

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: P1048613

Luminaire Tested: **GALN-SA5A-840-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048613
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-840-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16432.5 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 136.6
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

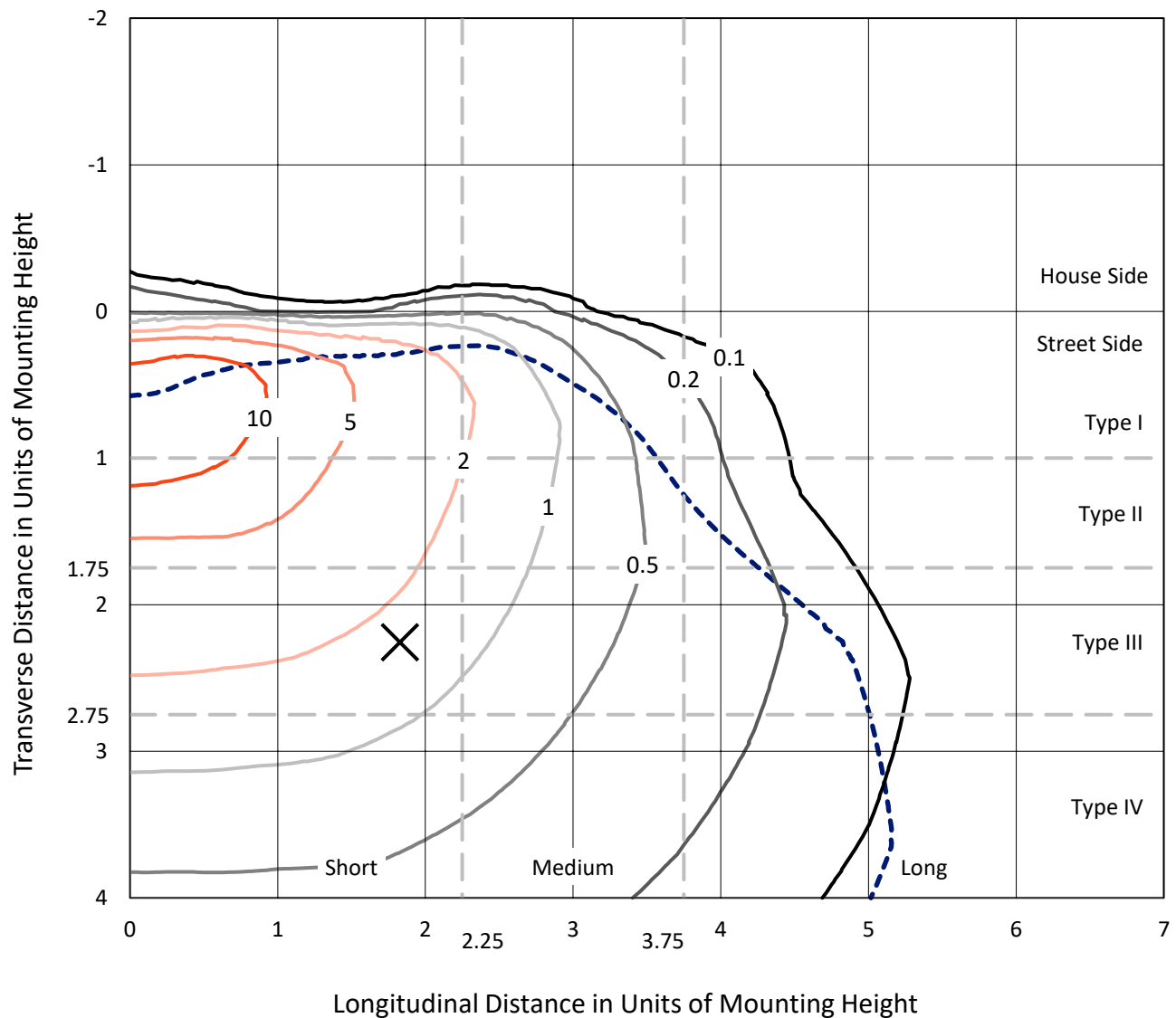


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

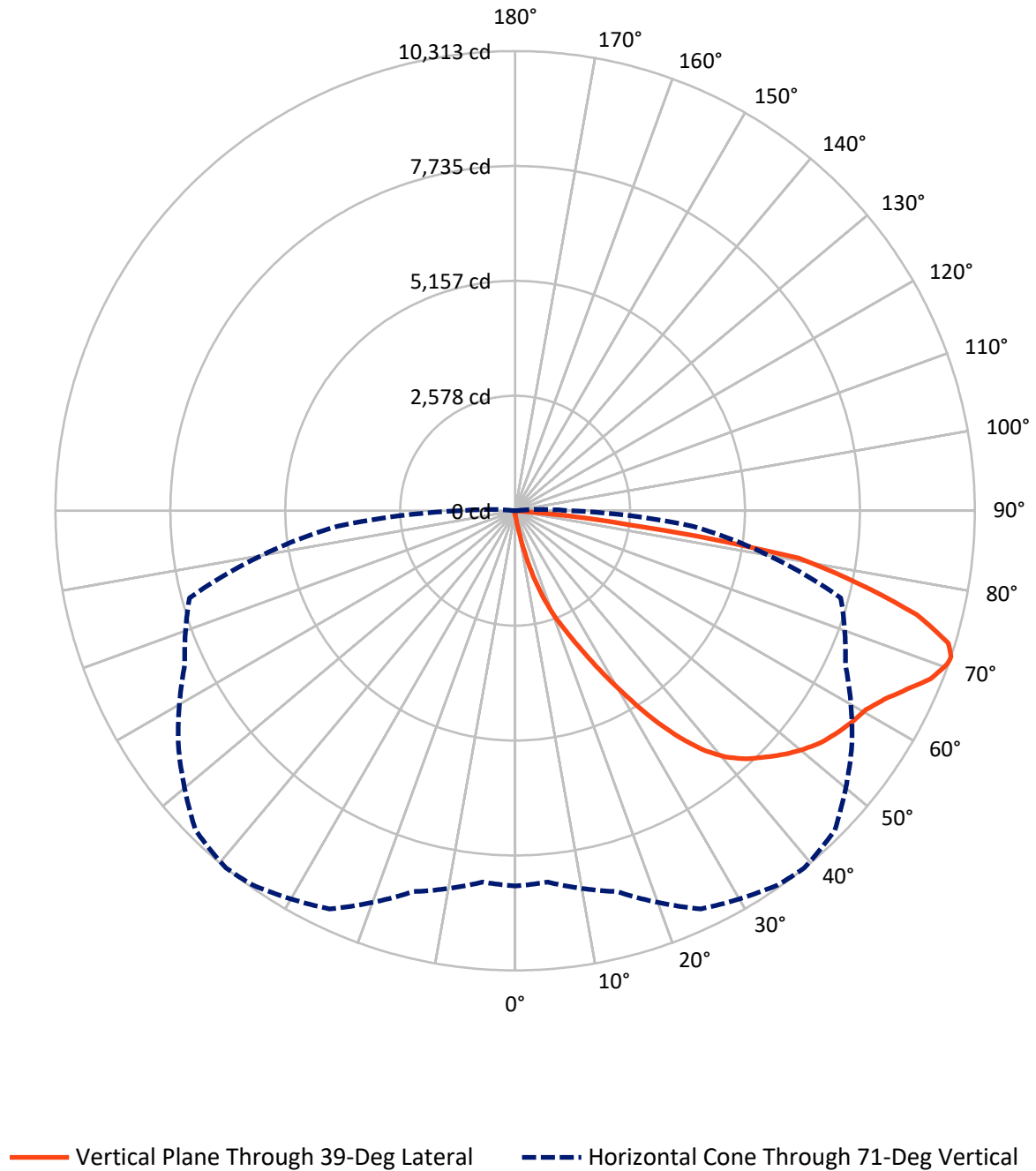


Based on 15 foot mounting height. Maximum calculated value = 16.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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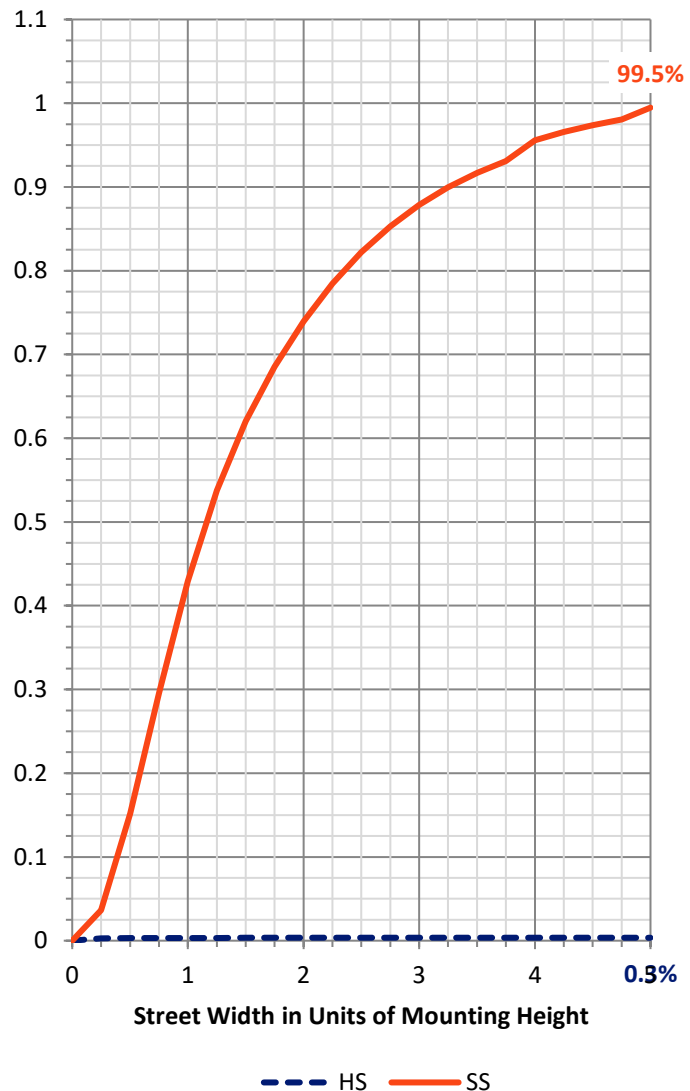
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	58.4	0.0	58.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16374.1	0.0	16374.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	16432.5	0.0	16432.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	175.6	1.1
20°-30°	625.5	3.8
30°-40°	1507.4	9.2
40°-50°	2522.8	15.4
50°-60°	3240.2	19.7
60°-70°	4100.5	25.0
70°-80°	3655.8	22.2
80°-90°	590.9	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°	16432.5	100.0
0°-180°	16432.5	100.0



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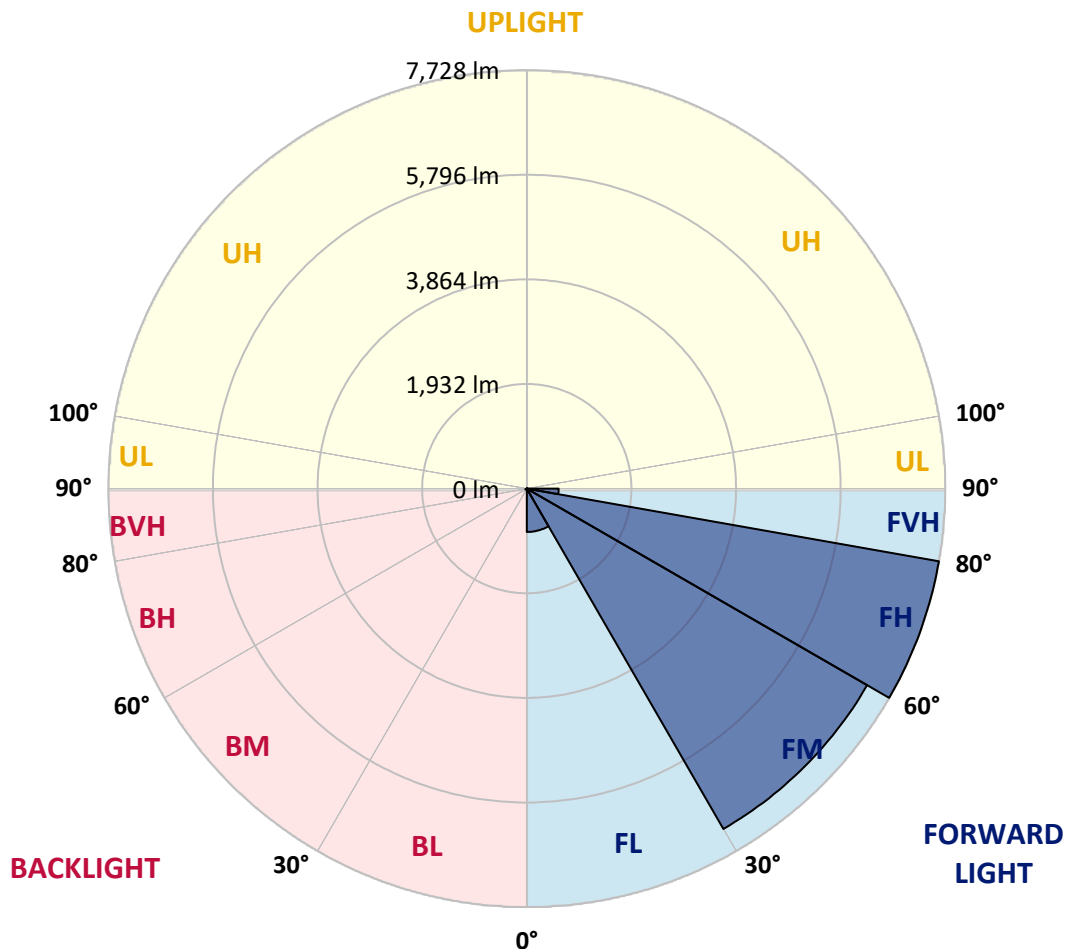
CATALOG NUMBER: GALN-SA5A-840-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	800.7	4.9			
FM	(30°-60°)	7256.9	44.2			
FH	(60°-80°)	7728.2	47.0			G4/12000
FVH	(80°-90°)	588.3	3.6			G4/750
BL	(0°-30°)	14.1	0.1	B0/110		
BM	(30°-60°)	13.5	0.1	B0/220		
BH	(60°-80°)	28.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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-G4

Type IV Short





REPORT NUMBER: P1048613

CATALOG NUMBER: GALN-SA5A-840-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	103.5	103.5	103.5	100.1	100.1	99.0	97.9	97.9	95.7	94.6	92.3
5°	156.8	153.5	145.7	141.3	132.4	126.8	121.3	113.5	105.7	100.1	93.4
7.5°	354.9	362.6	337.1	289.2	240.3	219.1	183.5	147.9	122.4	105.7	94.6
10°	904.4	899.9	813.2	717.5	554.0	488.3	382.7	241.4	158.0	115.7	95.7
12.5°	1538.4	1534.0	1431.7	1301.5	1085.7	948.9	748.6	450.5	226.9	131.3	95.7
15°	2071.3	2053.5	2021.2	1892.2	1639.7	1525.1	1260.3	796.5	367.1	158.0	97.9
17.5°	2423.9	2408.3	2378.3	2331.6	2171.4	2035.7	1823.2	1251.4	594.0	204.7	102.3
20°	2747.6	2736.5	2712.0	2703.1	2599.7	2527.4	2351.6	1774.3	925.5	278.1	109.0
22.5°	3192.6	3169.2	3179.2	3125.8	3024.6	2937.8	2829.9	2321.6	1330.4	400.5	121.3
25°	3737.6	3726.5	3698.7	3660.9	3520.7	3445.1	3279.3	2837.7	1783.2	560.6	134.6
27.5°	4396.2	4383.9	4377.3	4290.5	4129.2	4046.9	3815.5	3324.9	2292.6	785.4	152.4
30°	5154.8	5160.4	5117.0	5005.8	4817.8	4702.1	4464.0	3835.5	2814.4	1049.0	171.3
32.5°	5940.2	5929.1	5862.3	5731.1	5563.1	5455.2	5152.6	4395.1	3361.7	1397.2	193.6
35°	6786.7	6765.6	6589.8	6439.6	6296.1	6160.4	5884.6	5044.7	3909.0	1787.6	223.6
37.5°	7641.0	7542.0	7189.4	6999.2	6900.2	6788.9	6532.0	5737.7	4452.9	2223.7	260.3
40°	8286.2	8209.5	7791.2	7440.8	7361.8	7267.3	7075.9	6336.2	5031.4	2692.0	304.8
42.5°	8643.3	8601.0	8225.0	7879.1	7693.3	7609.9	7446.4	6859.0	5603.1	3209.3	369.3
45°	8795.7	8730.1	8478.7	8317.4	8021.5	7883.5	7688.9	7253.9	6200.5	3796.6	459.4
47.5°	8749.0	8711.2	8530.9	8589.9	8375.2	8160.5	7874.6	7556.5	6711.1	4470.7	582.9
50°	8455.3	8423.0	8367.4	8686.7	8660.0	8406.4	8114.9	7795.7	7128.2	5166.0	774.2
52.5°	7896.9	7883.5	8025.9	8611.0	8821.3	8623.3	8346.3	8007.0	7517.6	5892.4	1047.9
55°	7177.2	7231.7	7638.8	8493.1	8903.6	8783.5	8551.0	8205.0	7830.1	6542.0	1451.7
57.5°	6881.3	6895.7	7404.1	8409.7	8940.3	8924.7	8750.1	8394.1	8117.1	7061.5	2067.9
60°	7227.2	7205.0	7473.1	8473.1	9013.7	9051.5	8927.0	8569.9	8366.3	7507.5	2888.9
62.5°	7852.4	7840.2	7925.8	8743.4	9228.4	9305.2	9172.8	8696.7	8586.6	7801.2	3825.5
65°	8410.8	8385.2	8544.3	9222.9	9605.5	9660.0	9544.3	8913.6	8683.3	8014.8	4705.4
67.5°	8652.2	8646.6	8902.5	9678.9	10001.5	10060.5	9959.3	9212.8	8661.1	8082.7	5093.7
70°	8542.1	8520.9	8930.3	9872.5	10225.1	10291.9	10194.0	9324.1	8419.7	7868.0	4518.5
71°	8420.8	8364.1	8846.9	9859.1	10256.3	10313.0	10141.7	9222.9	8177.2	7563.2	3996.8
72.5°	8044.8	8054.8	8617.7	9720.1	10181.7	10165.1	9845.8	8860.2	7884.6	6871.3	3210.4
75°	7119.3	7178.3	7875.7	9136.1	9516.5	9304.1	8815.7	8167.2	7297.3	4926.8	2229.2
77.5°	5817.8	5905.7	6672.1	8012.6	7904.7	7883.5	7863.5	7196.1	6231.6	2646.4	1550.7
80°	2777.6	2967.9	4024.6	5719.9	6213.8	6453.0	6302.8	5798.9	4818.9	1260.3	926.6
82.5°	181.3	179.1	253.6	480.6	2025.7	2618.6	4160.4	4144.8	3359.4	614.0	378.2
85°	85.7	87.9	96.8	110.1	127.9	140.2	193.6	1134.6	1607.4	292.6	82.3
87.5°	50.1	51.2	60.1	76.8	100.1	111.2	132.4	170.2	209.1	161.3	17.8
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-SA5A-840-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	91.2	90.1	86.8	83.4	80.1	77.9	76.8	77.9	77.9	79.0	79.0
5°	91.2	87.9	82.3	75.6	71.2	66.7	64.5	63.4	64.5	64.5	64.5
7.5°	90.1	84.5	76.8	69.0	63.4	57.8	55.6	54.5	54.5	55.6	55.6
10°	87.9	82.3	72.3	63.4	56.7	50.1	46.7	43.4	43.4	43.4	44.5
12.5°	86.8	79.0	66.7	57.8	48.9	41.2	34.5	31.1	32.3	32.3	32.3
15°	84.5	75.6	63.4	52.3	41.2	31.1	25.6	22.2	23.4	24.5	23.4
17.5°	84.5	74.5	59.0	45.6	32.3	23.4	18.9	16.7	16.7	17.8	17.8
20°	84.5	72.3	55.6	38.9	24.5	17.8	13.3	12.2	12.2	14.5	15.6
22.5°	86.8	72.3	51.2	32.3	20.0	13.3	10.0	8.9	10.0	12.2	13.3
25°	90.1	71.2	46.7	28.9	16.7	10.0	7.8	5.6	6.7	8.9	10.0
27.5°	93.4	70.1	42.3	25.6	13.3	7.8	5.6	4.4	3.3	4.4	4.4
30°	96.8	70.1	37.8	21.1	11.1	5.6	3.3	2.2	1.1	0.0	0.0
32.5°	99.0	67.9	34.5	16.7	8.9	4.4	2.2	1.1	0.0	0.0	0.0
35°	101.2	65.6	30.0	13.3	6.7	3.3	1.1	0.0	0.0	0.0	0.0
37.5°	103.5	62.3	25.6	11.1	5.6	2.2	0.0	0.0	0.0	0.0	0.0
40°	105.7	57.8	21.1	10.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	107.9	54.5	17.8	7.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	113.5	52.3	14.5	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	123.5	50.1	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	137.9	47.8	12.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	158.0	46.7	11.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	193.6	45.6	10.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	254.7	44.5	10.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	390.5	42.3	10.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	697.5	41.2	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1215.8	42.3	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1743.1	44.5	7.8	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1491.7	38.9	7.8	4.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
71°	1215.8	34.5	7.8	4.4	2.2	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	782.0	26.7	6.7	4.4	2.2	2.2	1.1	0.0	0.0	0.0	0.0
75°	330.4	22.2	6.7	4.4	3.3	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	141.3	16.7	6.7	5.6	4.4	3.3	3.3	2.2	1.1	0.0	0.0
80°	53.4	13.3	7.8	6.7	5.6	5.6	4.4	2.2	1.1	0.0	0.0
82.5°	24.5	11.1	7.8	6.7	6.7	5.6	4.4	3.3	2.2	0.0	0.0
85°	15.6	10.0	7.8	6.7	6.7	5.6	5.6	3.3	2.2	0.0	0.0
87.5°	12.2	10.0	7.8	7.8	6.7	6.7	4.4	3.3	1.1	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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

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 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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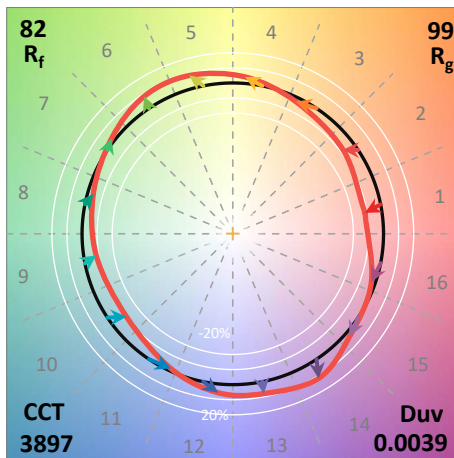
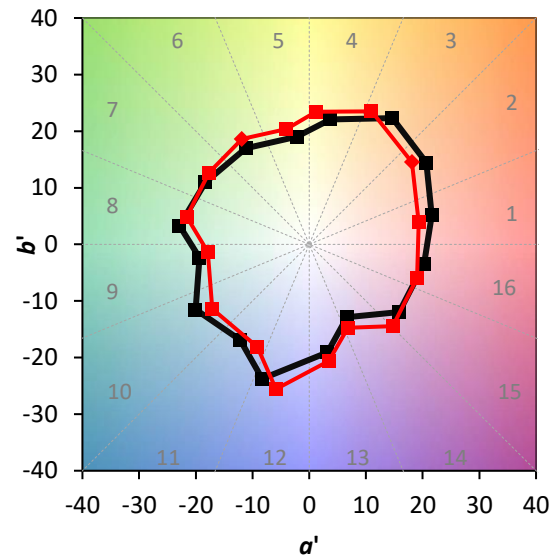
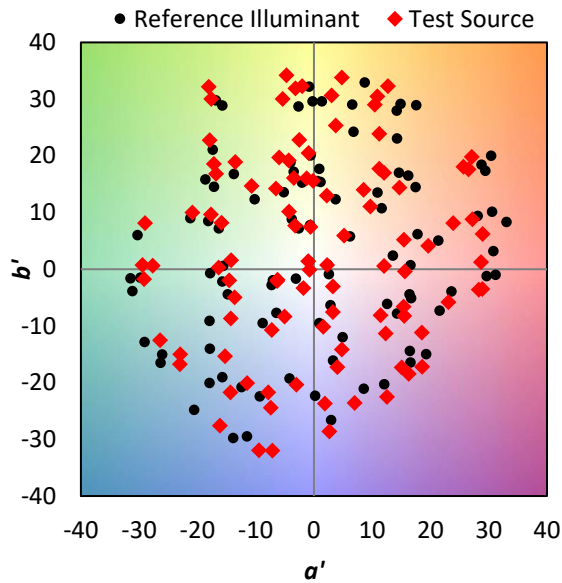
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$



Color Vector Graphics

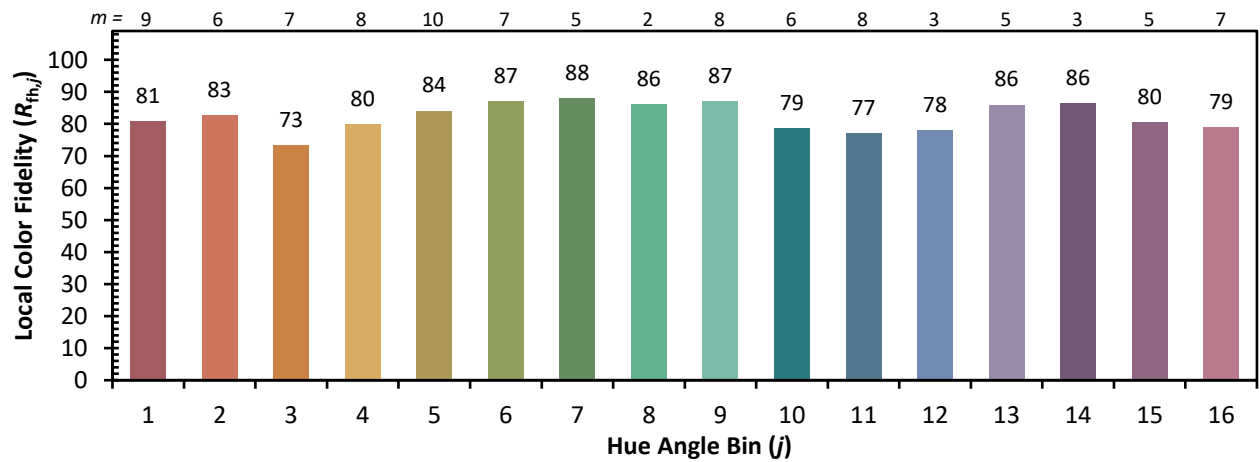
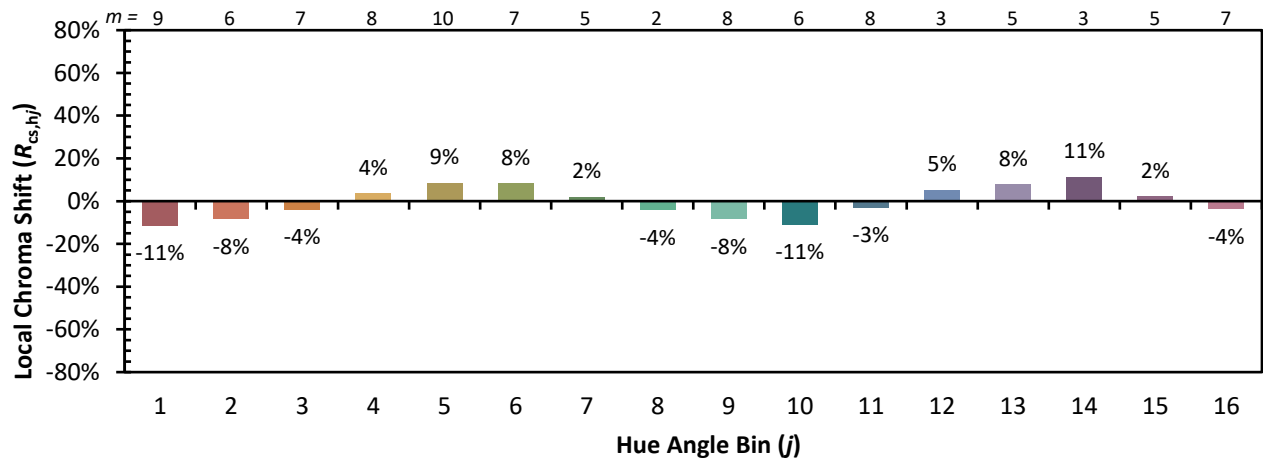


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)