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: P895384

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC93-MID-5000K

Issue Date: 11/11/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P895384
	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-MID-5000K
Description:	Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 5000K CCT, MID setting
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7642.0 lumens
Efficiency:	N/A
Efficacy:	114.2 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):	66.9
Input Voltage (V):	
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.9948
Total Harmonic Distortion (THDi):	5.65231997856897
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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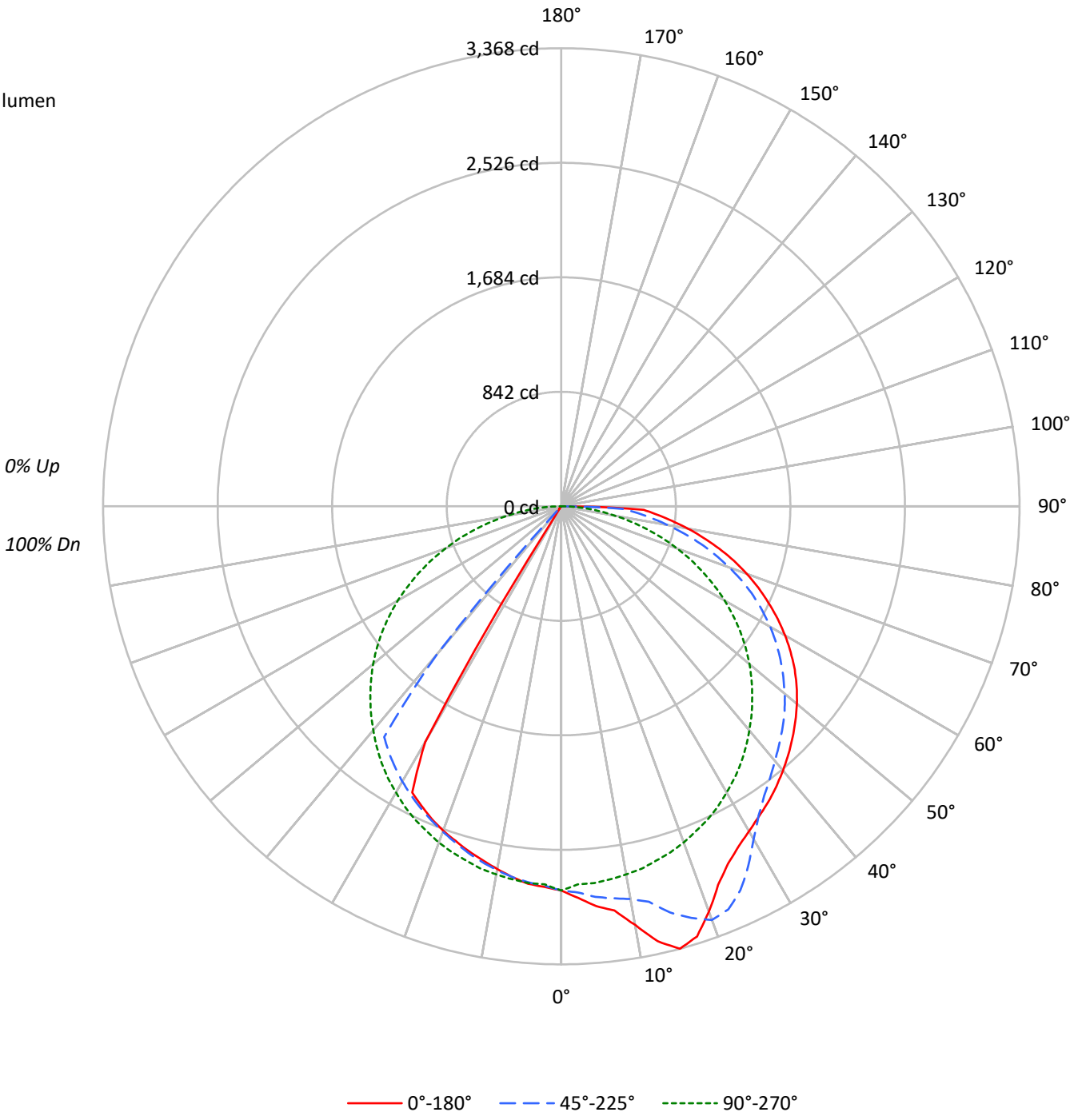
Luminous Intensity Polar Plot



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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°	18290	18290	18290	18290	18290
5°	19180	18738	18076	18045	18108
10°	20551	19274	18072	17859	17806
15°	22579	20735	18078	17688	17601
20°	21860	22306	18126	17547	17491
25°	20712	22261	18169	17488	17361
30°	20624	21131	18168	17467	14951
35°	20972	20550	18197	17469	205
40°	21428	20648	18173	12047	137
45°	22014	21066	18177	223	89
50°	22782	21593	18188	163	32
55°	23651	22208	18136	110	18
60°	24596	22962	17976	41	21
65°	25754	23869	17648	49	49
70°	27474	24870	17091	61	61
75°	30071	26470	16353	163	80
80°	35292	29620	15140	242	119
85°	52521	41584	14183	364	238

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 87.5°
Luminance: 90052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.7	3.5
10°-20°	808.1	10.6
20°-30°	1242.2	16.3
30°-40°	1331.3	17.4
40°-50°	1209.1	15.8
50°-60°	1102.9	14.4
60°-70°	820.5	10.7
70°-80°	577.5	7.6
80°-90°	279.8	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°	2321.0	30.4
0°-40°	3652.3	47.8
0°-60°	5964.3	78.0
0°-90°	7642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7642.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2824	2824	2824	2824	2824	
5°	2951	2883	2781	2776	2786	286
15°	3368	3093	2697	2638	2626	930
25°	2899	3116	2543	2448	2430	1348
35°	2653	2600	2302	2210	26	1662
45°	2404	2300	1985	24	10	1857
55°	2095	1967	1606	10	2	1871
65°	1681	1558	1152	3	3	1664
75°	1202	1058	654	6	3	1267
85°	707	560	191	5	3	710
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°	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5
2.5°	2882.7	2850.4	2842.3	2864.9	2782.4	2837.4	2792.1	2801.9	2801.9
5°	2950.7	2905.4	2882.7	2876.3	2780.8	2818.0	2776.0	2776.0	2785.7
7.5°	2997.6	2947.4	2907.0	2890.8	2766.3	2798.6	2750.1	2750.1	2750.1
10°	3125.4	3031.6	2931.3	2902.2	2748.5	2772.7	2716.1	2719.4	2708.0
12.5°	3275.8	3191.7	2978.2	2897.3	2729.1	2740.4	2680.5	2678.9	2666.0
15°	3368.0	3305.0	3093.0	2890.8	2696.7	2706.4	2638.5	2633.6	2625.5
17.5°	3316.3	3306.6	3172.3	2886.0	2667.6	2659.5	2591.6	2586.7	2580.2
20°	3172.3	3196.6	3237.0	2876.3	2630.4	2614.2	2546.3	2543.0	2538.2
22.5°	3012.2	3036.4	3207.9	2892.4	2585.1	2565.7	2497.7	2494.5	2488.0
25°	2898.9	2898.9	3115.7	2931.3	2543.0	2507.4	2447.6	2442.7	2429.8
27.5°	2819.6	2805.1	2978.2	2974.9	2489.6	2449.2	2394.2	2389.3	2373.2
30°	2758.2	2733.9	2826.1	2996.0	2429.8	2386.1	2336.0	2331.1	1999.5
32.5°	2703.2	2677.3	2698.3	3013.8	2369.9	2318.2	2274.5	1622.6	71.2
35°	2653.0	2623.9	2599.6	3000.8	2302.0	2250.2	2209.8	46.9	25.9
37.5°	2596.4	2573.8	2518.8	2932.9	2229.2	2177.4	2138.6	25.9	22.6
40°	2534.9	2513.9	2442.7	2832.6	2149.9	2106.2	1425.2	22.6	16.2
42.5°	2471.8	2455.7	2371.5	2687.0	2070.7	2027.0	45.3	17.8	12.9
45°	2403.9	2389.3	2300.4	2510.7	1984.9	1944.5	24.3	12.9	9.7
47.5°	2334.3	2313.3	2226.0	2321.4	1897.6	1857.1	21.0	9.7	6.5
50°	2261.5	2238.9	2143.4	2154.8	1805.4	1764.9	16.2	6.5	3.2
52.5°	2180.7	2153.2	2056.1	2004.3	1708.3	1671.1	12.9	3.2	1.6
55°	2094.9	2064.2	1967.1	1873.3	1606.4	1564.3	9.7	3.2	1.6
57.5°	1999.5	1965.5	1873.3	1748.7	1498.0	1058.0	6.5	3.2	1.6
60°	1899.2	1865.2	1773.0	1632.3	1388.0	72.8	3.2	3.2	1.6
62.5°	1792.4	1756.8	1667.8	1514.2	1269.9	59.9	3.2	3.2	3.2
65°	1680.8	1638.7	1557.8	1392.8	1151.8	50.1	3.2	3.2	3.2
67.5°	1569.2	1515.8	1439.8	1268.3	1030.5	42.1	3.2	3.2	3.2
70°	1451.1	1392.8	1313.6	1142.1	902.7	34.0	3.2	3.2	3.2
72.5°	1329.7	1273.1	1187.4	1014.3	783.0	25.9	3.2	3.2	3.2
75°	1201.9	1150.2	1058.0	886.5	653.6	19.4	6.5	3.2	3.2
77.5°	1069.3	1028.9	925.3	755.5	527.4	12.9	6.5	3.2	3.2
80°	946.4	901.1	794.3	622.8	406.0	9.7	6.5	4.9	3.2
82.5°	820.2	779.7	673.0	501.5	291.2	8.1	6.5	4.9	3.2
85°	706.9	668.1	559.7	391.5	190.9	6.5	4.9	4.9	3.2
87.5°	606.6	571.0	464.3	286.3	108.4	4.9	4.9	4.9	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)