

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: STREETWORKS

Report Number: P1066144

Luminaire Tested: **NVN-SA1D-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066144
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA1D-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4978.5 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.5
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



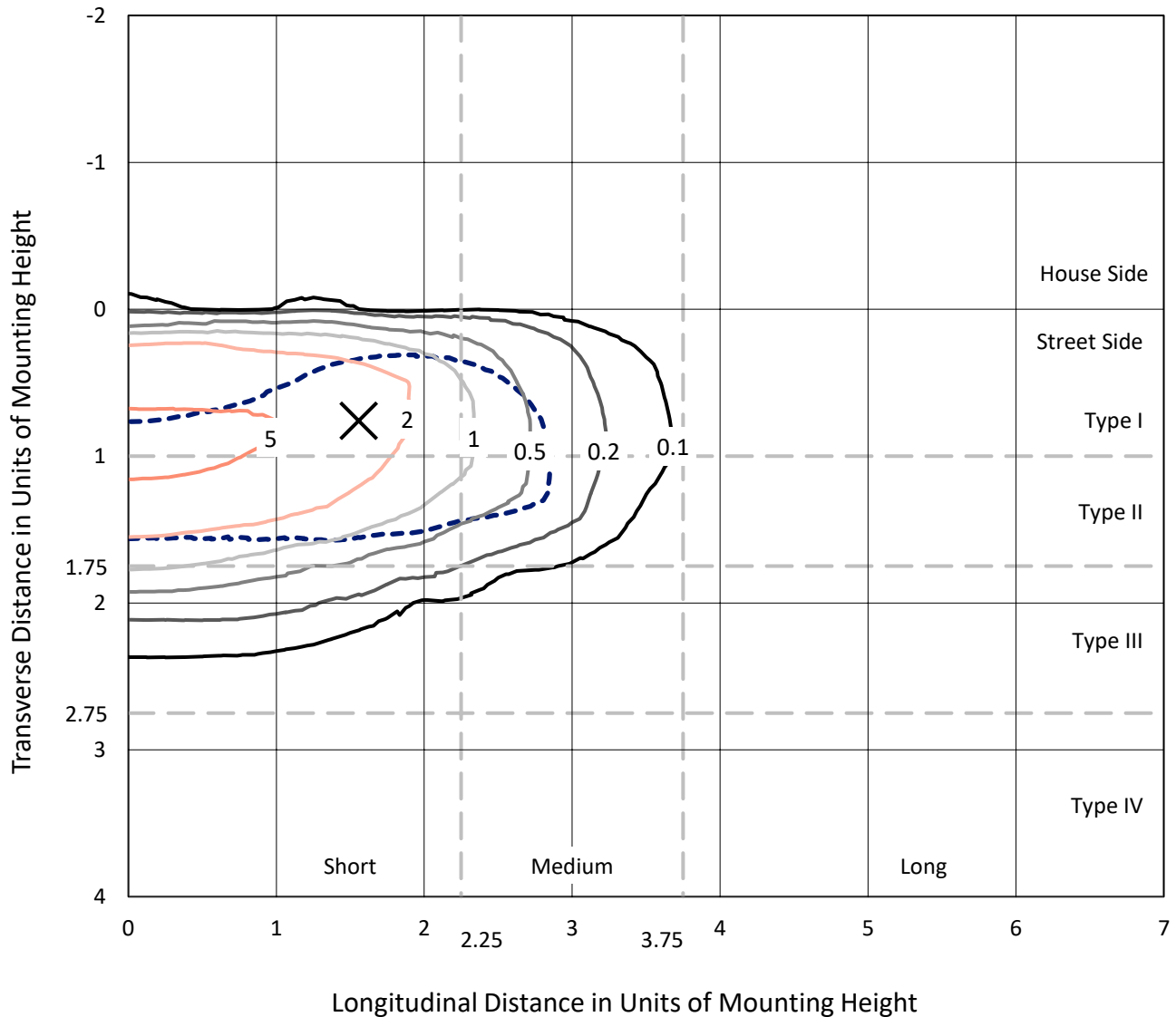
REPORT NUMBER: P1066144

CATALOG NUMBER: NVN-SA1D-830-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

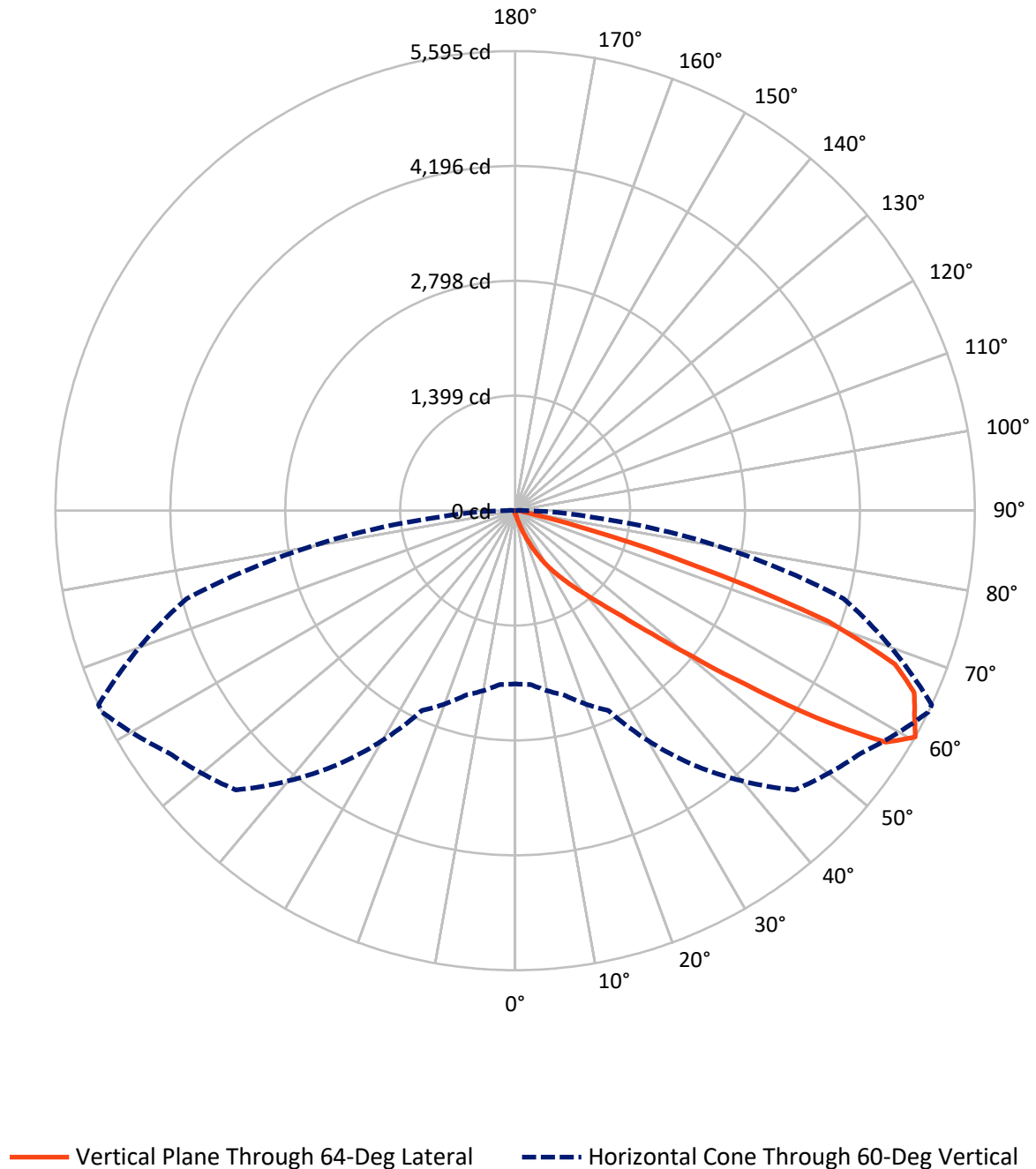


Based on 15 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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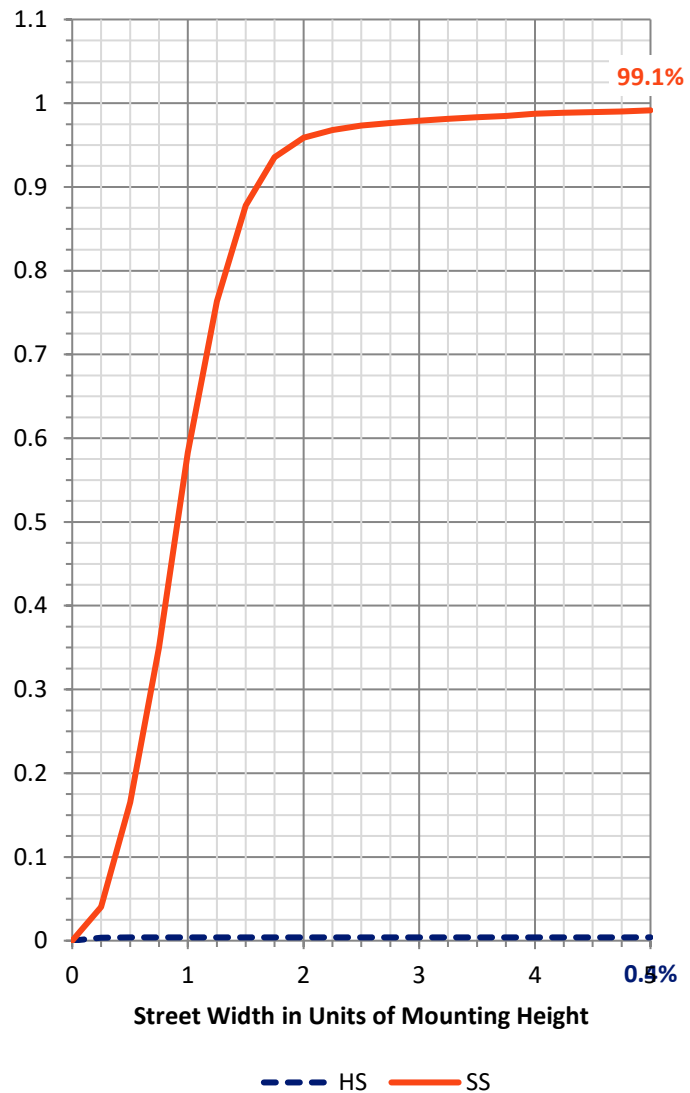
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20.2	0.0	20.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4958.3	0.0	4958.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	4978.5	0.0	4978.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	48.9	1.0
20°-30°	162.5	3.3
30°-40°	433.6	8.7
40°-50°	1102.0	22.1
50°-60°	1606.5	32.3
60°-70°	1240.9	24.9
70°-80°	340.8	6.8
80°-90°	38.5	0.8
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°	4978.5	100.0
0°-180°	4978.5	100.0



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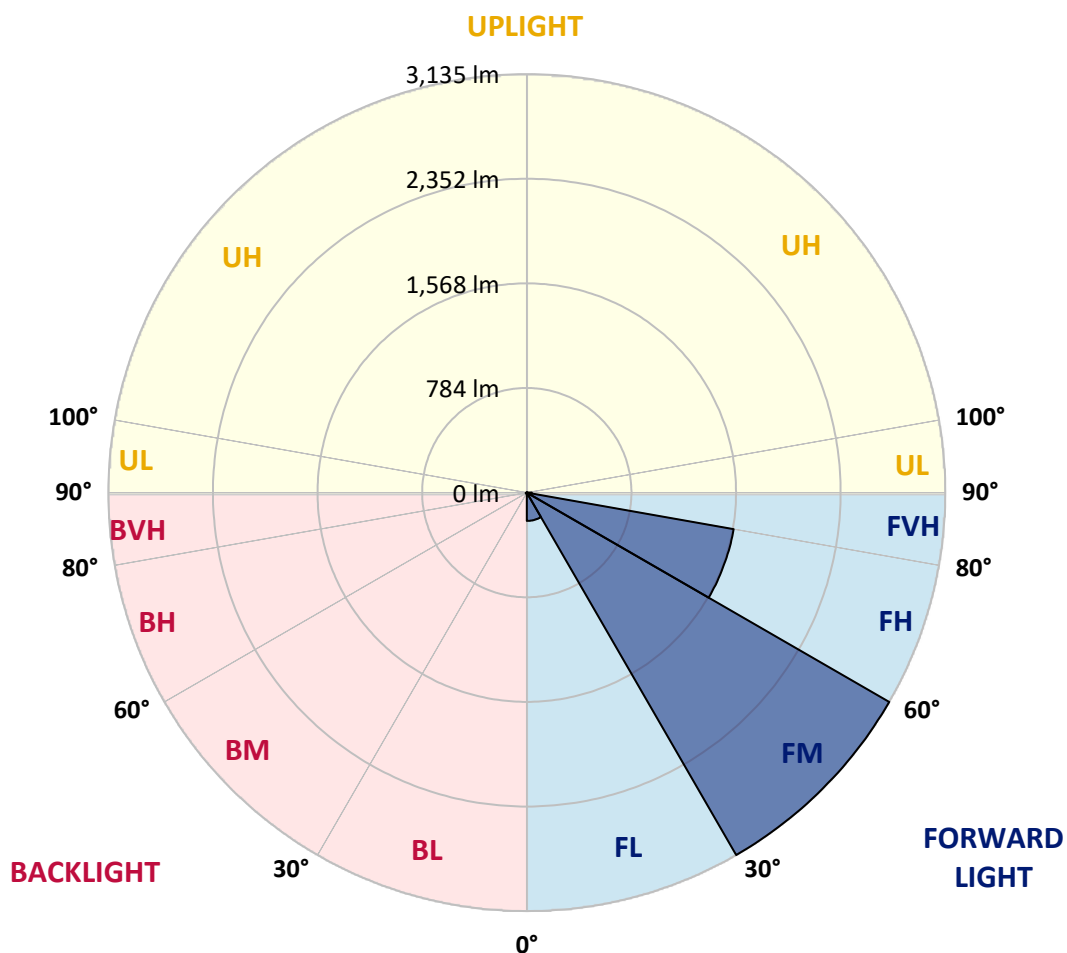
CATALOG NUMBER: NVN-SA1D-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.8	4.3			
FM	(30°-60°)	3135.4	63.0			
FH	(60°-80°)	1573.6	31.6			G1/1800
FVH	(80°-90°)	37.6	0.8			G1/100
BL	(0°-30°)	4.5	0.1	B0/110		
BM	(30°-60°)	6.7	0.1	B0/220		
BH	(60°-80°)	8.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1

Type II Short



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CATALOG NUMBER: NVN-SA1D-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
2.5°	43.9	43.9	43.9	42.5	41.1	41.1	39.7	38.4	38.4	35.6	34.3
5°	67.1	67.1	64.4	61.7	57.6	52.1	46.6	42.5	42.5	38.4	35.6
7.5°	131.6	135.7	123.3	108.3	87.7	74.0	58.9	49.3	48.0	41.1	35.6
10°	285.0	282.3	263.1	226.1	178.2	128.8	82.2	60.3	57.6	43.9	35.6
12.5°	428.9	433.0	412.5	371.4	313.8	228.9	141.2	78.1	75.4	48.0	35.6
15°	552.3	552.3	538.6	518.0	455.0	365.9	227.5	116.5	106.9	52.1	34.3
17.5°	637.2	635.9	630.4	624.9	587.9	496.1	348.1	186.4	164.4	61.7	34.3
20°	733.2	729.1	735.9	724.9	696.2	623.5	475.5	276.8	256.3	78.1	34.3
22.5°	833.2	837.3	842.8	831.8	800.3	737.3	609.8	393.3	371.4	108.3	35.6
25°	960.6	957.9	970.2	960.6	920.9	846.9	735.9	520.8	489.2	150.7	38.4
27.5°	1116.9	1111.4	1119.6	1094.9	1042.9	967.5	848.3	650.9	613.9	216.5	43.9
30°	1323.8	1327.9	1290.9	1262.1	1188.1	1088.1	973.0	790.7	752.3	294.6	49.3
32.5°	1650.0	1621.2	1563.6	1447.1	1349.8	1222.4	1097.7	912.7	878.4	394.7	57.6
35°	2158.4	2163.9	2037.8	1750.0	1539.0	1391.0	1234.7	1047.0	1022.3	508.4	68.5
37.5°	2777.8	2762.7	2651.7	2288.6	1815.8	1600.6	1391.0	1193.6	1158.0	631.8	82.2
40°	3479.4	3416.4	3352.0	3105.3	2392.7	1863.7	1588.3	1363.5	1336.1	774.3	104.2
42.5°	4041.3	4024.9	4035.8	3933.0	3354.7	2311.9	1850.0	1571.8	1539.0	951.1	142.5
45°	4318.1	4294.8	4360.6	4437.4	4289.3	3265.7	2272.1	1837.7	1793.9	1159.4	201.4
47.5°	4244.1	4227.7	4368.8	4519.6	4716.9	4371.6	2961.4	2235.1	2159.7	1426.6	289.2
50°	3879.6	3881.0	4112.6	4393.5	4705.9	4932.1	3982.4	2779.2	2684.6	1781.5	426.2
52.5°	3524.7	3535.6	3780.9	4190.7	4542.9	4997.8	4878.6	3512.3	3358.8	2199.5	587.9
55°	3160.1	3165.6	3382.1	3959.1	4466.1	4801.9	5339.1	4456.5	4293.5	2720.2	745.5
57.5°	2809.3	2809.3	2890.2	3402.7	4382.5	4784.1	5284.3	5319.9	5187.0	3315.0	862.0
60°	2110.4	2124.1	2325.6	2684.6	3779.6	4810.1	5144.5	5595.3	5595.3	4140.0	951.1
62.5°	1066.2	1086.7	1337.5	1687.0	2592.8	4451.1	5166.4	5456.9	5478.9	4867.7	1153.9
65°	500.2	523.5	657.8	904.5	1395.1	3132.7	4938.9	5339.1	5332.2	4729.2	1581.4
67.5°	359.0	365.9	411.1	527.6	751.0	1373.1	3770.0	4986.9	4989.6	4018.0	1818.5
70°	322.0	322.0	333.0	367.3	452.2	613.9	1832.2	4038.6	4234.5	3102.6	1685.6
72.5°	317.9	315.2	312.5	313.8	305.6	308.3	629.0	2280.3	2559.9	2170.7	1344.4
75°	309.7	309.7	307.0	297.4	243.9	198.7	216.5	922.3	1066.2	1449.9	997.7
77.5°	245.3	270.0	298.7	280.9	223.4	149.4	126.1	267.2	337.1	889.4	723.6
80°	113.7	115.1	113.7	119.2	142.5	106.9	93.2	130.2	131.6	493.3	448.1
82.5°	82.2	83.6	79.5	71.3	63.0	57.6	76.7	95.9	102.8	226.1	167.2
85°	24.7	23.3	27.4	37.0	43.9	50.7	64.4	80.9	85.0	83.6	24.7
87.5°	11.0	11.0	13.7	19.2	26.0	38.4	56.2	74.0	75.4	86.3	6.9
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: NVN-SA1D-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
2.5°	34.3	32.9	31.5	30.1	28.8	27.4	26.0	26.0	27.4	27.4	27.4
5°	32.9	31.5	28.8	26.0	24.7	23.3	21.9	21.9	23.3	23.3	23.3
7.5°	32.9	30.1	27.4	24.7	21.9	20.6	19.2	19.2	19.2	20.6	20.6
10°	32.9	30.1	26.0	21.9	19.2	17.8	16.4	15.1	16.4	16.4	16.4
12.5°	31.5	28.8	24.7	20.6	16.4	13.7	12.3	12.3	12.3	12.3	12.3
15°	30.1	27.4	23.3	17.8	13.7	11.0	8.2	8.2	8.2	9.6	9.6
17.5°	28.8	26.0	20.6	13.7	9.6	6.9	5.5	5.5	5.5	6.9	6.9
20°	28.8	24.7	17.8	11.0	6.9	4.1	2.7	2.7	2.7	4.1	5.5
22.5°	28.8	24.7	16.4	8.2	4.1	2.7	1.4	1.4	1.4	1.4	1.4
25°	28.8	23.3	15.1	6.9	2.7	1.4	0.0	0.0	1.4	2.7	4.1
27.5°	28.8	21.9	12.3	4.1	2.7	1.4	0.0	1.4	2.7	2.7	2.7
30°	28.8	21.9	11.0	4.1	1.4	0.0	0.0	1.4	2.7	2.7	4.1
32.5°	30.1	20.6	9.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	31.5	19.2	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	34.3	19.2	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	38.4	20.6	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	48.0	21.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	67.1	27.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	98.7	41.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	143.9	56.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	176.8	56.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	175.4	35.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	134.3	24.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	113.7	17.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	137.0	13.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	243.9	12.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	391.9	12.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	438.5	12.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	342.6	11.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	187.7	9.6	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	94.6	6.9	2.7	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.7	5.5	2.7	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	13.7	5.5	2.7	2.7	1.4	1.4	0.0	0.0	0.0	0.0	0.0
85°	6.9	4.1	4.1	2.7	2.7	1.4	1.4	0.0	0.0	0.0	0.0
87.5°	4.1	4.1	4.1	2.7	2.7	1.4	1.4	0.0	0.0	0.0	1.4
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

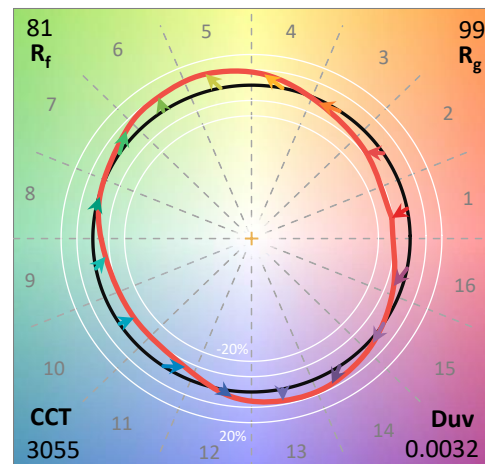
Test Information

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

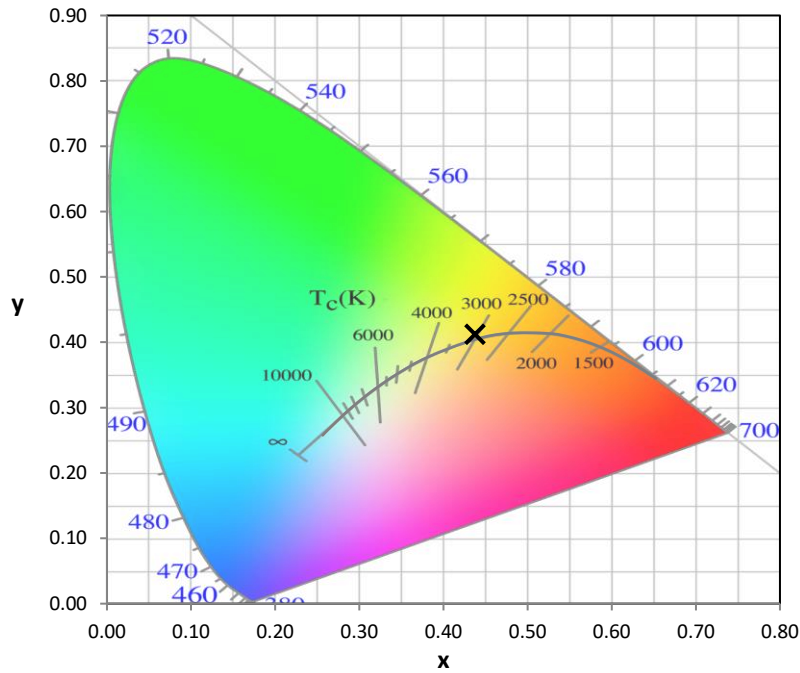
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

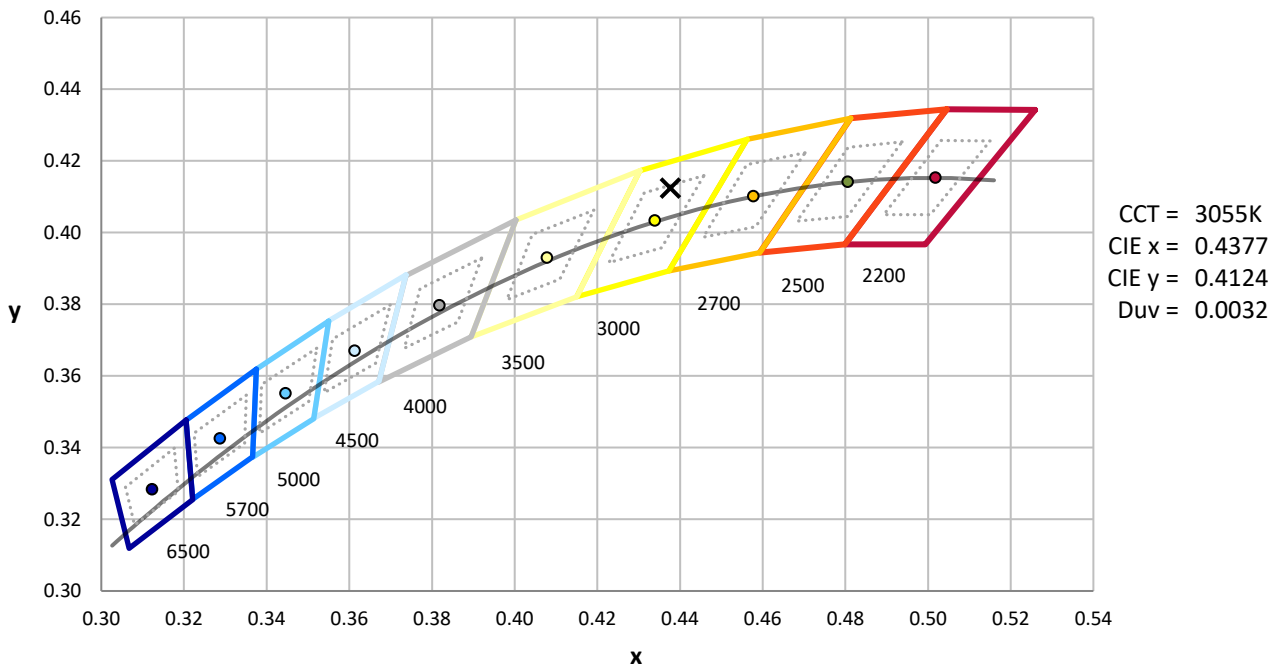
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



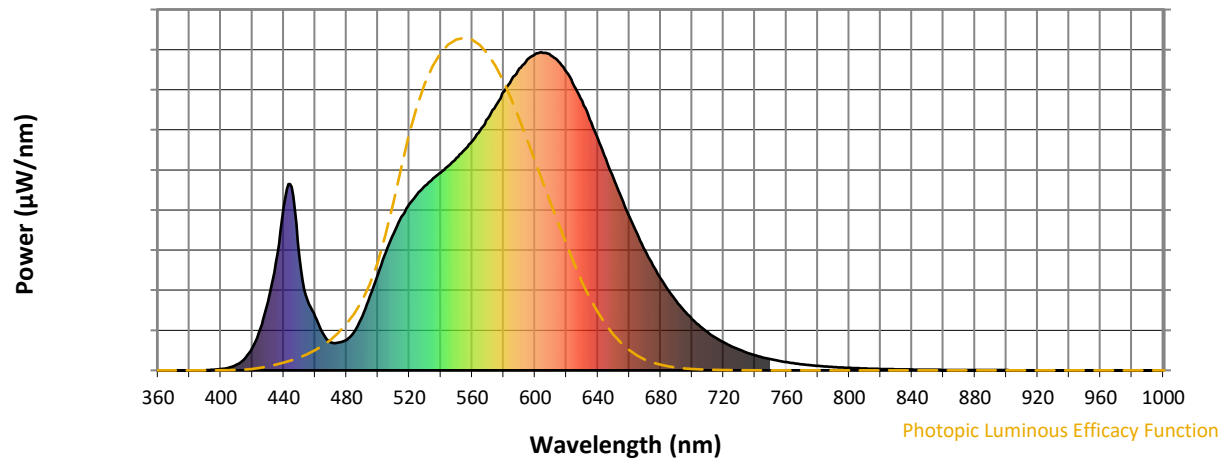
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

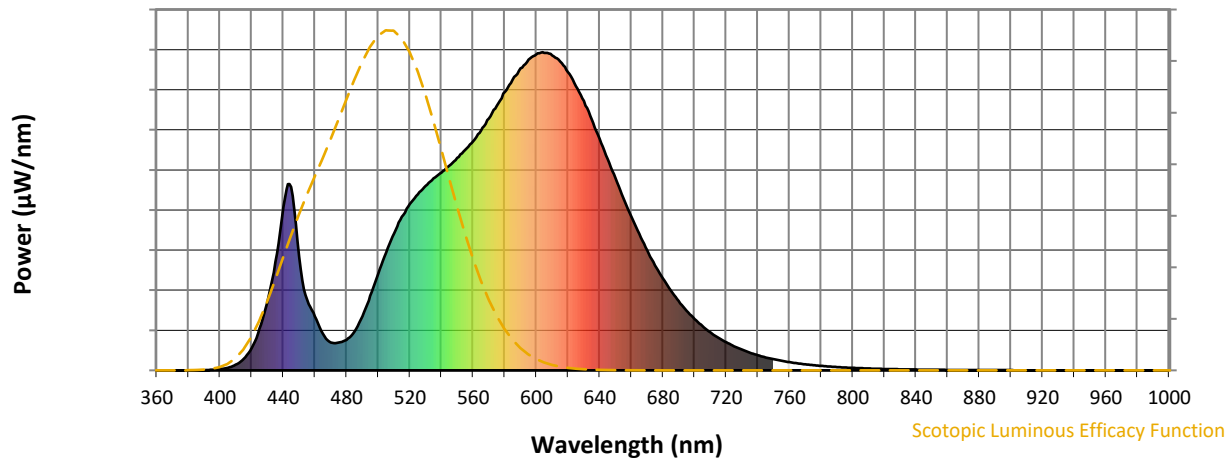


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	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

Scotopic Flux vs. Wavelength



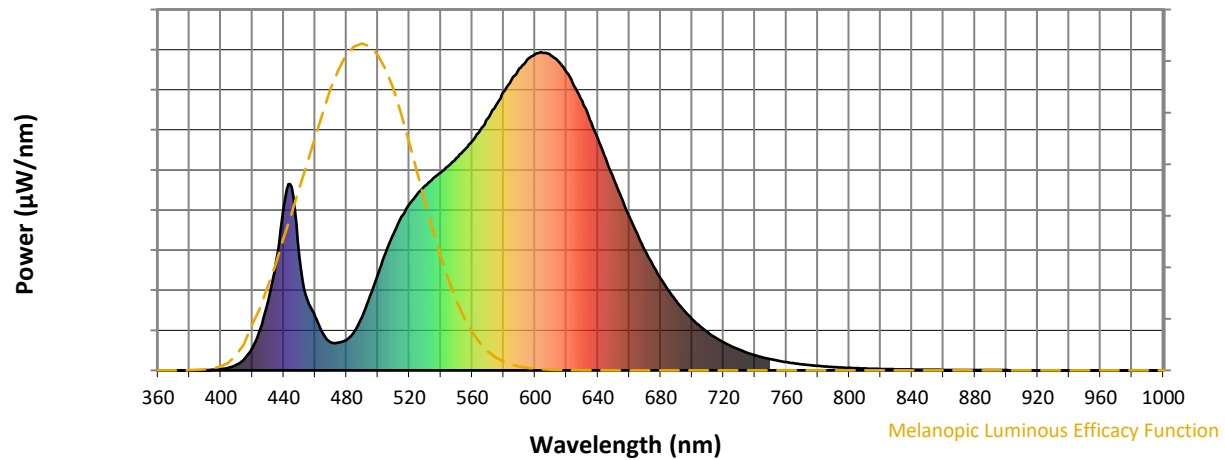
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

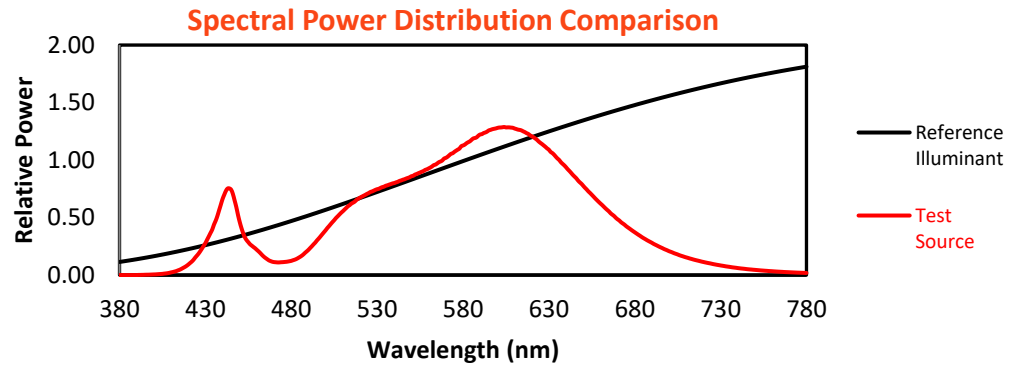
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	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			

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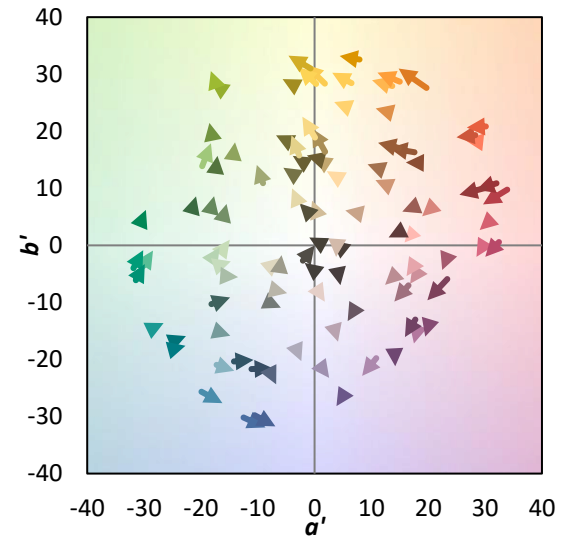
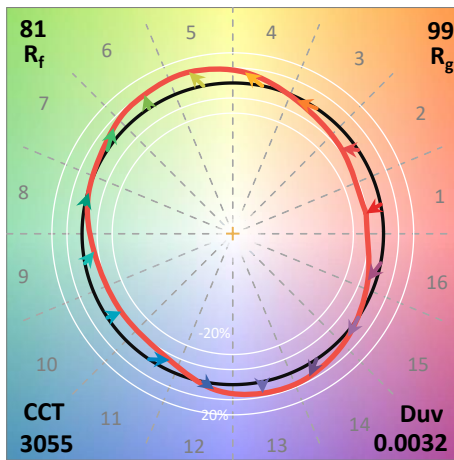
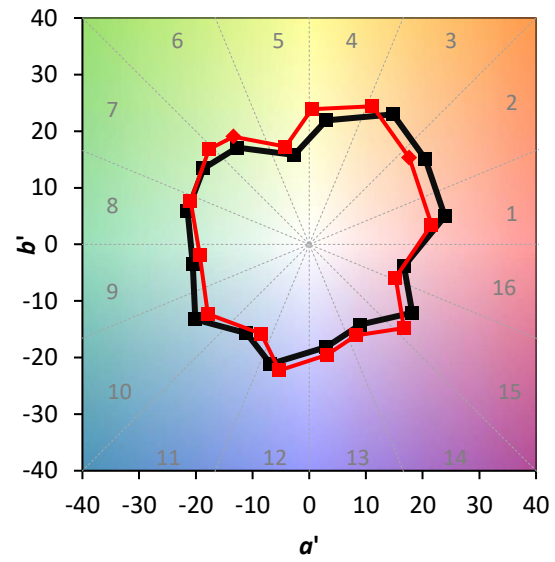
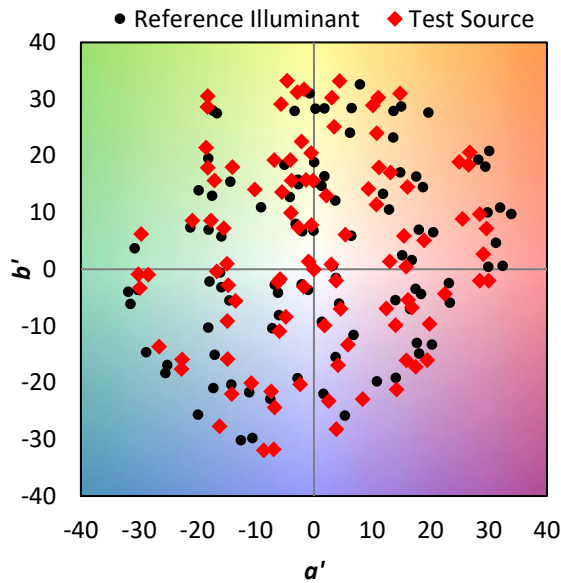
TM-30-18

Summary

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

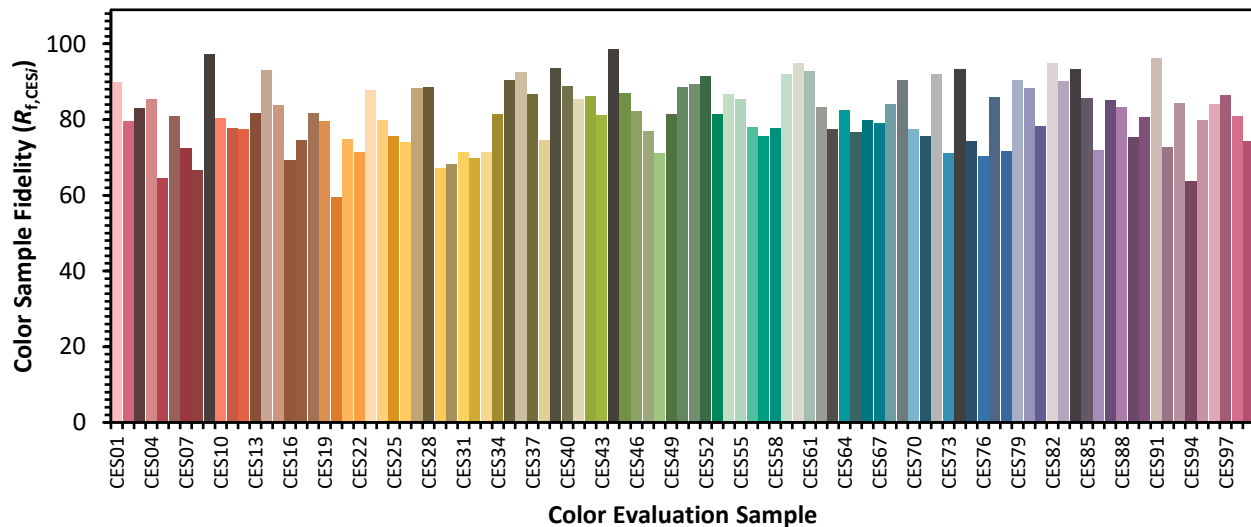


Color Vector Graphics

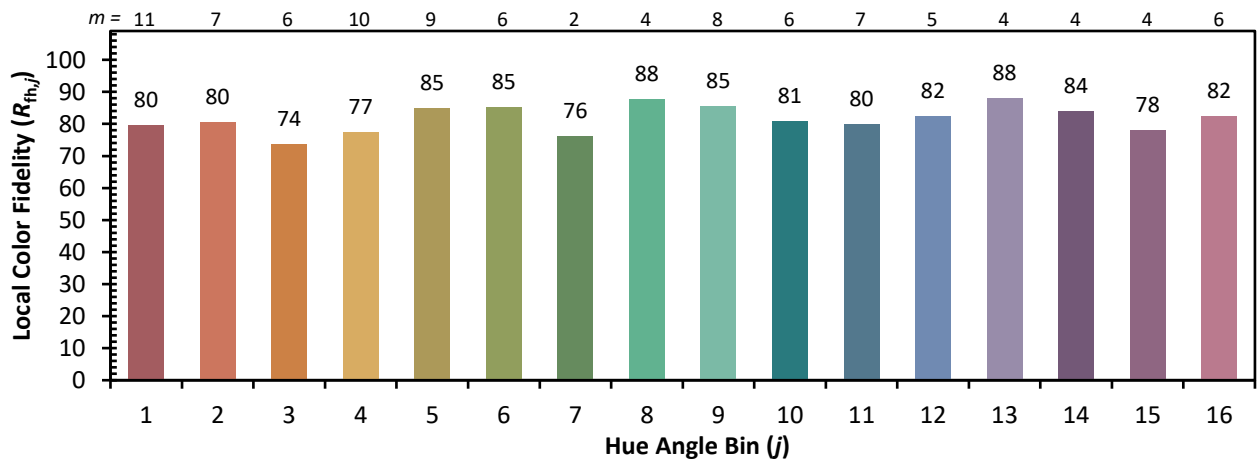
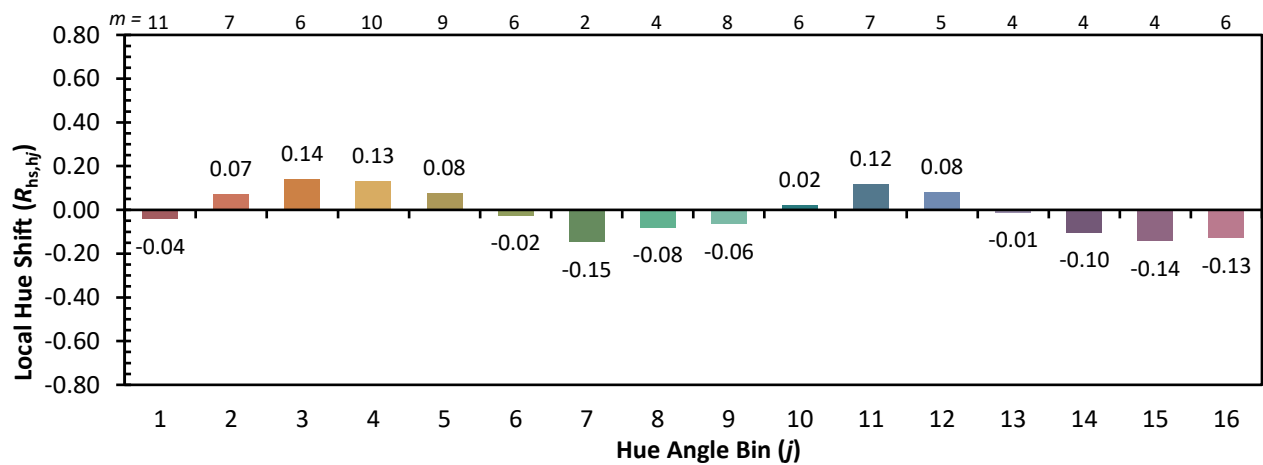
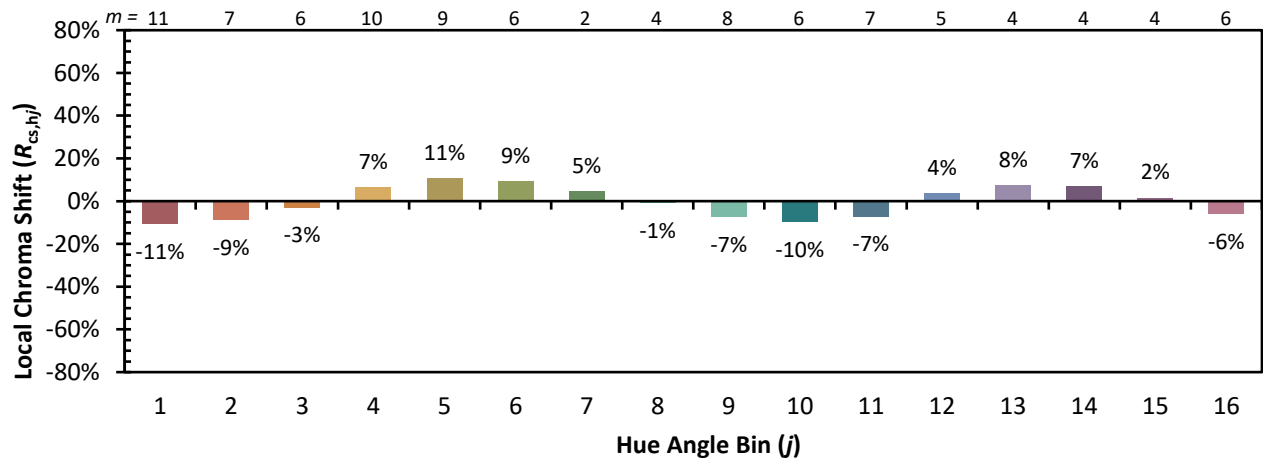


Individual Sample Fidelity Index ($R_{f,i}$)

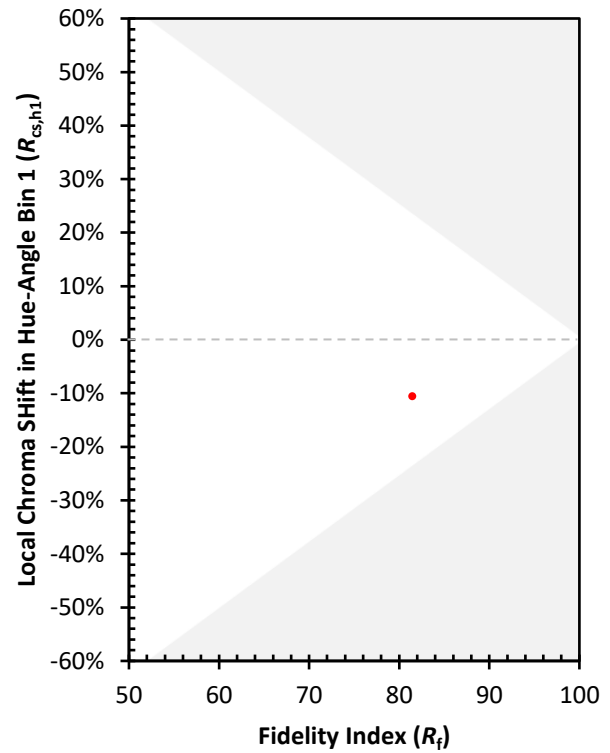
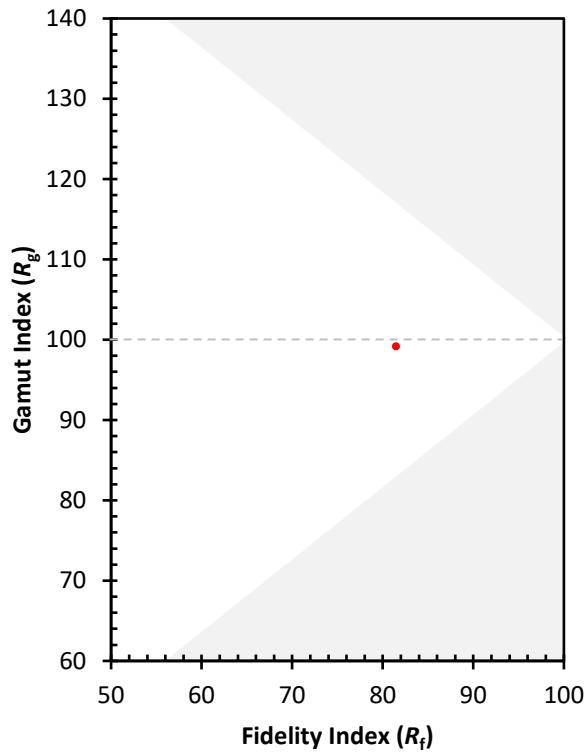
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)