

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1067463

Luminaire Tested: **NAV-SA1C-730-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067463
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-730-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5225 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 50.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

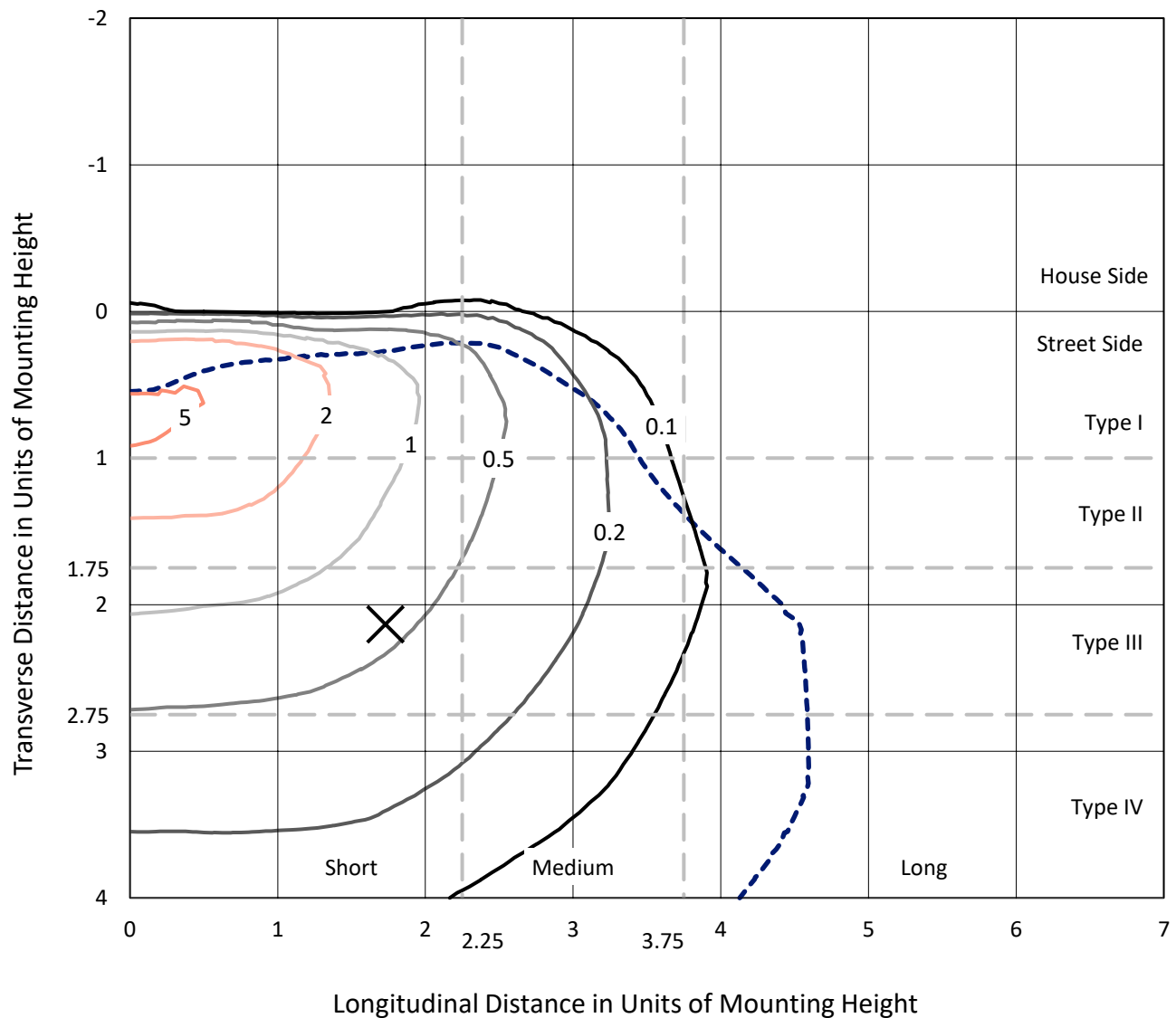


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

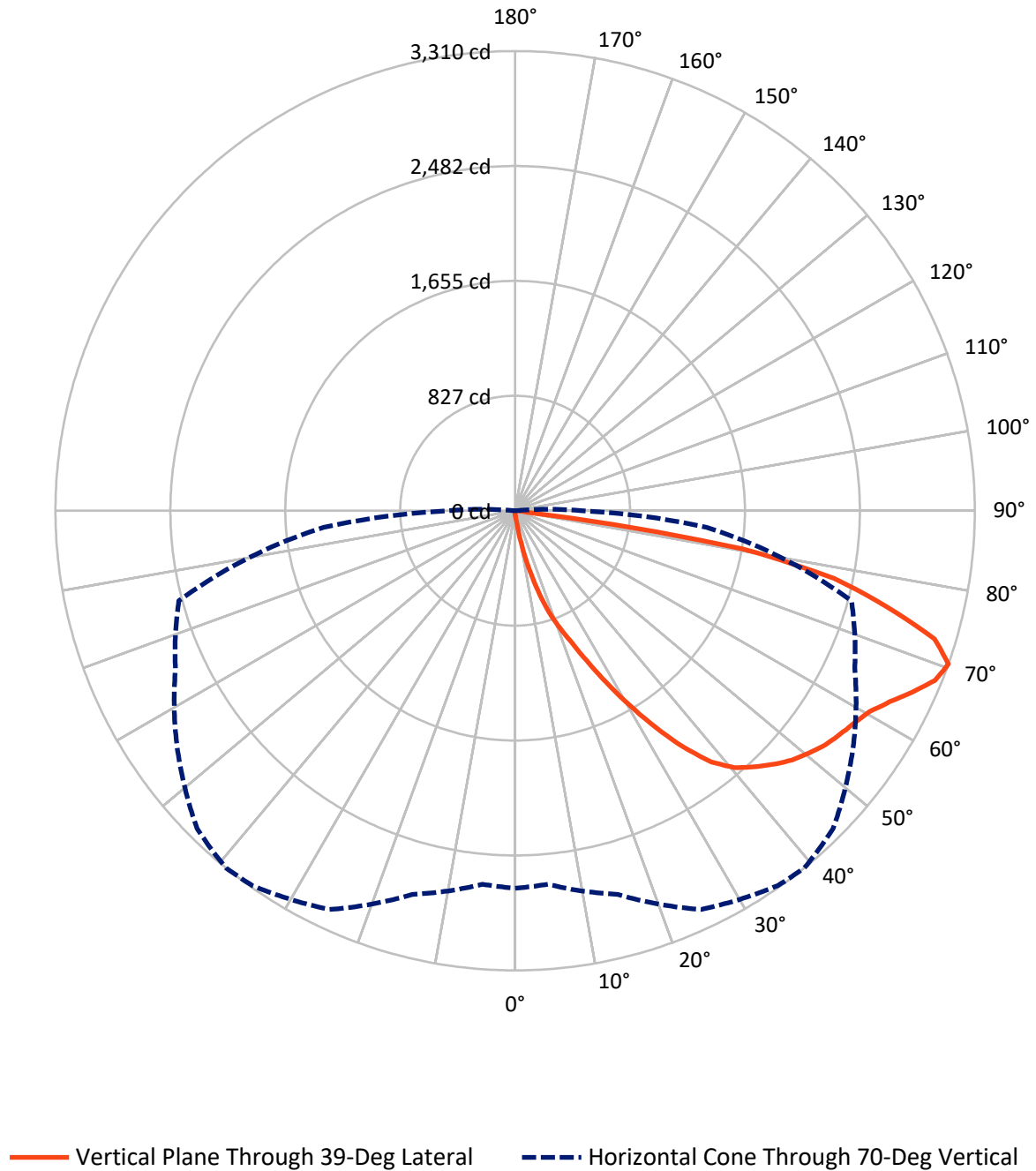


Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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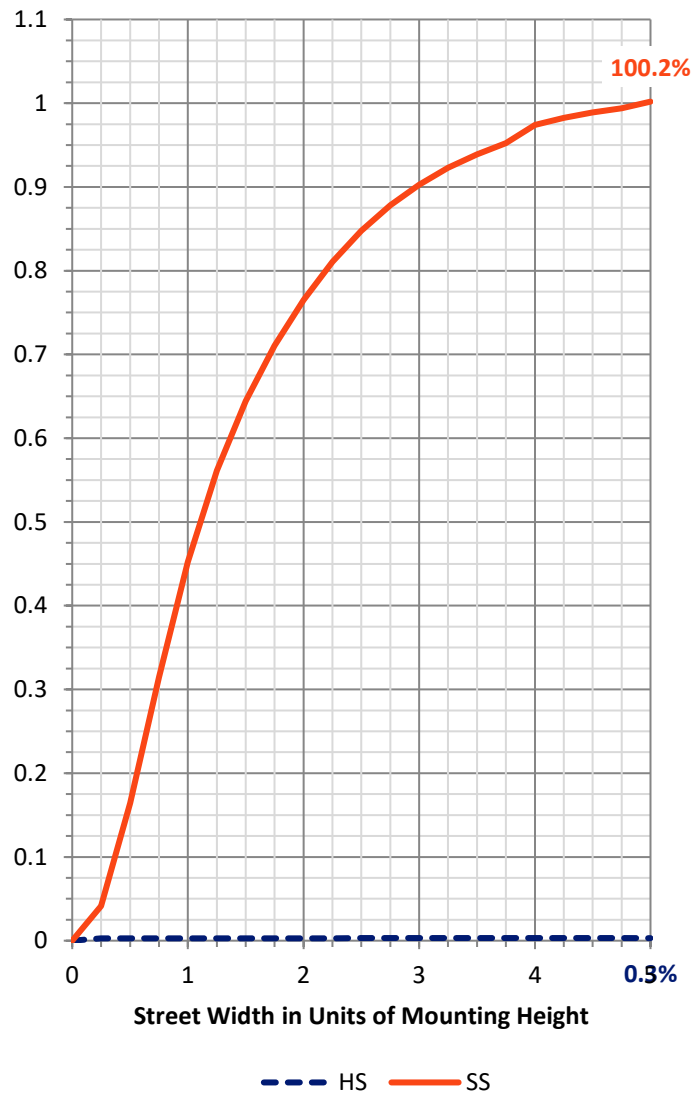
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16.1	0.0	16.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	5208.9	0.0	5208.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	5225.0	0.0	5225.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	64.2	1.2
20°-30°	218.0	4.2
30°-40°	512.3	9.8
40°-50°	831.9	15.9
50°-60°	1054.1	20.2
60°-70°	1339.0	25.6
70°-80°	1088.0	20.8
80°-90°	112.0	2.1
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°	5225.0	100.0
0°-180°	5225.0	100.0



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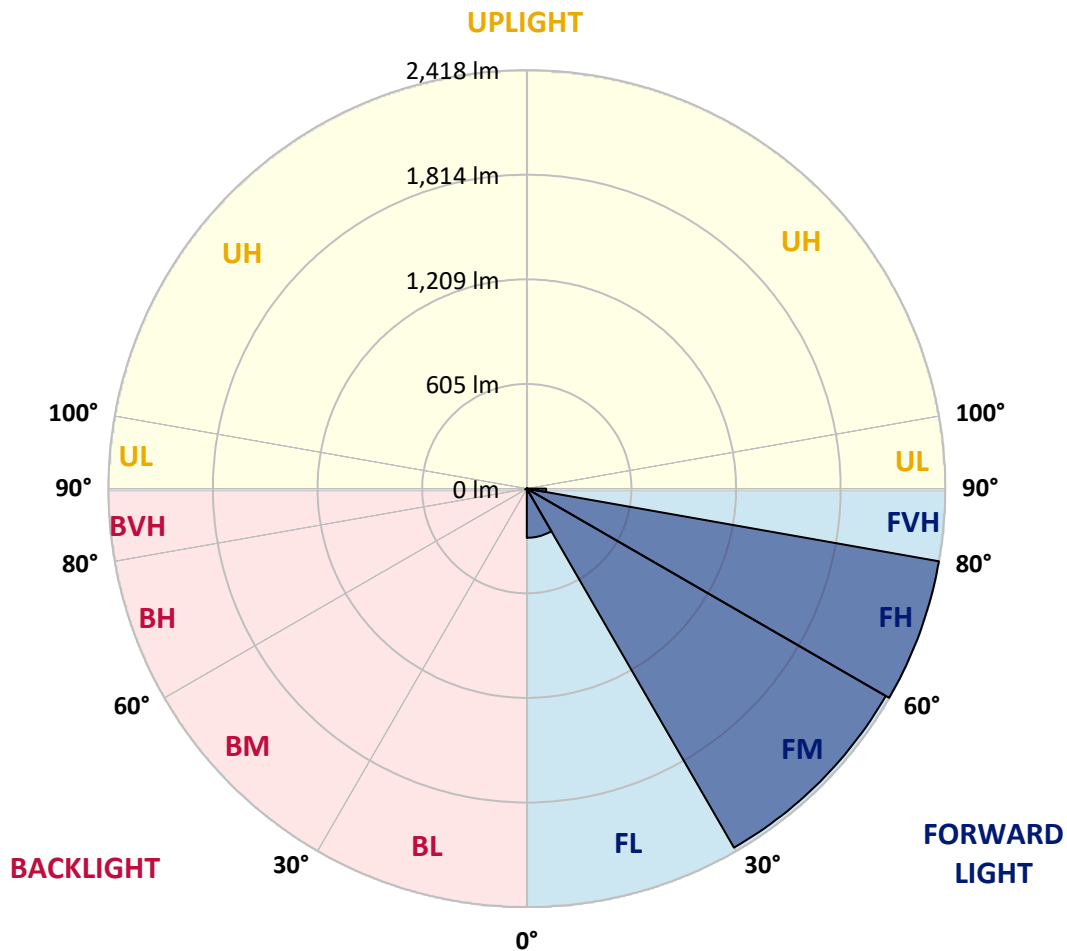
CATALOG NUMBER: NAV-SA1C-730-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.2	5.4			
FM	(30°-60°)	2395.2	45.8			
FH	(60°-80°)	2418.2	46.3			G2/5000
FVH	(80°-90°)	111.4	2.1			G2/225
BL	(0°-30°)	3.5	0.1	B0/110		
BM	(30°-60°)	3.1	0.1	B0/220		
BH	(60°-80°)	8.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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 IV Short





REPORT NUMBER: P1067463

CATALOG NUMBER: NAV-SA1C-730-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
2.5°	36.9	36.9	36.9	35.5	35.5	34.0	34.0	32.6	31.2	31.2	29.8
5°	69.5	70.9	66.7	58.2	52.5	49.7	46.8	39.7	35.5	32.6	29.8
7.5°	190.1	184.4	175.9	147.5	113.5	96.5	82.3	58.2	42.6	34.0	29.8
10°	400.0	384.4	360.3	322.0	255.3	228.4	177.3	106.4	59.6	38.3	29.8
12.5°	587.3	590.1	560.3	523.5	442.6	397.2	327.7	200.0	93.6	45.4	29.8
15°	729.1	726.3	715.0	685.2	612.8	568.9	506.4	336.2	157.5	56.7	31.2
17.5°	841.2	829.9	825.6	812.8	766.0	741.9	673.8	495.1	249.7	76.6	32.6
20°	953.3	950.4	946.2	932.0	900.8	883.8	831.3	655.4	371.7	109.2	35.5
22.5°	1116.4	1100.8	1103.7	1072.4	1046.9	1017.1	974.6	825.6	512.1	156.0	39.7
25°	1307.9	1306.5	1283.8	1269.6	1227.1	1194.4	1137.7	990.2	668.2	225.6	44.0
27.5°	1533.5	1517.9	1507.9	1483.8	1439.9	1403.0	1325.0	1153.3	837.0	303.6	49.7
30°	1769.0	1769.0	1750.5	1713.6	1671.1	1625.7	1546.3	1325.0	1004.4	402.9	56.7
32.5°	2044.2	2049.8	2004.5	1949.1	1893.8	1862.6	1759.0	1519.3	1164.7	516.4	65.3
35°	2310.9	2303.8	2228.6	2167.6	2126.4	2092.4	2004.5	1732.1	1346.2	648.3	76.6
37.5°	2566.2	2547.8	2422.9	2336.4	2318.0	2295.3	2207.3	1944.9	1526.4	794.4	90.8
40°	2749.2	2720.8	2591.7	2472.6	2445.6	2432.9	2364.8	2137.8	1716.5	957.5	109.2
42.5°	2828.6	2796.0	2706.6	2610.2	2550.6	2520.8	2461.2	2295.3	1906.6	1139.1	136.2
45°	2844.3	2818.7	2754.9	2732.2	2651.3	2605.9	2525.1	2407.3	2083.9	1319.3	173.1
47.5°	2787.5	2776.2	2737.9	2786.1	2744.9	2682.5	2584.7	2491.0	2241.4	1537.7	224.1
50°	2648.5	2640.0	2658.4	2784.7	2813.0	2742.1	2649.9	2556.3	2377.5	1763.3	296.5
52.5°	2461.2	2459.8	2546.3	2747.8	2842.8	2798.9	2713.7	2621.5	2485.3	1981.8	398.6
55°	2257.0	2281.1	2432.9	2713.7	2859.9	2840.0	2776.2	2679.7	2581.8	2184.6	563.2
57.5°	2239.9	2230.0	2376.1	2699.6	2869.8	2881.1	2838.6	2740.7	2664.1	2350.6	783.1
60°	2410.2	2387.5	2442.8	2729.3	2913.8	2933.6	2901.0	2787.5	2746.4	2481.1	1072.4
62.5°	2607.3	2586.1	2614.4	2844.3	3000.3	3028.7	2987.5	2835.7	2813.0	2571.9	1383.1
65°	2764.8	2747.8	2801.7	3015.9	3120.9	3145.0	3116.6	2925.1	2842.8	2645.6	1635.6
67.5°	2790.3	2769.1	2881.1	3130.8	3242.9	3259.9	3237.2	3011.6	2832.9	2651.3	1693.8
70°	2718.0	2699.6	2859.9	3167.7	3295.4	3309.5	3237.2	2970.5	2698.1	2506.6	1384.5
72.5°	2495.3	2509.5	2716.6	3078.3	3223.0	3157.8	3004.5	2763.4	2523.7	2125.0	971.7
75°	2149.1	2164.8	2440.0	2832.9	2844.3	2764.8	2682.5	2542.1	2258.4	1400.1	673.8
77.5°	1527.8	1472.5	1883.9	2339.2	2298.1	2349.2	2356.3	2115.1	1891.0	729.1	451.1
80°	150.4	127.7	236.9	671.0	1482.4	1656.9	1725.0	1629.9	1394.5	326.3	236.9
82.5°	32.6	32.6	35.5	38.3	59.6	89.4	410.0	1004.4	900.8	166.0	76.6
85°	18.4	18.4	22.7	27.0	35.5	39.7	46.8	62.4	242.6	59.6	14.2
87.5°	14.2	15.6	18.4	22.7	29.8	32.6	39.7	49.7	61.0	55.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: NAV-SA1C-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
2.5°	29.8	28.4	27.0	25.5	24.1	24.1	22.7	22.7	22.7	22.7	22.7
5°	28.4	27.0	25.5	22.7	21.3	19.9	18.4	18.4	18.4	18.4	18.4
7.5°	28.4	27.0	24.1	21.3	18.4	17.0	15.6	14.2	14.2	15.6	15.6
10°	28.4	25.5	21.3	18.4	15.6	14.2	12.8	11.3	11.3	11.3	11.3
12.5°	27.0	24.1	19.9	17.0	14.2	11.3	8.5	7.1	7.1	7.1	7.1
15°	25.5	22.7	18.4	14.2	9.9	7.1	5.7	4.3	4.3	4.3	4.3
17.5°	25.5	21.3	17.0	12.8	7.1	4.3	2.8	1.4	1.4	1.4	2.8
20°	25.5	21.3	15.6	9.9	4.3	2.8	2.8	1.4	0.0	1.4	1.4
22.5°	25.5	19.9	12.8	7.1	4.3	2.8	1.4	0.0	0.0	0.0	0.0
25°	27.0	19.9	11.3	5.7	2.8	1.4	0.0	0.0	0.0	0.0	0.0
27.5°	27.0	18.4	9.9	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	28.4	18.4	8.5	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	28.4	17.0	5.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	28.4	15.6	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	28.4	14.2	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	29.8	12.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	31.2	11.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	32.6	9.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	36.9	9.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	42.6	9.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	51.1	9.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	66.7	8.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	96.5	8.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	161.7	8.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	283.7	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	479.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	625.6	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	475.2	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	227.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	100.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	44.0	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	17.0	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	7.1	2.8	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
85°	4.3	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

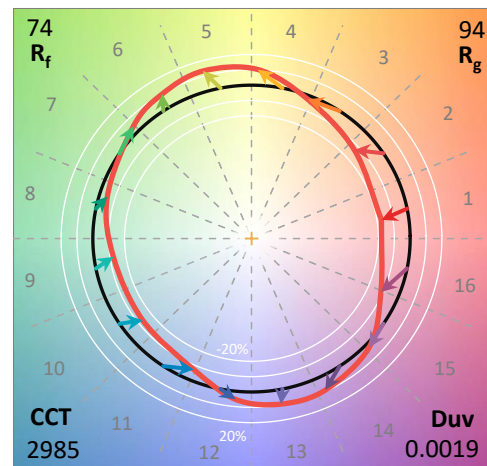
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

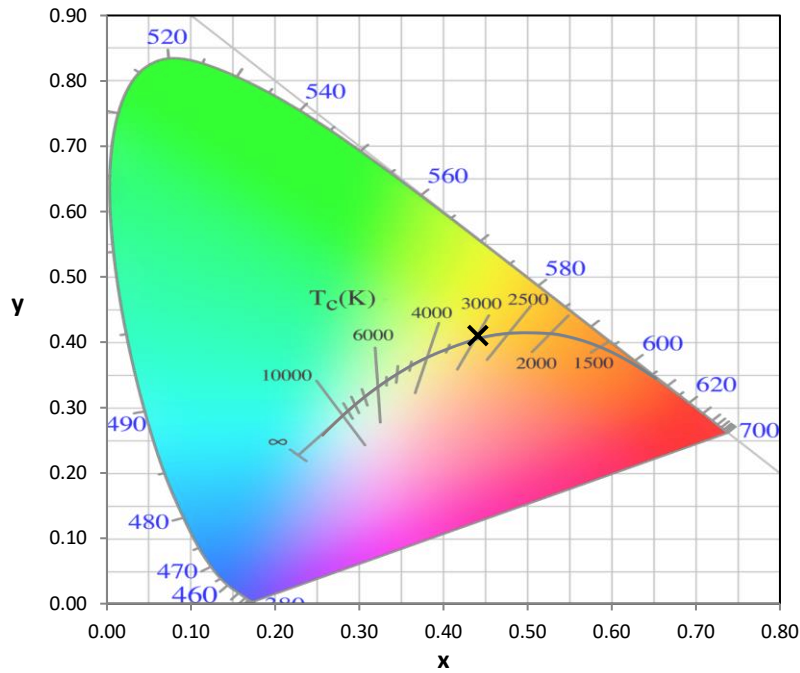
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



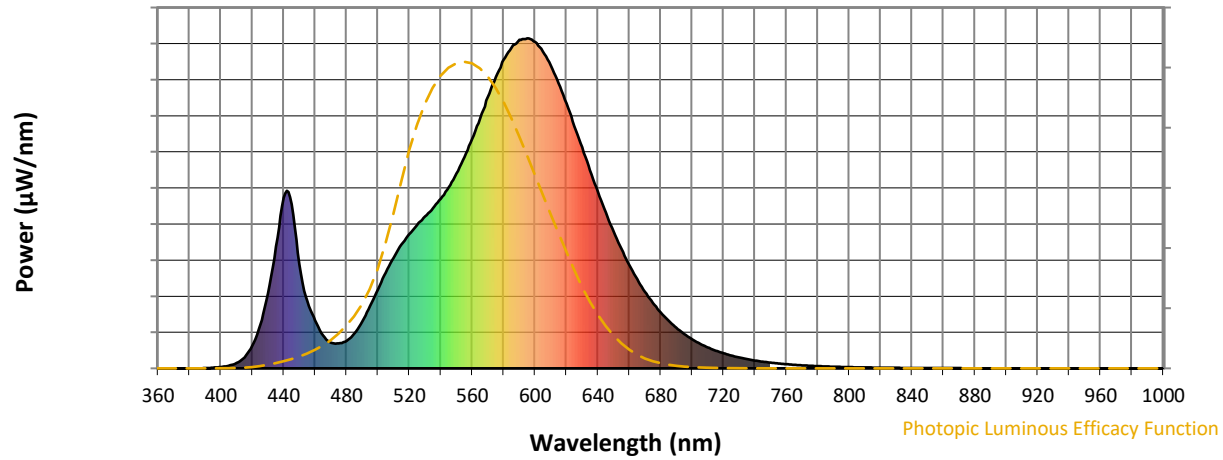
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.19

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

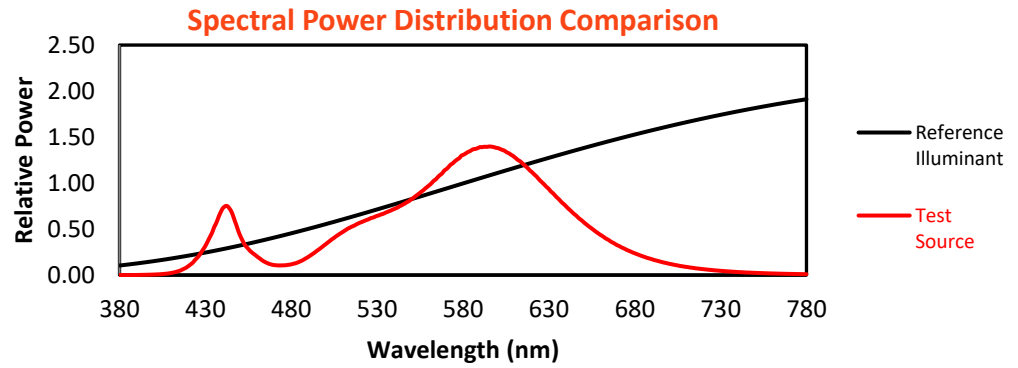
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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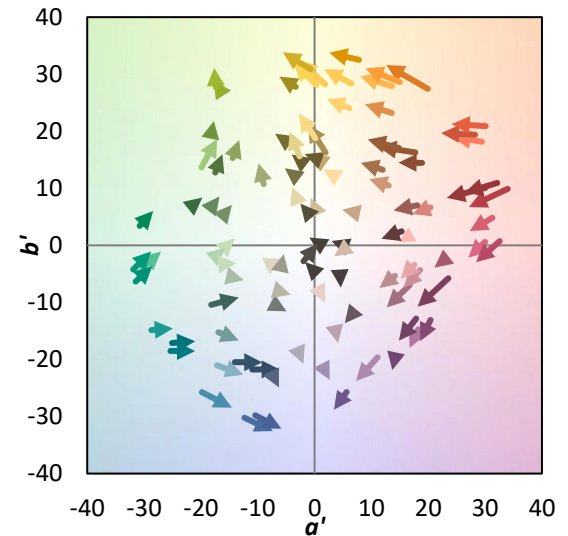
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$



Color Vector Graphics



Individual Sample Fidelity Index ($R_{f,i}$)

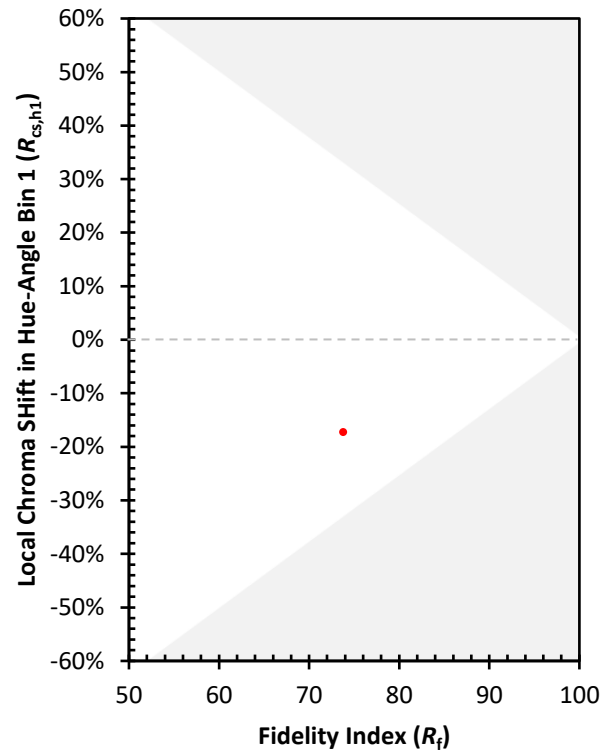
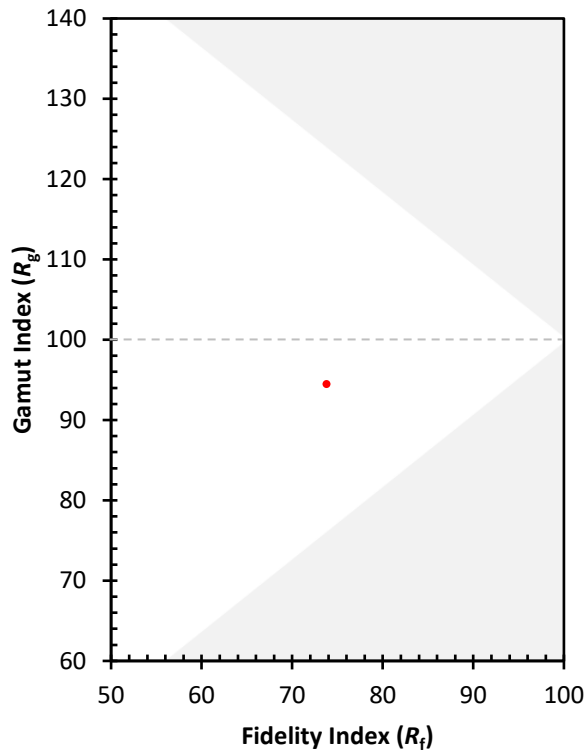
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)