

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: P895432

Luminaire Tested: 8TMB-SC3-LVR-UNV-CC93-HI-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-8)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-LVR-UNV-CC93-HI-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 5000K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

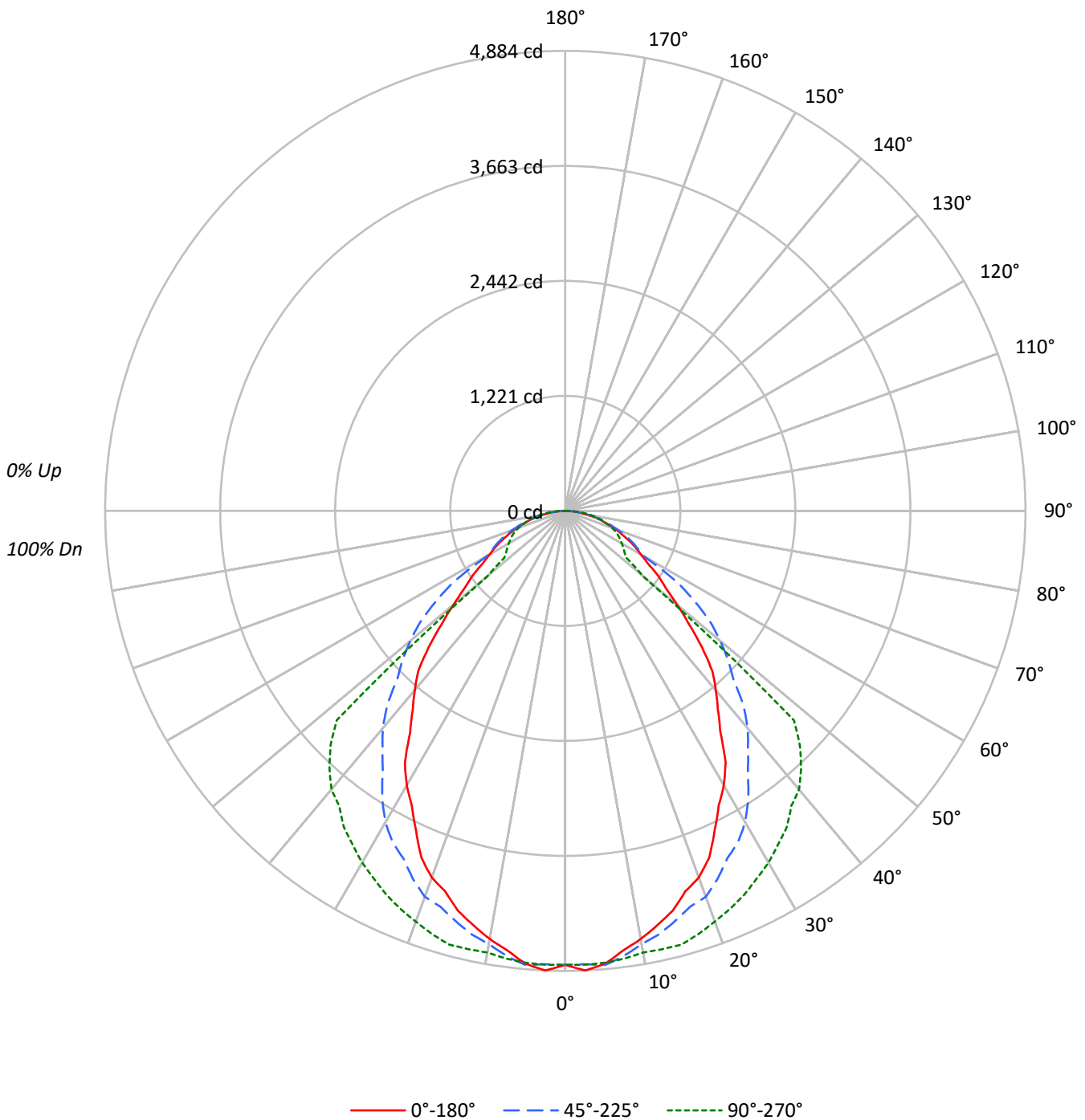
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10285.0 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.32 / 1.27
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 101.4
Input Voltage (V): 120
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

TEST NUMBER: P895432
CATALOG NUMBER: 8TMB-SC3-LVR-UNV-CC93-HI-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P895432
 CATALOG NUMBER: 8TMB-SC3-LVR-UNV-CC93-HI-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	89	89	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	77	77	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	67	67	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	59	59	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	57	52	52	52	52	50
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	48	40	35	47	40	35	45	39	35	44	39	35	35	35	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17101	17101	17101
5°	17192	17236	17148
10°	16628	16823	17151
15°	16149	16556	17505
20°	15642	16460	17520
25°	14676	15929	17596
30°	13786	15641	17668
35°	12432	14628	17752
40°	11515	13955	17877
45°	10301	12648	17675
50°	8546	11848	5938
55°	7446	10400	4751
60°	6585	6778	4926
65°	6261	6592	5229
70°	5873	6231	5516
75°	5467	5872	5669
80°	4979	5533	5936
85°	4409	4710	6412

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 17675 cd/sqm



TEST NUMBER: P895432
 CATALOG NUMBER: 8TMB-SC3-LVR-UNV-CC93-HI-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.1	4.4
10°-20°	1286.0	12.5
20°-30°	1891.7	18.4
30°-40°	2163.4	21.0
40°-50°	2048.5	19.9
50°-60°	1128.6	11.0
60°-70°	724.6	7.0
70°-80°	447.2	4.3
80°-90°	137.6	1.3
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°	3634.9	35.3
0°-40°	5798.3	56.4
0°-60°	8975.5	87.3
0°-90°	10285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4820	4820	4820	4820	4820	
5°	4827	4866	4839	4839	4815	453
15°	4396	4450	4507	4743	4765	1234
25°	3749	3916	4069	4335	4495	1726
35°	2870	3116	3377	3867	4098	1814
45°	2053	2247	2521	3234	3522	1570
55°	1204	1263	1681	866	768	1076
65°	746	770	785	699	623	738
75°	399	406	428	450	414	424
85°	108	108	116	133	158	121
90°	0	0	0	0	0	



TEST NUMBER: P895432

CATALOG NUMBER: 8TMB-SC3-LVR-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4819.6	4819.6	4819.6	4819.6	4819.6
2.5°	4883.6	4895.9	4817.1	4814.6	4822.0
5°	4827.0	4866.3	4839.3	4839.3	4814.6
7.5°	4706.3	4772.8	4765.4	4822.0	4795.0
10°	4615.3	4669.4	4669.4	4817.1	4760.5
12.5°	4507.0	4568.5	4603.0	4758.0	4765.4
15°	4396.2	4450.3	4507.0	4743.3	4765.4
17.5°	4236.2	4334.7	4406.0	4637.4	4708.8
20°	4142.7	4201.7	4359.3	4546.3	4639.9
22.5°	3987.6	4073.7	4226.4	4435.6	4573.4
25°	3748.8	3916.2	4068.8	4334.7	4494.7
27.5°	3527.3	3652.8	3967.9	4248.5	4401.1
30°	3364.8	3463.3	3817.7	4123.0	4312.5
32.5°	3167.9	3327.9	3615.9	3999.9	4201.7
35°	2870.1	3116.2	3377.1	3867.0	4098.4
37.5°	2660.9	2830.7	3185.1	3729.1	3943.3
40°	2486.1	2641.2	3012.8	3556.8	3859.6
42.5°	2311.3	2436.9	2796.2	3428.8	3704.5
45°	2052.9	2247.3	2520.6	3234.4	3522.4
47.5°	1782.1	1988.9	2340.9	3069.5	3291.0
50°	1548.3	1713.2	2146.4	2742.1	1075.7
52.5°	1344.0	1496.6	1939.6	992.0	812.3
55°	1203.7	1262.7	1681.2	866.4	768.0
57.5°	1036.3	1132.3	1410.4	824.6	728.6
60°	928.0	969.8	955.1	782.7	694.1
62.5°	841.8	871.4	866.4	740.9	654.8
65°	745.8	770.4	785.2	699.1	622.8
67.5°	649.8	672.0	694.1	647.4	578.4
70°	566.1	580.9	600.6	585.8	531.7
72.5°	480.0	497.2	509.5	521.8	470.1
75°	398.8	406.1	428.3	450.4	413.5
77.5°	324.9	332.3	347.1	371.7	352.0
80°	243.7	251.1	270.8	290.5	290.5
82.5°	172.3	177.2	189.5	216.6	228.9
85°	108.3	108.3	115.7	132.9	157.5
87.5°	41.8	41.8	49.2	59.1	78.8
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P895432
 CATALOG NUMBER: 8TMB-SC3-LVR-UNV-CC93-HI-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.81	19.30	18.18	19.61	19.92	15.62	17.10	15.98	17.41	17.73
	3H	19.34	20.67	19.72	21.00	21.36	17.95	19.27	18.33	19.60	19.96
	4H	19.93	21.18	20.33	21.52	21.90	18.90	20.14	19.30	20.49	20.87
	6H	20.39	21.54	20.80	21.90	22.30	19.68	20.83	20.09	21.20	21.59
	8H	20.53	21.63	20.96	22.02	22.42	19.99	21.08	20.42	21.47	21.88
	12H	20.63	21.68	21.06	22.06	22.49	20.24	21.29	20.67	21.67	22.10
4H	2H	18.36	19.61	18.77	19.96	20.34	16.72	17.96	17.12	18.31	18.69
	3H	20.14	21.17	20.55	21.57	21.97	19.17	20.19	19.58	20.60	21.00
	4H	20.86	21.78	21.29	22.20	22.64	20.23	21.16	20.67	21.57	22.01
	6H	21.44	22.25	21.90	22.69	23.15	21.12	21.93	21.58	22.37	22.83
	8H	21.63	22.38	22.10	22.83	23.30	21.47	22.22	21.94	22.67	23.14
	12H	21.77	22.44	22.25	22.92	23.39	21.76	22.43	22.24	22.91	23.38
8H	4H	21.16	21.92	21.63	22.36	22.83	20.62	21.37	21.08	21.82	22.28
	6H	21.88	22.50	22.37	22.99	23.47	21.65	22.28	22.15	22.77	23.25
	8H	22.14	22.70	22.65	23.21	23.70	22.10	22.66	22.61	23.17	23.66
	12H	22.35	22.84	22.86	23.34	23.90	22.48	22.98	22.99	23.48	24.04
12H	4H	21.20	21.87	21.68	22.35	22.82	20.65	21.33	21.14	21.81	22.28
	6H	21.94	22.50	22.45	23.01	23.50	21.72	22.28	22.23	22.79	23.28
	8H	22.26	22.76	22.77	23.25	23.82	22.23	22.73	22.74	23.22	23.78