

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: McGRAW-EDISON

Report Number: P1047715

Luminaire Tested: **GALN-SA5C-727-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047715
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-727-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25097.2 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 236
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



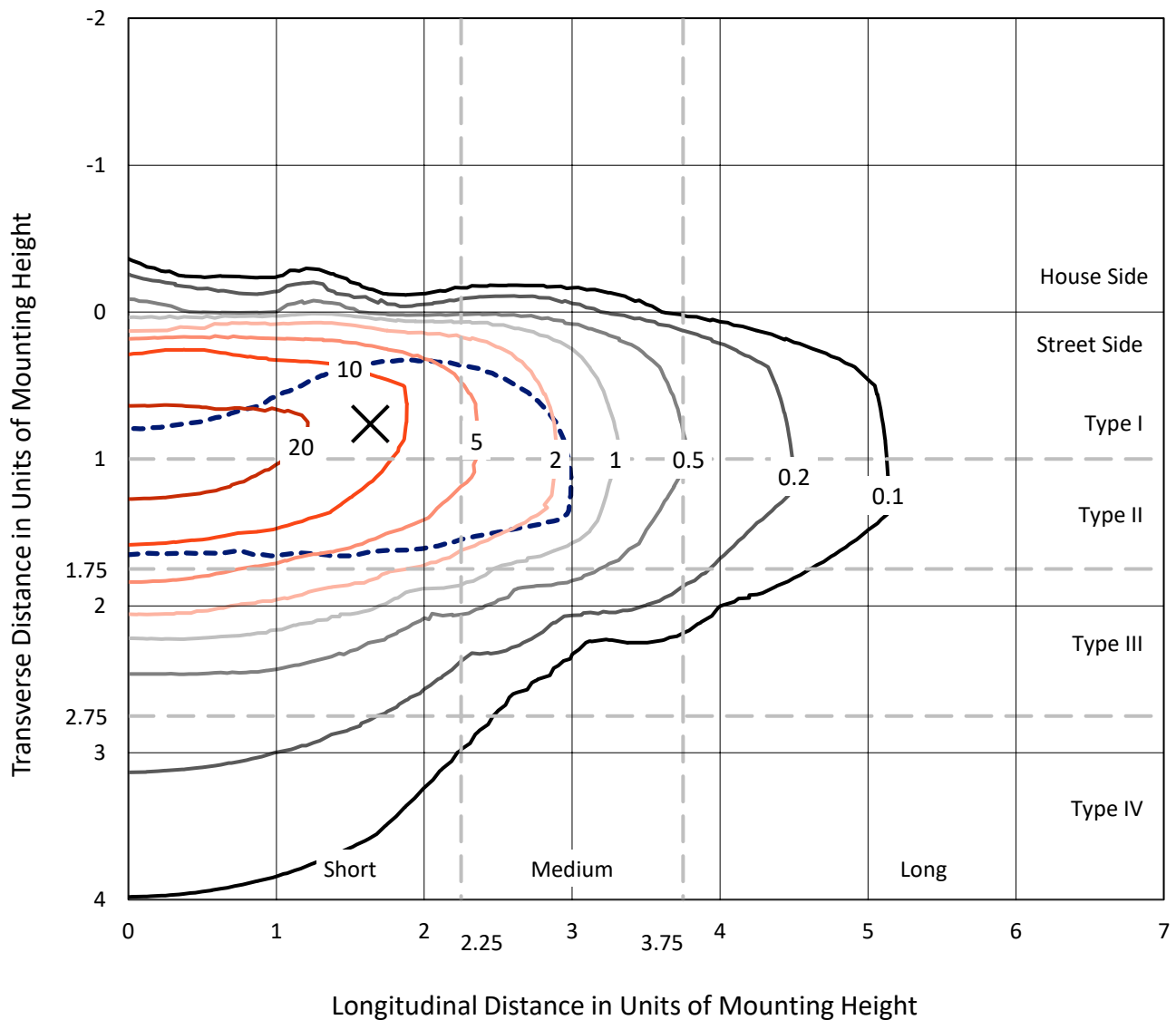
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CATALOG NUMBER: GALN-SA5C-727-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

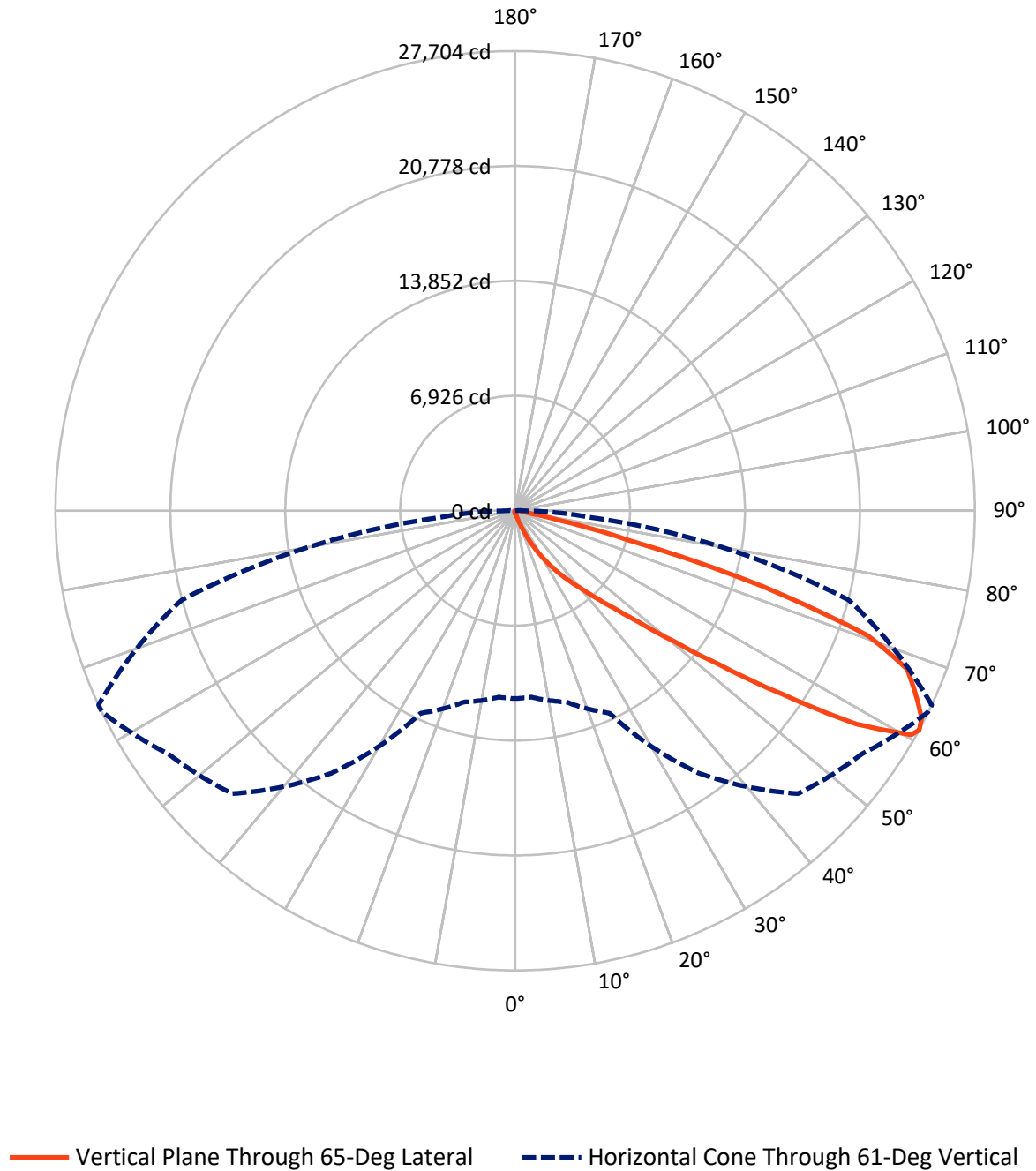


Based on 15 foot mounting height. Maximum calculated value = 33.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.1	0.0	107.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	24990.0	0.0	24990.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	25097.2	0.0	25097.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.1
10°-20°	206.4	0.8
20°-30°	740.6	3.0
30°-40°	1971.9	7.9
40°-50°	5180.2	20.6
50°-60°	8025.1	32.0
60°-70°	6728.9	26.8
70°-80°	1980.2	7.9
80°-90°	244.3	1.0
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°	25097.2	100.0
0°-180°	25097.2	100.0



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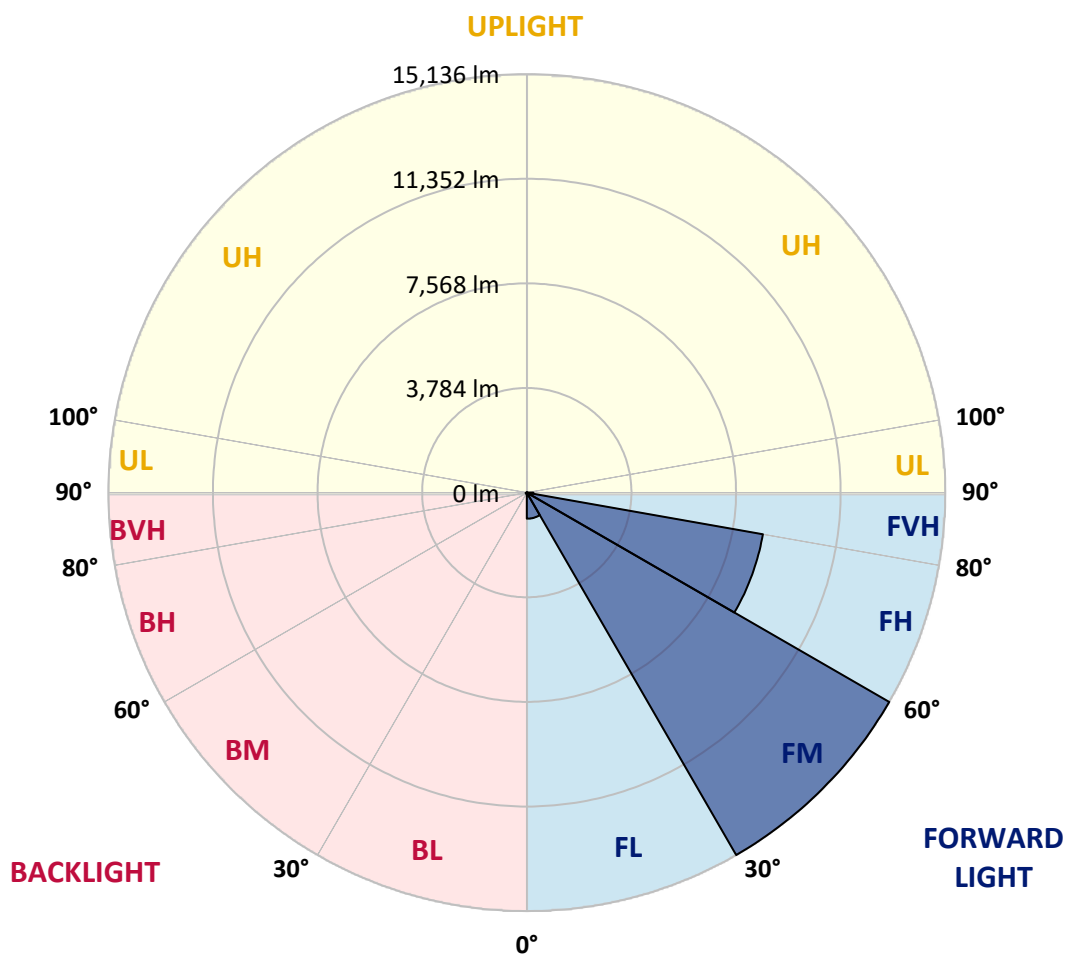
CATALOG NUMBER: GALN-SA5C-727-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	942.5	3.8			
FM	(30°-60°)	15136.4	60.3			
FH	(60°-80°)	8671.3	34.6			G4/12000
FVH	(80°-90°)	239.7	1.0			G3/500
BL	(0°-30°)	24.0	0.1	B0/110		
BM	(30°-60°)	40.8	0.2	B0/220		
BH	(60°-80°)	37.8	0.2	B0/110		G0/110
BVH	(80°-90°)	4.5	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-G4

Type II Short



REPORT NUMBER: P1047715

CATALOG NUMBER: GALN-SA5C-727-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7
2.5°	186.5	188.2	184.7	177.8	172.6	172.6	170.9	165.7	165.7	160.6	157.1
5°	260.7	257.2	250.3	236.5	224.4	212.3	200.3	188.2	186.5	170.9	160.6
7.5°	426.4	429.9	407.4	364.3	328.0	281.4	238.2	212.3	208.9	183.0	162.3
10°	935.7	909.8	858.0	690.6	568.0	428.2	317.7	246.9	243.4	196.8	165.7
12.5°	1705.7	1685.0	1590.0	1417.4	1101.5	766.5	464.4	305.6	295.2	208.9	167.5
15°	2458.4	2425.6	2373.8	2199.5	1830.0	1374.2	759.6	417.8	390.2	226.2	165.7
17.5°	2938.4	2943.5	2896.9	2822.7	2584.4	2033.7	1312.1	623.2	569.7	257.2	162.3
20°	3357.9	3345.8	3371.7	3332.0	3164.5	2764.0	1909.4	987.5	896.0	307.3	164.0
22.5°	3841.3	3870.6	3889.6	3881.0	3696.3	3354.4	2587.9	1477.8	1362.1	398.8	169.2
25°	4488.7	4485.2	4487.0	4464.5	4285.0	3905.2	3268.1	2087.2	1969.8	547.3	181.3
27.5°	5167.2	5187.9	5196.5	5115.4	4880.6	4507.7	3898.2	2753.6	2615.5	785.5	196.8
30°	6094.2	6077.0	6037.3	5871.5	5586.7	5124.0	4519.8	3452.8	3307.8	1118.7	221.0
32.5°	7344.2	7325.2	7124.9	6758.9	6332.5	5766.2	5144.7	4153.8	3977.7	1534.8	253.8
35°	9403.8	9433.1	8941.1	7993.3	7228.5	6537.9	5837.0	4851.2	4695.9	2047.5	298.7
37.5°	12557.9	12397.4	11729.3	10054.6	8407.6	7501.3	6498.2	5555.6	5420.9	2679.4	357.4
40°	15622.3	15463.5	15270.1	13683.6	10456.9	8563.0	7423.6	6382.6	6208.2	3392.4	443.7
42.5°	18843.8	18755.8	18747.1	17550.7	14196.3	10232.5	8537.1	7351.1	7202.6	4174.5	585.3
45°	21126.1	21038.1	21222.8	21431.7	19289.2	13809.6	10475.9	8609.6	8393.8	5124.0	811.4
47.5°	21433.5	21436.9	21930.7	22585.0	23073.5	19342.8	13058.6	10277.4	10014.9	6482.7	1191.2
50°	20411.4	20451.1	21236.6	22407.1	23722.7	23985.1	17612.9	12697.8	12309.3	8093.4	1729.9
52.5°	18465.7	18510.6	19605.2	21530.1	23125.3	25100.4	22975.1	15864.0	15416.9	10103.0	2489.5
55°	16713.4	16741.1	17996.2	20428.7	22405.4	24494.4	26158.7	20092.0	19505.0	12575.2	3238.8
57.5°	14978.4	14914.5	15731.1	18515.8	22282.8	23750.3	26628.2	24910.5	24263.0	15277.1	3822.3
60°	12658.1	12551.0	13207.1	14978.4	20670.4	24238.9	25749.5	27576.0	27429.3	19038.9	4272.9
61°	11323.6	11278.7	11938.2	13457.4	19313.4	24114.6	25538.9	27688.3	27703.8	20818.8	4474.9
62.5°	8086.5	8214.3	9222.5	11197.5	16176.5	23308.3	25566.5	27341.2	27494.9	23184.0	4998.0
65°	3594.4	3799.8	4583.6	6190.9	9407.2	19389.4	25321.3	26579.9	26503.9	23833.2	6800.4
67.5°	2132.1	2163.2	2553.4	3508.1	4982.4	10429.3	22345.0	25573.4	25471.5	20748.1	8461.2
70°	1679.8	1695.3	1819.6	2201.2	2891.7	3994.9	12753.0	22125.7	22569.4	16823.9	8283.3
72.5°	1593.5	1590.0	1607.3	1674.6	1821.4	1981.9	4937.5	14707.3	15610.3	12116.0	6945.4
75°	1572.8	1565.9	1548.6	1522.7	1319.0	1167.1	1529.6	6505.1	7028.2	8278.2	5229.3
77.5°	1526.2	1527.9	1531.3	1460.5	1130.8	825.2	740.6	2087.2	2567.2	5253.5	3717.0
80°	1032.4	1047.9	1073.8	1046.2	1016.9	597.3	523.1	742.4	752.7	2948.7	2455.0
82.5°	523.1	523.1	511.0	455.8	393.6	388.4	416.1	538.6	545.5	1491.6	1155.0
85°	315.9	333.2	340.1	309.0	283.1	260.7	317.7	428.2	443.7	578.3	269.3
87.5°	70.8	72.5	79.4	105.3	153.7	208.9	295.2	391.9	398.8	371.2	32.8
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: GALN-SA5C-727-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7
2.5°	155.4	151.9	150.2	145.0	139.8	134.7	131.2	129.5	131.2	132.9	132.9
5°	153.7	148.5	139.8	131.2	124.3	117.4	110.5	108.8	108.8	110.5	110.5
7.5°	153.7	145.0	132.9	122.6	112.2	101.9	96.7	93.2	95.0	95.0	95.0
10°	153.7	143.3	127.8	112.2	100.1	88.0	79.4	76.0	76.0	76.0	76.0
12.5°	151.9	141.6	122.6	103.6	86.3	72.5	62.2	57.0	58.7	58.7	58.7
15°	148.5	136.4	115.7	88.0	69.1	55.2	44.9	39.7	41.4	44.9	46.6
17.5°	143.3	131.2	103.6	74.2	55.2	41.4	31.1	27.6	29.3	34.5	34.5
20°	141.6	126.0	91.5	60.4	41.4	29.3	20.7	17.3	19.0	25.9	27.6
22.5°	141.6	122.6	82.9	50.1	31.1	19.0	12.1	6.9	6.9	12.1	12.1
25°	143.3	120.8	76.0	41.4	22.4	13.8	6.9	3.5	6.9	19.0	22.4
27.5°	146.7	119.1	72.5	34.5	17.3	12.1	5.2	12.1	20.7	20.7	20.7
30°	150.2	115.7	67.3	29.3	15.5	8.6	8.6	17.3	17.3	20.7	22.4
32.5°	155.4	113.9	63.9	25.9	12.1	6.9	12.1	10.4	10.4	12.1	13.8
35°	165.7	115.7	60.4	25.9	12.1	8.6	10.4	5.2	3.5	3.5	3.5
37.5°	179.5	117.4	55.2	22.4	10.4	10.4	5.2	0.0	0.0	0.0	0.0
40°	202.0	122.6	51.8	20.7	8.6	8.6	1.7	0.0	0.0	0.0	0.0
42.5°	240.0	132.9	50.1	19.0	8.6	6.9	0.0	0.0	0.0	0.0	0.0
45°	315.9	157.1	46.6	17.3	8.6	3.5	0.0	0.0	0.0	0.0	0.0
47.5°	454.0	214.1	44.9	13.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	662.9	290.0	43.2	12.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	845.9	305.6	29.3	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	866.7	210.6	22.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	690.6	136.4	19.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	523.1	103.6	17.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	502.4	93.2	17.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	554.2	81.1	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	901.2	67.3	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1565.9	58.7	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1978.5	55.2	10.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1724.7	50.1	10.4	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	1037.6	43.2	10.4	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	543.8	32.8	10.4	8.6	5.2	1.7	0.0	0.0	0.0	0.0	0.0
80°	264.1	29.3	12.1	8.6	6.9	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	103.6	24.2	13.8	12.1	8.6	5.2	1.7	0.0	0.0	0.0	0.0
85°	46.6	20.7	15.5	13.8	12.1	6.9	1.7	0.0	0.0	0.0	0.0
87.5°	24.2	19.0	17.3	15.5	12.1	8.6	3.5	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

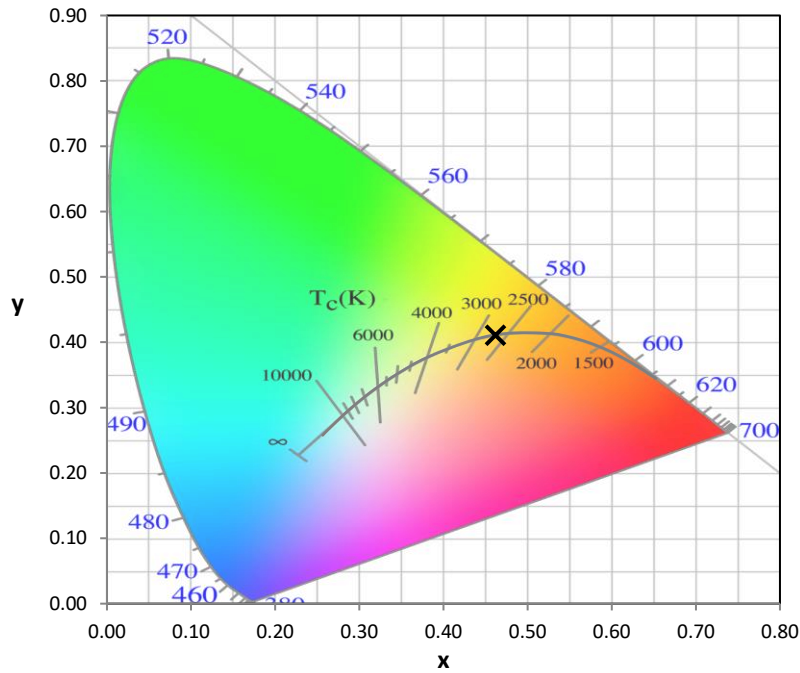
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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 2700K 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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



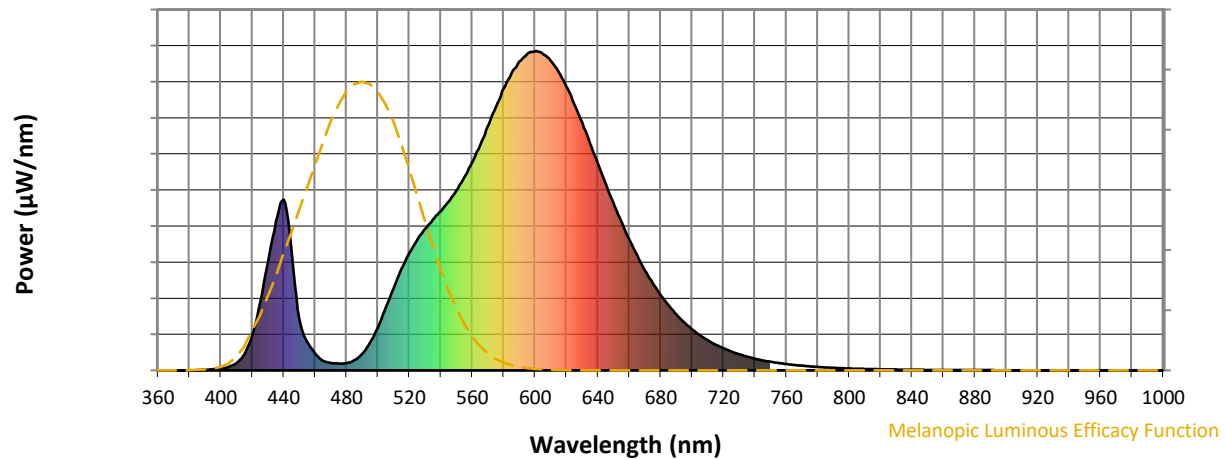
Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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TM-30-18

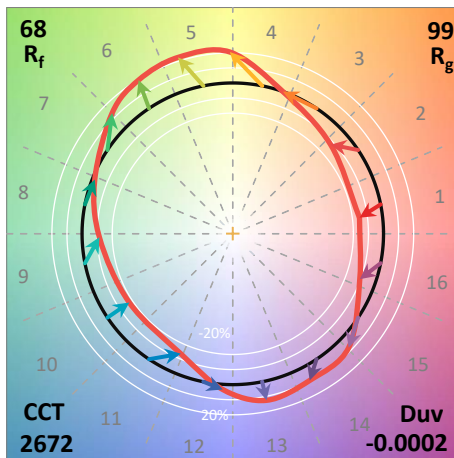
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



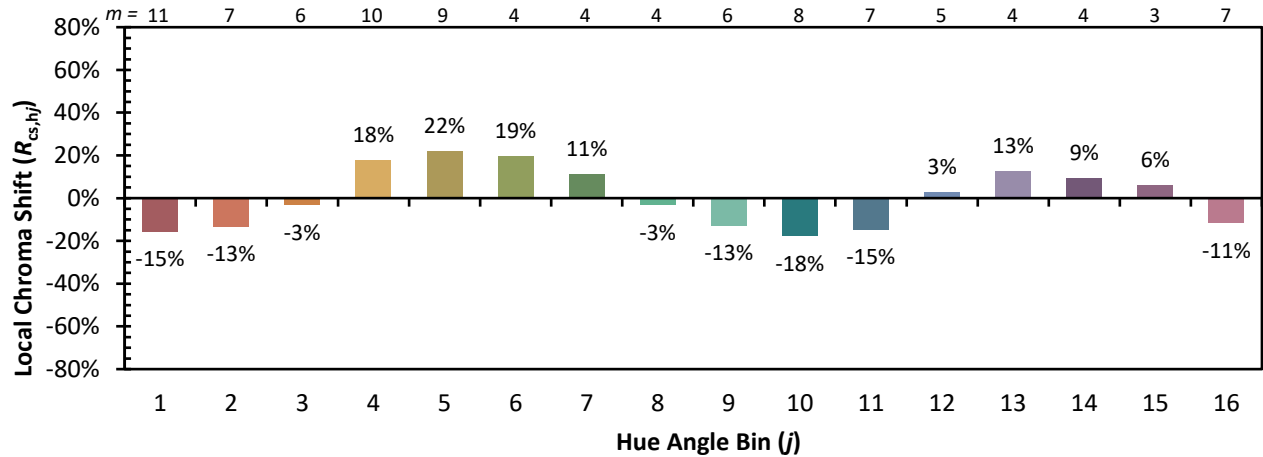
Color Vector Graphics



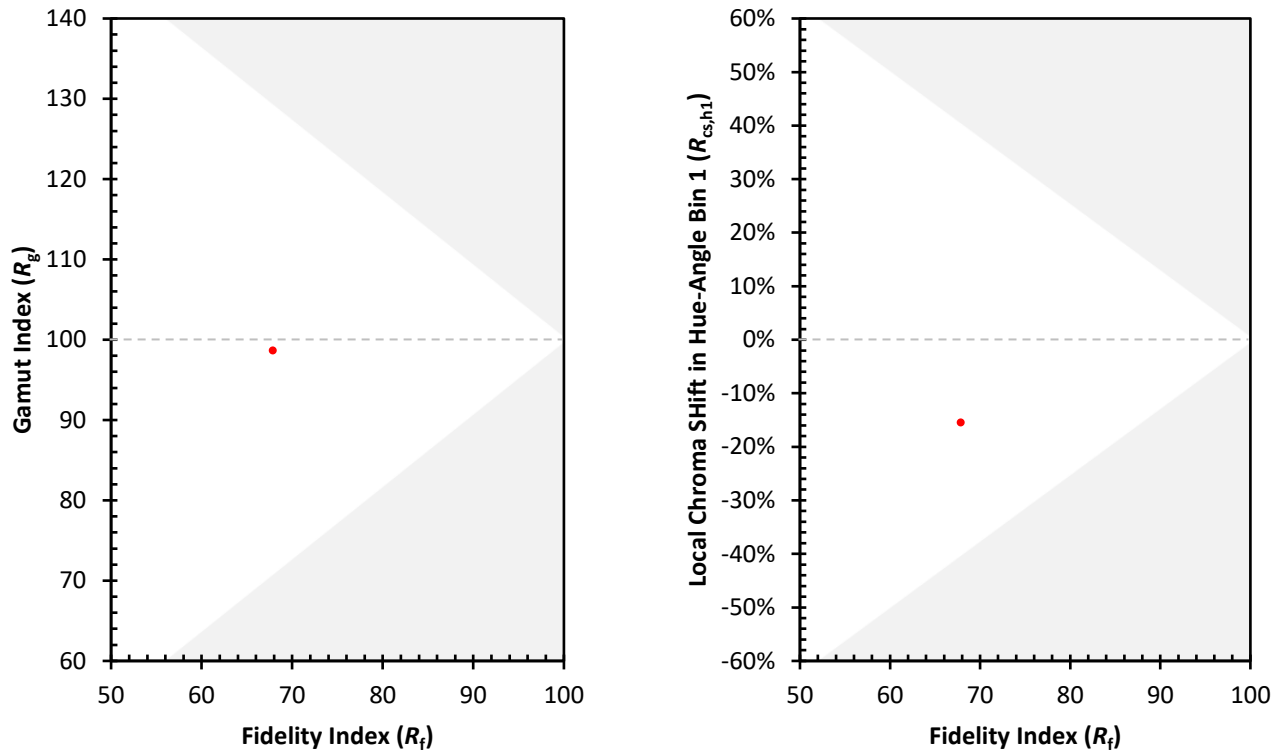
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)