

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: P895126

Luminaire Tested: 8TMB-6SL-LVRA-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-26)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-LVRA-UNV-L835
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 80CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

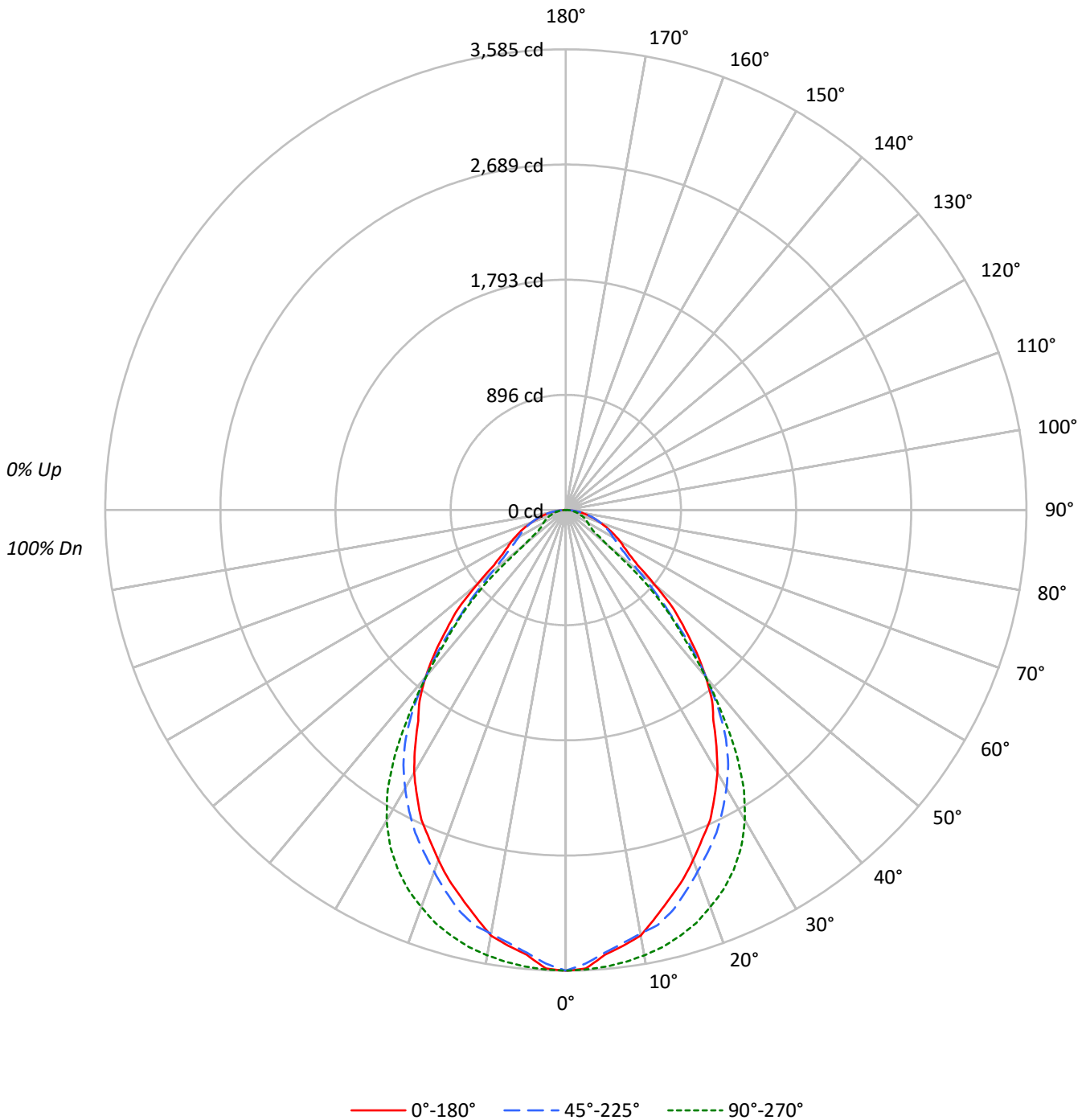
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5818.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.16 / 1.12
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.51
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P895126
CATALOG NUMBER: 8TMB-6SL-LVRA-UNV-L835

Luminous Intensity Polar Plot





TEST NUMBER: P895126

CATALOG NUMBER: 8TMB-6SL-LVRA-UNV-L835

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	80	78	
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	69	
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	62	
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	55	
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	52	50	
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	45	
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	38	
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12719	12719	12719
5°	12377	12321	12705
10°	12113	12060	12676
15°	11488	11841	12605
20°	10944	11314	12412
25°	10410	10855	12096
30°	9671	10247	11420
35°	8672	9417	10017
40°	7857	7874	7831
45°	6569	5818	5675
50°	4962	4095	2321
55°	3732	3275	1463
60°	3469	3016	1409
65°	3227	3010	1412
70°	2952	2952	1390
75°	2799	2875	1342
80°	2587	2718	1377
85°	2255	2369	1506

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6722 cd/sqm



TEST NUMBER: P895126
 CATALOG NUMBER: 8TMB-6SL-LVRA-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.1	5.7
10°-20°	912.4	15.7
20°-30°	1293.8	22.2
30°-40°	1332.9	22.9
40°-50°	931.0	16.0
50°-60°	446.7	7.7
60°-70°	313.4	5.4
70°-80°	196.0	3.4
80°-90°	60.6	1.0
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°	2537.4	43.6
0°-40°	3870.3	66.5
0°-60°	5248.0	90.2
0°-90°	5818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3585	3585	3585	3585	3585	
5°	3475	3470	3459	3550	3567	329
15°	3128	3151	3224	3316	3431	881
25°	2659	2686	2773	2960	3090	1216
35°	2002	2057	2174	2219	2313	1262
45°	1309	1340	1160	1100	1131	1009
55°	603	574	529	339	236	565
65°	384	359	358	273	168	381
75°	204	201	210	181	98	215
85°	55	55	58	57	37	62
90°	0	0	0	0	0	



TEST NUMBER: P895126

CATALOG NUMBER: 8TMB-6SL-LVRA-UNV-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3584.8	3584.8	3584.8	3584.8	3584.8
2.5°	3570.9	3559.9	3533.1	3582.0	3578.3
5°	3474.9	3470.2	3459.2	3549.7	3567.2
7.5°	3420.3	3411.1	3398.2	3498.0	3546.9
10°	3362.1	3373.2	3347.4	3438.8	3518.3
12.5°	3242.0	3271.6	3306.7	3377.8	3483.2
15°	3127.5	3150.6	3223.6	3315.9	3431.4
17.5°	3020.3	3047.1	3109.9	3248.5	3371.4
20°	2898.3	2935.3	2996.3	3173.7	3287.3
22.5°	2772.7	2806.9	2883.6	3073.9	3200.5
25°	2659.0	2685.8	2772.7	2960.2	3089.6
27.5°	2508.4	2558.3	2640.6	2821.6	2957.5
30°	2360.6	2403.1	2501.0	2653.5	2787.5
32.5°	2182.3	2244.2	2352.3	2468.7	2580.5
35°	2002.1	2056.6	2174.0	2219.3	2312.6
37.5°	1870.9	1885.7	1952.2	1946.7	1999.4
40°	1696.3	1725.9	1700.0	1630.7	1690.8
42.5°	1507.8	1542.9	1438.5	1358.2	1379.4
45°	1309.2	1339.7	1159.5	1100.4	1130.9
47.5°	1137.3	1134.6	935.0	895.3	852.8
50°	899.0	928.5	741.9	668.0	420.4
52.5°	702.2	713.3	611.6	426.9	276.3
55°	603.3	573.8	529.4	339.1	236.5
57.5°	535.9	498.9	469.4	315.1	216.2
60°	488.8	447.2	425.0	299.3	198.6
62.5°	435.2	402.8	394.5	285.5	182.9
65°	384.4	359.4	358.5	272.6	168.2
67.5°	333.5	319.7	323.4	256.8	151.5
70°	284.6	281.8	284.6	236.5	134.0
72.5°	243.0	240.2	247.6	210.7	114.6
75°	204.2	201.4	209.7	181.1	97.9
77.5°	162.6	164.5	170.0	150.6	82.2
80°	126.6	126.6	133.0	118.3	67.4
82.5°	90.5	91.5	95.2	86.8	52.7
85°	55.4	55.4	58.2	57.3	37.0
87.5°	18.5	21.3	24.9	26.8	18.5
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P895126
 CATALOG NUMBER: 8TMB-6SL-LVRA-UNV-L835

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	14.48	15.84	14.85	16.15	16.46	10.82	12.17	11.18	12.48	12.80
	3H	16.22	17.43	16.60	17.76	18.12	12.79	14.00	13.17	14.33	14.69
	4H	16.89	18.02	17.29	18.37	18.75	13.50	14.62	13.90	14.97	15.36
	6H	17.40	18.44	17.81	18.81	19.20	14.02	15.06	14.43	15.43	15.82
	8H	17.57	18.56	18.00	18.95	19.35	14.20	15.19	14.63	15.58	15.98
	12H	17.68	18.62	18.11	19.01	19.44	14.34	15.29	14.77	15.67	16.10
4H	2H	15.01	16.14	15.41	16.49	16.87	12.44	13.56	12.84	13.92	14.30
	3H	16.99	17.92	17.40	18.32	18.73	14.62	15.55	15.03	15.95	16.35
	4H	17.79	18.63	18.23	19.05	19.49	15.49	16.33	15.93	16.75	17.19
	6H	18.44	19.16	18.90	19.61	20.07	16.14	16.86	16.60	17.31	17.77
	8H	18.66	19.33	19.12	19.78	20.25	16.35	17.02	16.81	17.47	17.94
	12H	18.81	19.41	19.29	19.89	20.36	16.50	17.10	16.99	17.59	18.06
8H	4H	18.08	18.75	18.54	19.20	19.67	16.14	16.82	16.61	17.27	17.74
	6H	18.86	19.42	19.36	19.91	20.39	17.00	17.56	17.51	18.06	18.54
	8H	19.16	19.66	19.68	20.17	20.67	17.33	17.83	17.85	18.35	18.84
	12H	19.40	19.84	19.91	20.33	20.90	17.60	18.04	18.11	18.53	19.10
12H	4H	18.09	18.69	18.58	19.18	19.65	16.22	16.82	16.70	17.30	17.77
	6H	18.91	19.41	19.43	19.93	20.42	17.14	17.64	17.66	18.16	18.65
	8H	19.28	19.72	19.79	20.21	20.78	17.56	18.00	18.07	18.49	19.06