

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: METALUX

Report Number: P412384

Luminaire Tested: **22PD-35-PB1-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-35-PB1-L927
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

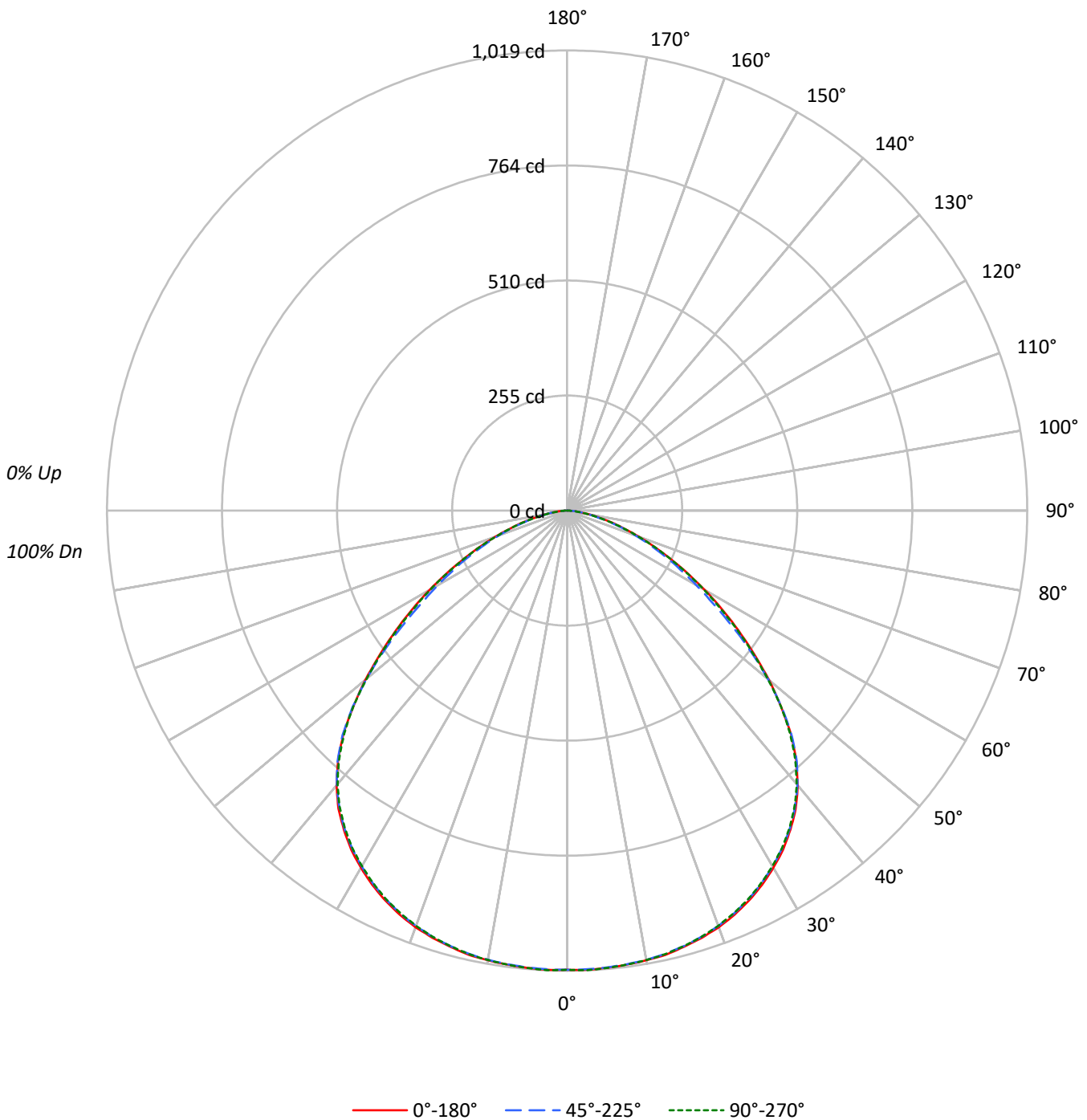
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2670.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 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					
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88					86				
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76					73				
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65					63				
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56					54				
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2737	2737	2737
5°	2746	2743	2746
10°	2763	2760	2762
15°	2786	2781	2781
20°	2812	2803	2802
25°	2829	2821	2818
30°	2838	2827	2825
35°	2833	2825	2819
40°	2791	2787	2778
45°	2668	2676	2656
50°	2442	2429	2426
55°	2170	2093	2155
60°	1892	1777	1880
65°	1604	1518	1596
70°	1327	1271	1314
75°	1072	1003	1030
80°	775	750	745
85°	506	506	485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.6
10°-20°	282.2	10.6
20°-30°	437.9	16.4
30°-40°	537.0	20.1
40°-50°	536.8	20.1
50°-60°	406.6	15.2
60°-70°	243.9	9.1
70°-80°	107.4	4.0
80°-90°	21.3	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°-30°	816.9	30.6
0°-40°	1354.0	50.7
0°-60°	2297.4	86.0
0°-90°	2670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1016	1015	1015	1015	1017	97
15°	1000	999	998	998	998	283
25°	953	951	950	948	949	439
35°	862	862	860	859	858	539
45°	701	702	703	701	698	537
55°	463	452	446	452	459	415
65°	252	243	238	242	251	252
75°	103	101	96	98	99	110
85°	16	17	16	16	16	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.0	1017.0	1017.0	1017.0	1017.0
2.5°	1017.9	1016.4	1016.7	1016.7	1018.6
5°	1016.4	1015.1	1015.4	1015.1	1016.7
7.5°	1014.2	1012.9	1013.2	1012.9	1013.9
10°	1011.3	1010.1	1010.1	1009.5	1010.7
12.5°	1007.6	1006.0	1005.4	1005.1	1006.0
15°	1000.0	999.1	998.4	997.8	998.4
17.5°	991.8	990.3	989.6	988.4	989.6
20°	981.8	979.6	978.9	978.0	978.3
22.5°	968.6	966.7	965.7	964.2	964.8
25°	952.8	951.0	950.0	948.4	949.1
27.5°	934.6	933.4	931.1	929.9	930.2
30°	913.5	912.3	909.8	909.1	909.1
32.5°	890.3	888.7	886.5	885.9	885.6
35°	862.3	862.0	859.8	859.1	858.2
37.5°	831.8	831.1	828.6	828.0	827.1
40°	794.4	793.7	793.4	792.2	790.9
42.5°	751.0	751.9	752.5	750.0	747.5
45°	701.0	701.9	703.2	701.3	697.8
47.5°	642.5	646.2	644.4	645.6	642.2
50°	583.3	583.3	580.2	581.5	579.6
52.5°	521.4	516.4	512.6	515.1	517.6
55°	462.6	452.5	446.2	452.2	459.4
57.5°	406.3	394.3	382.7	392.1	401.0
60°	351.6	337.7	330.2	337.1	349.4
62.5°	299.7	289.6	282.1	287.4	297.8
65°	251.9	243.1	238.4	242.5	250.6
67.5°	208.2	202.2	197.5	200.9	207.2
70°	168.6	167.0	161.6	163.2	167.0
72.5°	132.4	132.1	127.4	128.6	130.8
75°	103.1	100.9	96.5	98.1	99.1
77.5°	73.0	73.9	69.8	70.8	70.8
80°	50.0	51.6	48.4	47.8	48.1
82.5°	31.8	31.8	31.4	31.1	30.2
85°	16.4	17.0	16.4	15.7	15.7
87.5°	6.3	6.3	6.3	6.0	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)