

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: P1048537

Luminaire Tested: **GALN-SA4A-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048537
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13277.2 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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

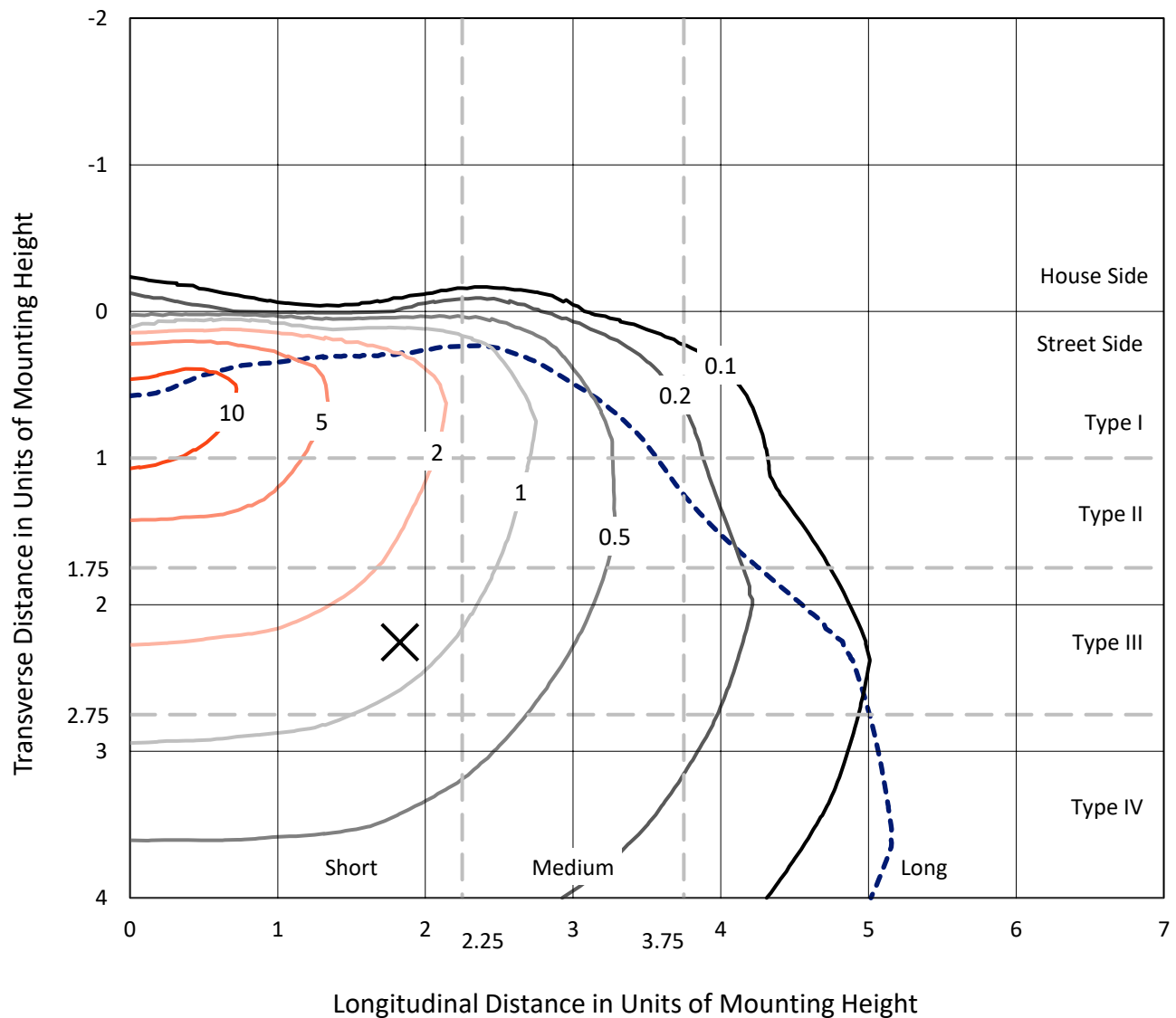


REPORT NUMBER: P1048537

CATALOG NUMBER: GALN-SA4A-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

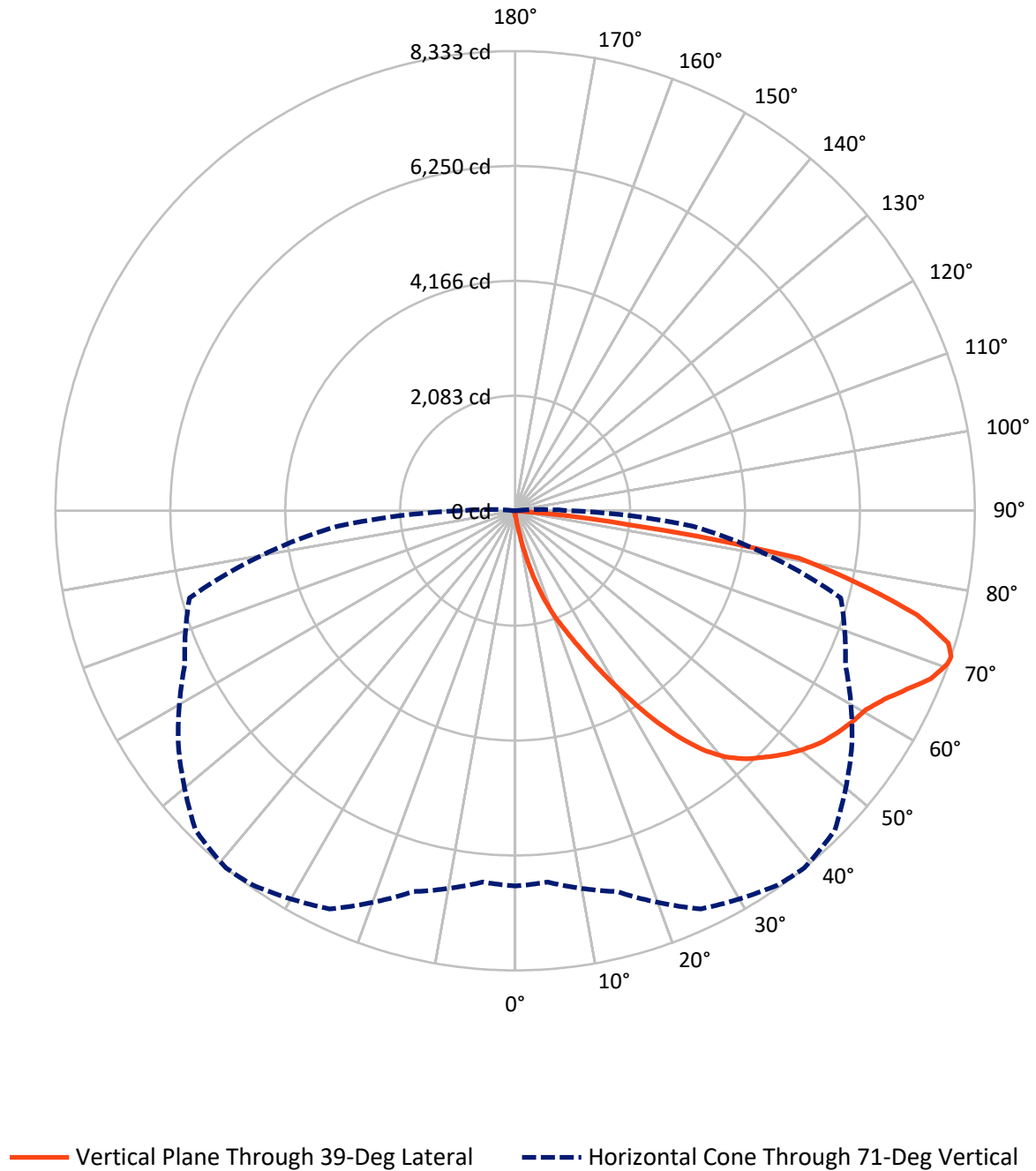


Based on 15 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048537

CATALOG NUMBER: GALN-SA4A-830-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048537

CATALOG NUMBER: GALN-SA4A-830-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.2	0.0	47.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13230.0	0.0	13230.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	13277.2	0.0	13277.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.1
10°-20°	141.9	1.1
20°-30°	505.4	3.8
30°-40°	1218.0	9.2
40°-50°	2038.4	15.4
50°-60°	2618.0	19.7
60°-70°	3313.2	25.0
70°-80°	2953.8	22.2
80°-90°	477.5	3.6
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°	13277.2	100.0
0°-180°	13277.2	100.0



REPORT NUMBER: P1048537

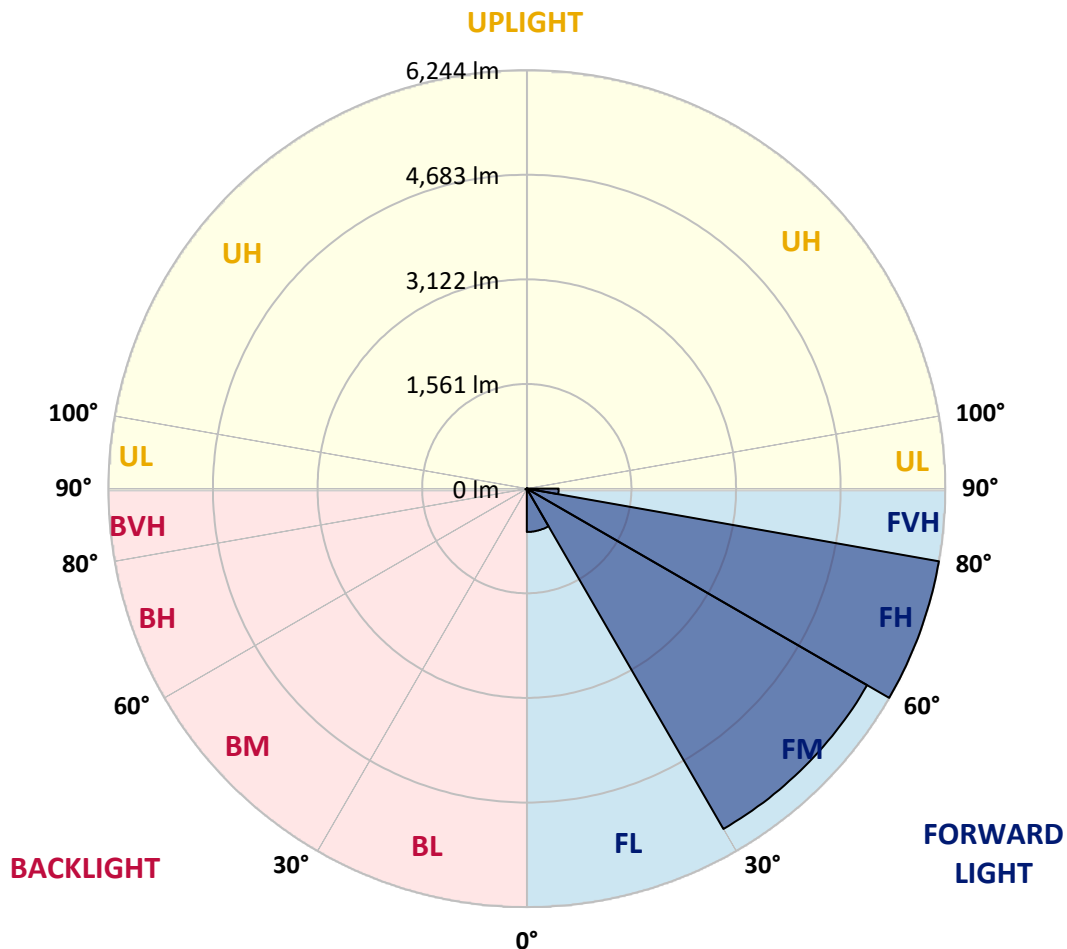
CATALOG NUMBER: GALN-SA4A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	647.0	4.9			
FM	(30°-60°)	5863.5	44.2			
FH	(60°-80°)	6244.3	47.0			G3/7500
FVH	(80°-90°)	475.3	3.6			G3/500
BL	(0°-30°)	11.4	0.1	B0/110		
BM	(30°-60°)	10.9	0.1	B0/220		
BH	(60°-80°)	22.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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-G3

Type IV Short



REPORT NUMBER: P1048537

CATALOG NUMBER: GALN-SA4A-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	83.6	83.6	83.6	80.9	80.9	80.0	79.1	79.1	77.3	76.4	74.6
5°	126.7	124.0	117.7	114.1	107.0	102.5	98.0	91.7	85.4	80.9	75.5
7.5°	286.7	293.0	272.3	233.7	194.1	177.1	148.3	119.5	98.9	85.4	76.4
10°	730.7	727.1	657.0	579.7	447.6	394.6	309.2	195.0	127.6	93.5	77.3
12.5°	1243.0	1239.4	1156.7	1051.6	877.2	766.7	604.9	364.0	183.4	106.1	77.3
15°	1673.6	1659.2	1633.1	1528.8	1324.8	1232.2	1018.3	643.5	296.6	127.6	79.1
17.5°	1958.5	1945.9	1921.6	1883.9	1754.4	1644.8	1473.1	1011.1	480.0	165.4	82.7
20°	2220.0	2211.0	2191.3	2184.1	2100.5	2042.1	1900.0	1433.6	747.8	224.7	88.1
22.5°	2579.5	2560.7	2568.8	2525.6	2443.8	2373.7	2286.5	1875.8	1075.0	323.6	98.0
25°	3019.9	3011.0	2988.5	2957.9	2844.7	2783.6	2649.6	2292.8	1440.8	453.0	108.8
27.5°	3552.0	3542.1	3536.8	3466.6	3336.3	3269.8	3082.9	2686.5	1852.4	634.5	123.1
30°	4165.0	4169.5	4134.4	4044.6	3892.7	3799.2	3606.9	3099.0	2273.9	847.6	138.4
32.5°	4799.6	4790.6	4736.6	4630.6	4494.9	4407.7	4163.2	3551.1	2716.2	1128.9	156.4
35°	5483.5	5466.5	5324.5	5203.1	5087.2	4977.5	4754.6	4076.0	3158.4	1444.4	180.7
37.5°	6173.8	6093.8	5808.9	5655.2	5575.2	5485.3	5277.7	4636.0	3597.9	1796.7	210.3
40°	6695.1	6633.1	6295.1	6012.0	5948.2	5871.8	5717.2	5119.5	4065.2	2175.1	246.3
42.5°	6983.6	6949.5	6645.7	6366.2	6216.1	6148.6	6016.5	5542.0	4527.2	2593.0	298.4
45°	7106.8	7053.7	6850.6	6720.3	6481.2	6369.7	6212.5	5861.0	5009.9	3067.6	371.2
47.5°	7069.0	7038.5	6892.8	6940.5	6767.0	6593.5	6362.6	6105.5	5422.4	3612.3	471.0
50°	6831.7	6805.7	6760.7	7018.7	6997.1	6792.2	6556.7	6298.7	5759.5	4174.0	625.6
52.5°	6380.5	6369.7	6484.8	6957.6	7127.4	6967.4	6743.6	6469.5	6074.0	4760.9	846.7
55°	5799.0	5843.1	6172.0	6862.3	7193.9	7096.9	6909.0	6629.5	6326.6	5285.8	1172.9
57.5°	5559.9	5571.6	5982.4	6794.9	7223.6	7211.0	7069.9	6782.3	6558.5	5705.5	1670.9
60°	5839.5	5821.5	6038.1	6846.1	7282.9	7313.5	7212.8	6924.3	6759.8	6066.0	2334.2
62.5°	6344.6	6334.7	6403.9	7064.5	7456.4	7518.4	7411.5	7026.8	6937.8	6303.2	3091.0
65°	6795.8	6775.1	6903.6	7451.9	7761.1	7805.1	7711.6	7202.0	7016.0	6475.8	3801.9
67.5°	6990.8	6986.3	7193.0	7820.4	8081.1	8128.7	8046.9	7443.8	6998.0	6530.6	4115.6
70°	6901.8	6884.8	7215.5	7976.8	8261.7	8315.6	8236.5	7533.7	6803.0	6357.2	3650.9
71°	6803.9	6758.0	7148.1	7966.0	8286.9	8332.7	8194.3	7451.9	6607.0	6110.9	3229.4
72.5°	6500.1	6508.2	6963.0	7853.7	8226.7	8213.2	7955.2	7158.9	6370.6	5551.8	2593.9
75°	5752.3	5799.9	6363.5	7381.8	7689.2	7517.5	7122.9	6598.9	5896.1	3980.8	1801.2
77.5°	4700.7	4771.7	5391.0	6474.0	6386.8	6369.7	6353.6	5814.3	5035.0	2138.2	1252.9
80°	2244.3	2398.0	3251.8	4621.6	5020.7	5213.9	5092.6	4685.4	3893.6	1018.3	748.7
82.5°	146.5	144.7	204.9	388.3	1636.7	2115.8	3361.5	3348.9	2714.4	496.1	305.6
85°	69.2	71.0	78.2	89.0	103.4	113.2	156.4	916.8	1298.8	236.4	66.5
87.5°	40.4	41.3	48.5	62.0	80.9	89.9	107.0	137.5	169.0	130.3	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048537

CATALOG NUMBER: GALN-SA4A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	73.7	72.8	70.1	67.4	64.7	62.9	62.0	62.9	62.9	63.8	63.8
5°	73.7	71.0	66.5	61.1	57.5	53.9	52.1	51.2	52.1	52.1	52.1
7.5°	72.8	68.3	62.0	55.7	51.2	46.7	44.9	44.0	44.0	44.9	44.9
10°	71.0	66.5	58.4	51.2	45.8	40.4	37.7	35.1	35.1	35.1	36.0
12.5°	70.1	63.8	53.9	46.7	39.5	33.3	27.9	25.2	26.1	26.1	26.1
15°	68.3	61.1	51.2	42.2	33.3	25.2	20.7	18.0	18.9	19.8	18.9
17.5°	68.3	60.2	47.6	36.9	26.1	18.9	15.3	13.5	13.5	14.4	14.4
20°	68.3	58.4	44.9	31.5	19.8	14.4	10.8	9.9	9.9	11.7	12.6
22.5°	70.1	58.4	41.3	26.1	16.2	10.8	8.1	7.2	8.1	9.9	10.8
25°	72.8	57.5	37.7	23.4	13.5	8.1	6.3	4.5	5.4	7.2	8.1
27.5°	75.5	56.6	34.2	20.7	10.8	6.3	4.5	3.6	2.7	3.6	3.6
30°	78.2	56.6	30.6	17.1	9.0	4.5	2.7	1.8	0.9	0.0	0.0
32.5°	80.0	54.8	27.9	13.5	7.2	3.6	1.8	0.9	0.0	0.0	0.0
35°	81.8	53.0	24.3	10.8	5.4	2.7	0.9	0.0	0.0	0.0	0.0
37.5°	83.6	50.3	20.7	9.0	4.5	1.8	0.0	0.0	0.0	0.0	0.0
40°	85.4	46.7	17.1	8.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	87.2	44.0	14.4	6.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	91.7	42.2	11.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	99.8	40.4	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	111.5	38.6	9.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	127.6	37.7	9.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	156.4	36.9	8.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	205.8	36.0	8.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	315.5	34.2	8.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	563.5	33.3	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	982.4	34.2	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1408.4	36.0	6.3	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	1205.3	31.5	6.3	3.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0
71°	982.4	27.9	6.3	3.6	1.8	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	631.9	21.6	5.4	3.6	1.8	1.8	0.9	0.0	0.0	0.0	0.0
75°	266.9	18.0	5.4	3.6	2.7	1.8	1.8	0.9	0.0	0.0	0.0
77.5°	114.1	13.5	5.4	4.5	3.6	2.7	2.7	1.8	0.9	0.0	0.0
80°	43.1	10.8	6.3	5.4	4.5	4.5	3.6	1.8	0.9	0.0	0.0
82.5°	19.8	9.0	6.3	5.4	5.4	4.5	3.6	2.7	1.8	0.0	0.0
85°	12.6	8.1	6.3	5.4	5.4	4.5	4.5	2.7	1.8	0.0	0.0
87.5°	9.9	8.1	6.3	6.3	5.4	5.4	3.6	2.7	0.9	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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

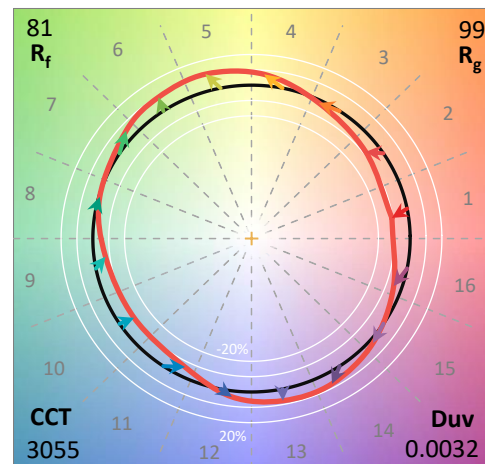
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

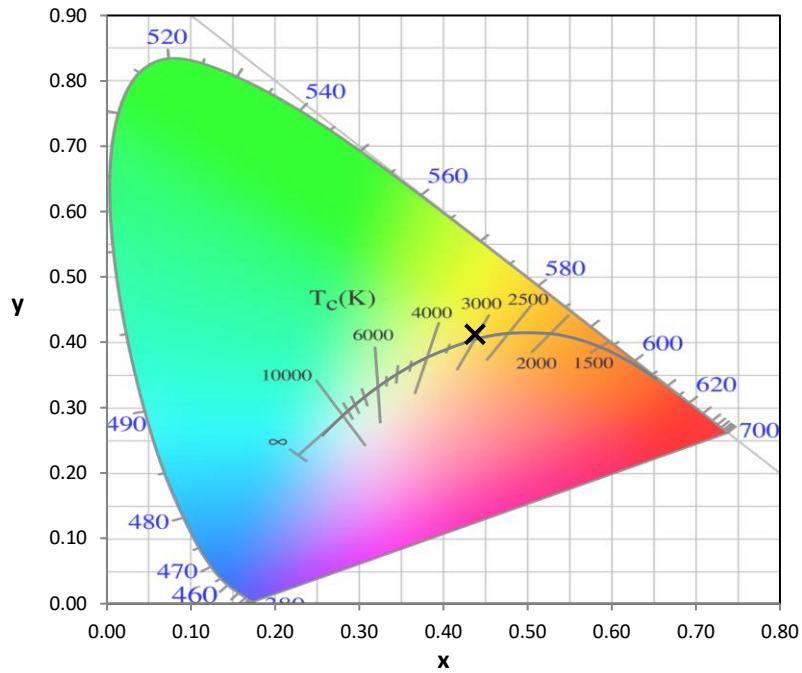
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

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

REPORT NUMBER: SP1-2407-184-9

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

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



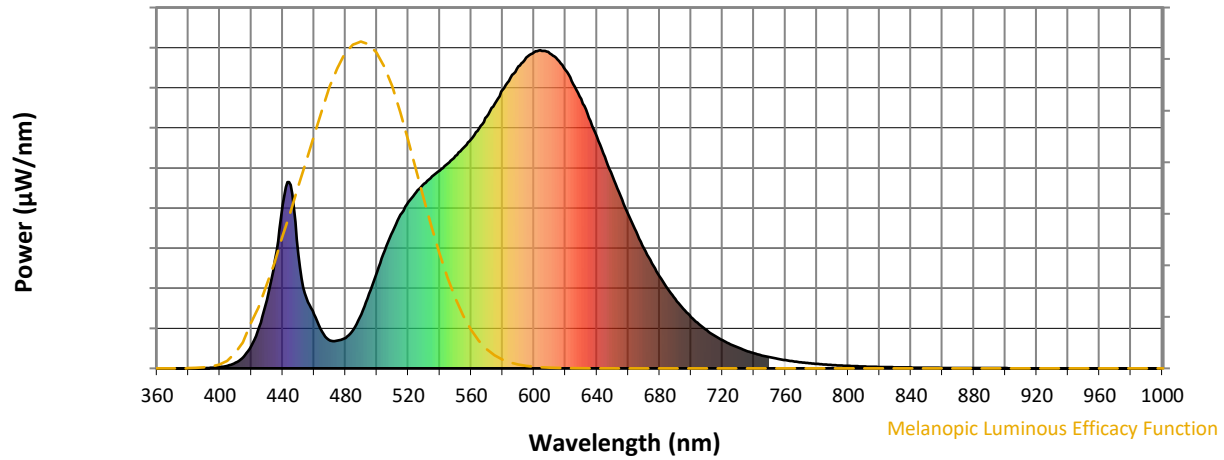
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

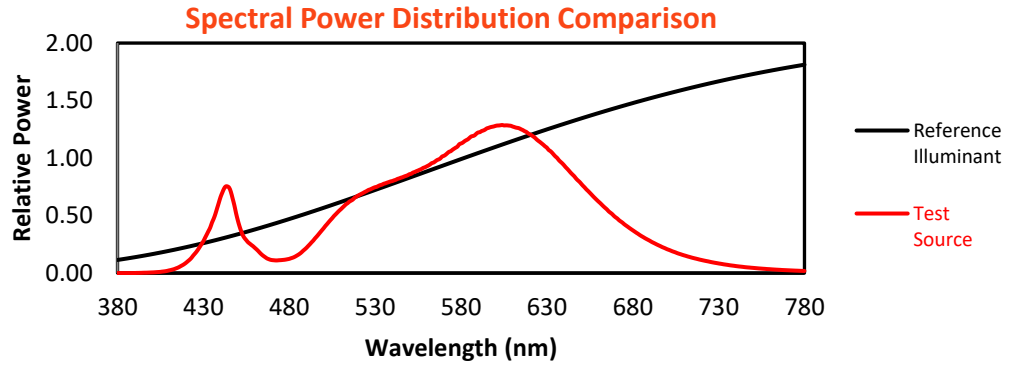
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

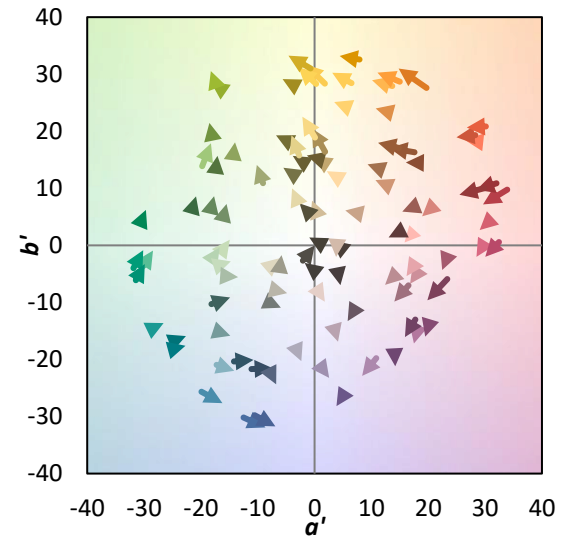
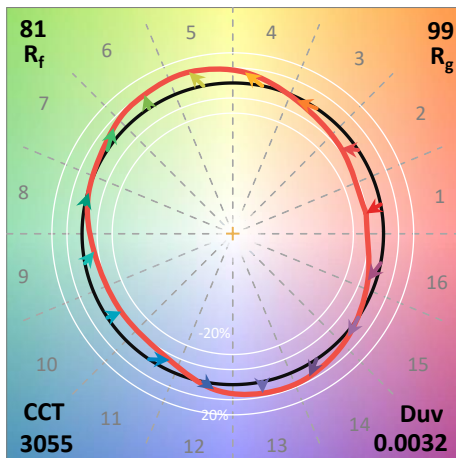
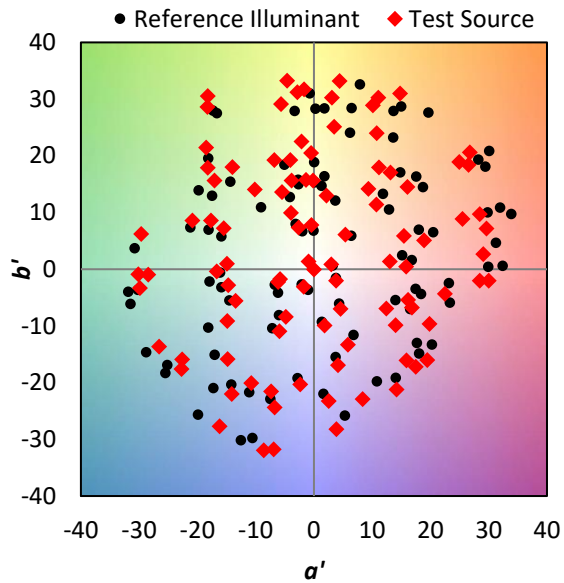
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$



Color Vector Graphics

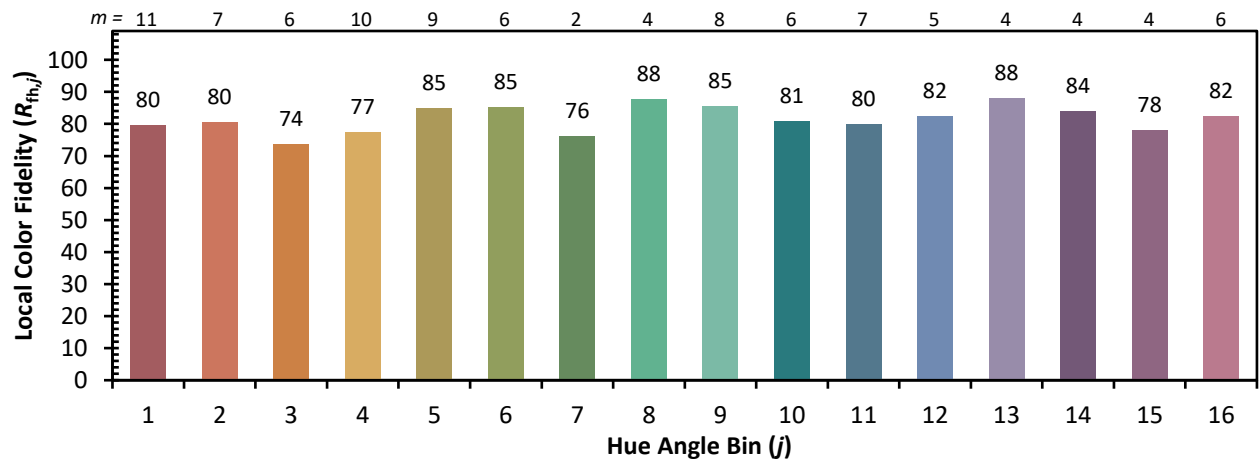


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)