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

Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

Brand: METALUX

Report Number: P895376

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC93-HI-3500K

Issue Date: 11/11/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P895376
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2410-248-1)
Test Lab:	INNOVATION CENTER
Issue Date:	11/11/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	8TMB-SC3-ASYMR-UNV-CC93-HI-3500K
Description:	Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 3500K CCT, HI lu setting
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10809.0 lumens
Efficiency:	N/A
Efficacy:	106.6 lumens/watt
Spacing Criteria (0/90/45):	1.18 / 1.28 / 1.25
Luminous Opening:	Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type:	Direct

Input Watts (W):	101.4
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.39961257980444
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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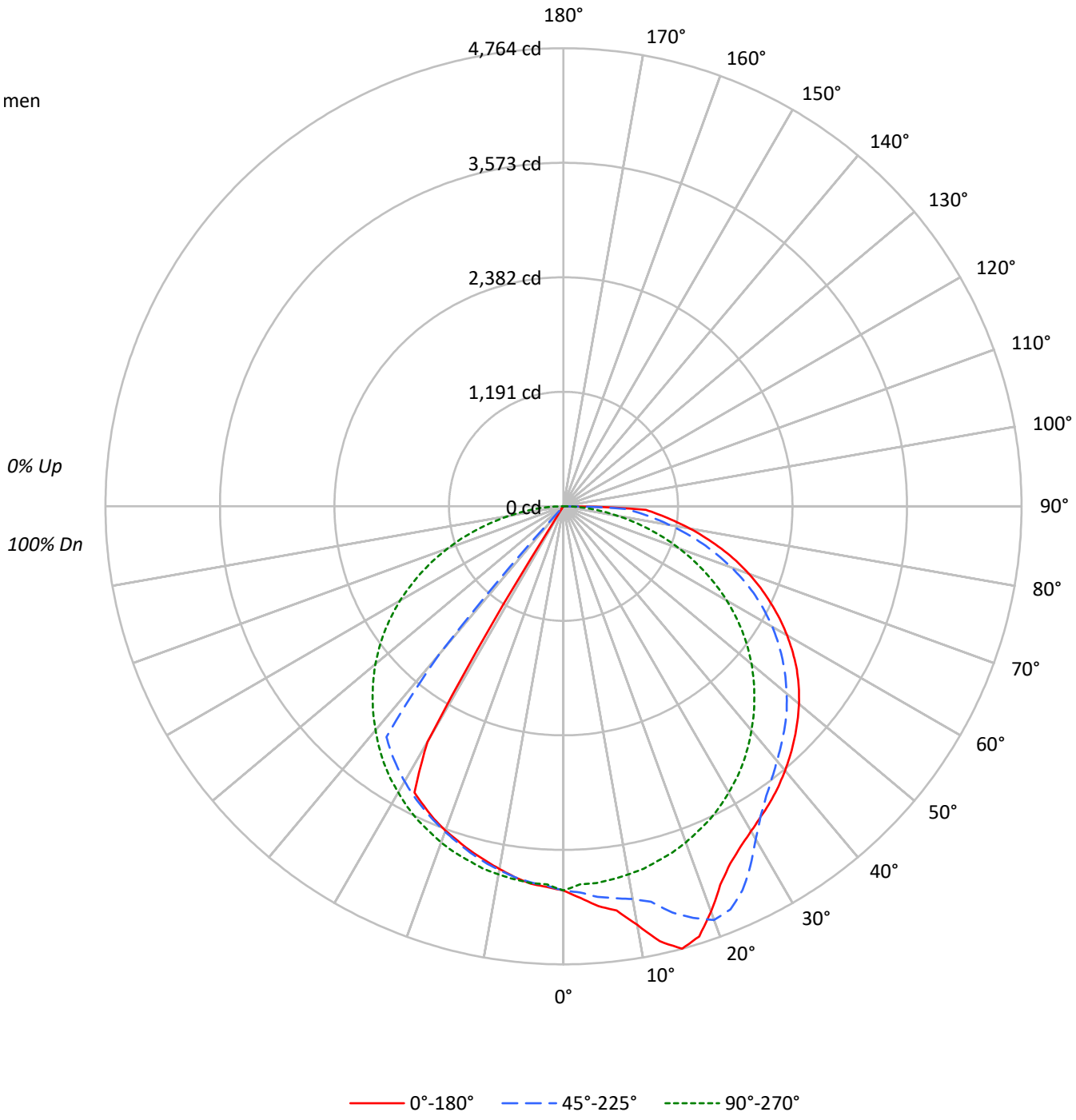
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25869	25869	25869	25869	25869
5°	27129	26504	25567	25522	25611
10°	29067	27261	25562	25261	25186
15°	31936	29329	25571	25018	24896
20°	30920	31551	25638	24818	24739
25°	29296	31487	25699	24735	24555
30°	29170	29889	25697	24705	21146
35°	29664	29067	25739	24708	289
40°	30309	29205	25705	17040	194
45°	31137	29796	25710	314	125
50°	32225	30541	25724	231	46
55°	33452	31411	25651	155	26
60°	34789	32478	25425	60	30
65°	36426	33761	24961	70	70
70°	38858	35176	24174	87	87
75°	42535	37439	23128	230	115
80°	49914	41896	21416	343	172
85°	74290	58821	20060	513	342

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 87.5°
Luminance: 127373 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.8	3.5
10°-20°	1143.0	10.6
20°-30°	1757.0	16.3
30°-40°	1883.0	17.4
40°-50°	1710.2	15.8
50°-60°	1559.9	14.4
60°-70°	1160.5	10.7
70°-80°	816.8	7.6
80°-90°	395.7	3.7
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°-30°	3282.9	30.4
0°-40°	5165.9	47.8
0°-60°	8436.0	78.0
0°-90°	10809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10809.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3995	3995	3995	3995	3995	
5°	4174	4077	3933	3926	3940	404
15°	4764	4375	3814	3732	3714	1315
25°	4100	4407	3597	3462	3437	1907
35°	3752	3677	3256	3126	37	2351
45°	3400	3254	2808	34	14	2627
55°	2963	2782	2272	14	2	2646
65°	2377	2203	1629	5	5	2354
75°	1700	1496	924	9	5	1793
85°	1000	792	270	7	5	1004
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	*3995.0*	3995.0	3995.0	3995.0	3995.0	3995.0	3995.0	3995.0	3995.0
2.5°	*4077.4*	4031.6	4020.2	4052.2	3935.5	4013.3	3949.3	3963.0	3963.0
5°	*4173.5*	4109.4	4077.4	4068.3	3933.3	3985.9	3926.4	3926.4	3940.1
7.5°	*4239.9*	4168.9	4111.7	4088.8	3912.7	3958.4	3889.8	3889.8	3889.8
10°	*4420.6*	4287.9	4146.0	4104.9	3887.5	3921.8	3841.7	3846.3	3830.3
12.5°	*4633.4*	4514.4	4212.4	4098.0	3860.0	3876.0	3791.4	3789.1	3770.8
15°	*4763.8*	*4674.6*	*4374.9*	*4088.8*	*3814.3*	*3828.0*	*3731.9*	*3725.0*	*3713.6*
17.5°	*4690.6*	4676.9	4487.0	4082.0	3773.1	3761.6	3665.5	3658.7	3649.5
20°	*4487.0*	4521.3	4578.5	4068.3	3720.5	3697.6	3601.5	3596.9	3590.0
22.5°	*4260.5*	4294.8	4537.3	4091.1	3656.4	3628.9	3532.8	3528.3	3519.1
25°	*4100.3*	4100.3	4406.9	4146.0	3596.9	3546.6	3461.9	3455.0	3436.7
27.5°	*3988.2*	3967.6	4212.4	4207.8	3521.4	3464.2	3386.4	3379.5	3356.7
30°	*3901.2*	3866.9	3997.3	4237.6	3436.7	3375.0	3304.0	3297.2	2828.1
32.5°	*3823.4*	3786.8	3816.6	4262.7	3352.1	3278.9	3217.1	2295.0	100.7
35°	*3752.5*	3711.3	3677.0	4244.4	3256.0	3182.8	3125.6	66.4	36.6
37.5°	*3672.4*	3640.4	3562.6	4148.3	3153.0	3079.8	3024.9	36.6	32.0
40°	*3585.5*	3555.7	3455.0	4006.5	3040.9	2979.1	2015.8	32.0	22.9
42.5°	*3496.2*	3473.3	3354.4	3800.5	2928.8	2867.0	64.1	25.2	18.3
45°	*3400.1*	3379.5	3253.7	3551.1	2807.5	2750.3	34.3	18.3	13.7
47.5°	*3301.7*	3272.0	3148.4	3283.4	2683.9	2626.7	29.7	13.7	9.2
50°	*3198.8*	3166.7	3031.7	3047.8	2553.5	2496.3	22.9	9.2	4.6
52.5°	*3084.4*	3045.5	2908.2	2835.0	2416.2	2363.6	18.3	4.6	2.3
55°	*2963.1*	2919.6	2782.3	2649.6	2272.1	2212.6	13.7	4.6	2.3
57.5°	*2828.1*	2780.0	2649.6	2473.4	2118.8	1496.4	9.2	4.6	2.3
60°	*2686.2*	2638.2	2507.8	2308.7	1963.2	103.0	4.6	4.6	2.3
62.5°	*2535.2*	2484.9	2359.0	2141.7	1796.2	84.7	4.6	4.6	4.6
65°	*2377.3*	2317.9	2203.4	1970.1	1629.1	70.9	4.6	4.6	4.6
67.5°	*2219.5*	2144.0	2036.4	1793.9	1457.5	59.5	4.6	4.6	4.6
70°	*2052.4*	1970.1	1857.9	1615.4	1276.8	48.1	4.6	4.6	4.6
72.5°	*1880.8*	1800.7	1679.5	1434.6	1107.4	36.6	4.6	4.6	4.6
75°	*1700.1*	1626.8	1496.4	1253.9	924.4	27.5	9.2	4.6	4.6
77.5°	*1512.4*	1455.2	1308.8	1068.5	745.9	18.3	9.2	4.6	4.6
80°	*1338.5*	1274.5	1123.5	880.9	574.3	13.7	9.2	6.9	4.6
82.5°	*1160.1*	1102.9	951.9	709.3	411.9	11.4	9.2	6.9	4.6
85°	*999.9*	945.0	791.7	553.7	270.0	9.2	6.9	6.9	4.6
87.5°	*858.0*	807.7	656.7	405.0	153.3	6.9	6.9	6.9	4.6
90°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)