	5077	4756	4831	4801	4868
42.5°	6372	6402	6314	6216	6082	5750	5348	5335	5287	5323
45°	6723	6748	6669	6646	6643	6410	5995	5917	5850	5843
47.5°	6852	6900	6934	7011	7161	7063	6664	6543	6468	6413
50°	6901	6952	7068	7292	7647	7689	7330	7194	7102	7002
52.5°	6835	6926	7082	7459	7974	8191	7969	7850	7745	7582
55°	6446	6537	6856	7457	8137	8543	8573	8520	8402	8145
57.5°	5626	5761	6266	7203	8134	8846	9165	9203	9071	8703
60°	4490	4673	5289	6640	7883	9010	9684	9874	9734	9253
62.5°	3133	3345	3928	5758	7309	8892	10063	10414	10308	9745
65°	1911	1979	2449	4531	6333	8398	10180	10706	10671	10046
67.5°	1273	1330	1465	3107	4916	7411	9900	10655	10665	9997
70°	767	816	904	1807	3186	5866	9033	10005	10063	9342
72.5°	316	349	429	819	1650	3723	7193	8590	8725	7855
75°	179	196	252	411	716	1735	4357	6098	6297	5414
77.5°	119	127	163	266	403	592	1862	3177	3557	2957
80°	80	87	112	178	262	254	593	1177	1448	1016
82.5°	54	55	80	117	166	123	175	366	460	294
85°	31	30	59	68	74	51	53	110	144	124
87.5°	4	6	23	18	10	11	11	19	28	30
90°	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P847777
 CATALOG NUMBER: GLAN-SB4A-740-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1735	0°	1735	1735	1735	1735	1735	1735	1735	1735	1735	1735
1737	2.5°	1737	1736	1733	1730	1723	1719	1721	1719	1718	1719
1750	5°	1750	1747	1739	1729	1715	1698	1687	1671	1656	1647
1785	7.5°	1785	1782	1771	1743	1698	1627	1562	1505	1462	1437
1841	10°	1841	1836	1819	1757	1639	1484	1355	1248	1178	1145
1907	12.5°	1907	1901	1871	1744	1527	1285	1107	988	923	894
1983	15°	1985	1977	1918	1682	1364	1065	902	813	771	745
2080	17.5°	2082	2068	1953	1589	1187	897	776	709	672	647
2207	20°	2208	2185	1981	1478	1024	791	691	635	607	585
2387	22.5°	2384	2351	2015	1358	909	718	628	587	564	539
2638	25°	2602	2563	2057	1247	830	655	582	548	521	492
2967	27.5°	2907	2837	2107	1156	762	601	540	502	471	447
3340	30°	3247	3132	2151	1101	700	551	485	447	418	401
3675	32.5°	3569	3413	2180	1077	644	494	425	384	362	357
4003	35°	3873	3667	2177	1054	594	437	366	324	307	310
4356	37.5°	4223	3938	2156	1018	553	385	315	278	263	264
4785	40°	4630	4251	2143	950	508	337	273	243	232	228
5237	42.5°	5064	4554	2145	873	452	294	244	219	209	206
5740	45°	5500	4843	2148	793	393	261	223	202	196	192
6250	47.5°	5910	5089	2092	707	335	236	206	192	187	182
6762	50°	6292	5253	1957	607	289	216	193	183	178	173
7226	52.5°	6589	5279	1734	504	257	201	185	176	170	165
7601	55°	6721	5116	1417	408	232	188	177	168	161	156
7896	57.5°	6687	4773	1105	328	208	175	167	161	153	145
8135	60°	6520	4314	833	273	186	161	156	151	140	128
8227	62.5°	6231	3737	594	226	162	145	143	139	123	101
8091	65°	5789	3036	400	188	139	127	128	121	100	75
7593	67.5°	5143	2220	256	154	116	106	107	103	85	64
6649	70°	4320	1470	167	117	93	82	88	89	72	52
5103	72.5°	3167	868	117	87	68	57	72	74	58	39
3070	75°	1805	412	88	63	42	40	56	56	40	26
1329	77.5°	758	172	62	41	24	23	38	35	20	12
324	80°	219	77	33	20	10	9	15	11	5	2
123	82.5°	86	34	13	8	4	4	2	0	0	0
70	85°	51	14	6	3	1	0	0	0	0	0
15	87.5°	13	3	2	0	0	0	0	0	0	0
0	90°	0	0	0	0	0	0	0	0	0	0

(END O

180°
1735
1723
1649
1438
1142
891
746
645
581
535
489
442
398
360
310
268
227
205
192
182
173
164
155
144
126
99
73
61
50
37
24
12
2
0
0
0
0

F REPORT)