

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: CORELITE

Report Number: P738133

Luminaire Tested: **22PT-35-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PB1-L940
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

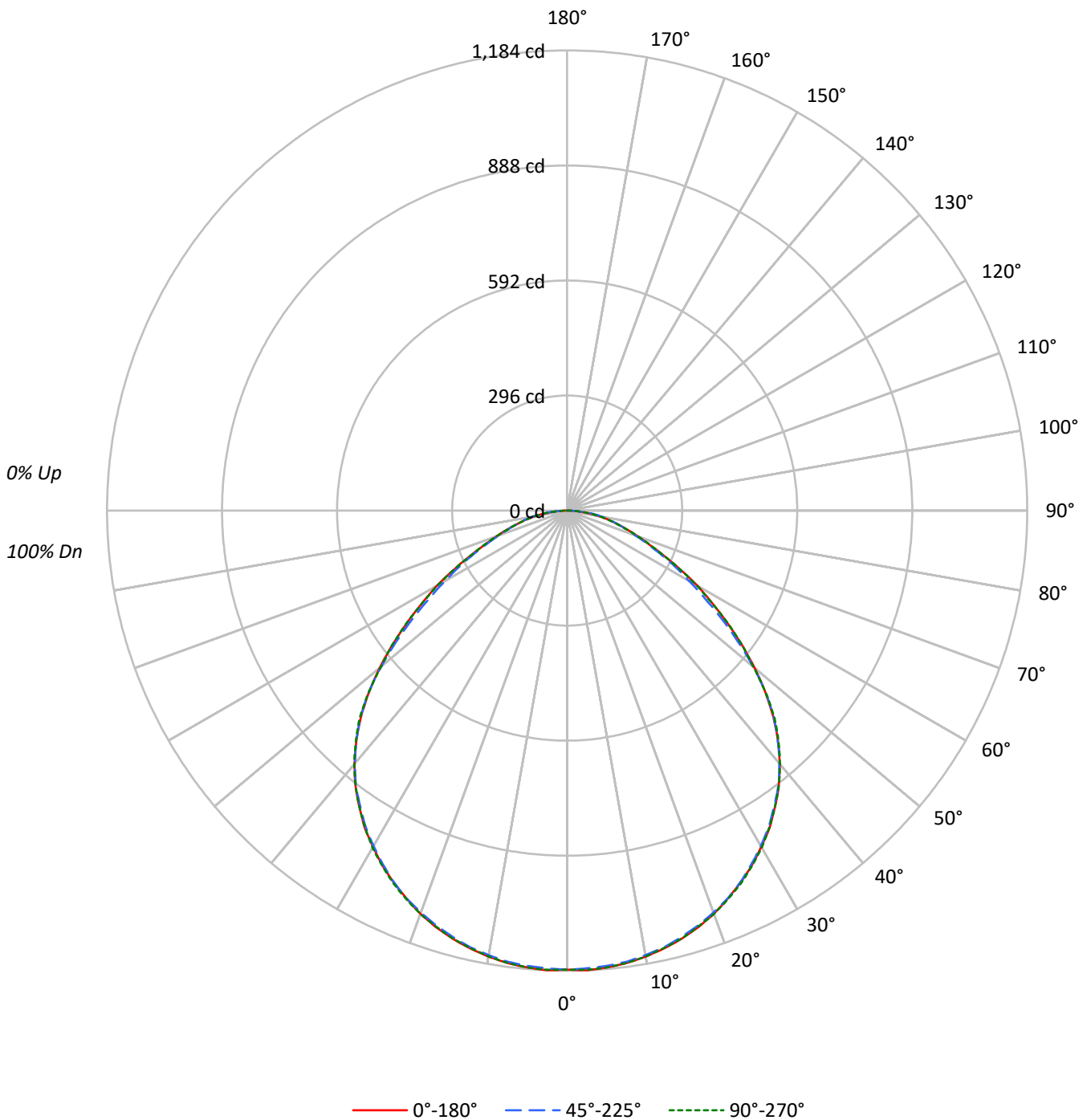
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2978.0 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64					62				
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49					47				
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43					41				
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39					37				
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3461	3461	3461
5°	3470	3459	3470
10°	3467	3456	3466
15°	3459	3446	3457
20°	3442	3431	3443
25°	3413	3410	3421
30°	3379	3371	3389
35°	3333	3322	3333
40°	3256	3249	3260
45°	3110	3116	3128
50°	2871	2848	2852
55°	2565	2480	2575
60°	2265	2127	2251
65°	1898	1837	1898
70°	1646	1600	1653
75°	1500	1522	1500
80°	1409	1530	1417
85°	1227	1503	1261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	3.8
10°-20°	321.2	10.8
20°-30°	486.3	16.3
30°-40°	581.7	19.5
40°-50°	575.9	19.3
50°-60°	442.8	14.9
60°-70°	269.7	9.1
70°-80°	142.7	4.8
80°-90°	45.7	1.5
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°	919.5	30.9
0°-40°	1501.2	50.4
0°-60°	2519.9	84.6
0°-90°	2978.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1180	1179	1176	1178	1180	112
15°	1140	1138	1136	1138	1140	322
25°	1056	1055	1055	1056	1058	487
35°	932	931	929	932	932	582
45°	750	751	752	752	755	576
55°	502	496	485	494	504	450
65°	274	267	265	265	274	277
75°	132	132	134	134	132	142
85°	36	42	45	42	38	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1181.1	1181.1	1181.1	1181.1	1181.1
2.5°	1184.0	1182.1	1178.7	1181.1	1182.6
5°	1179.7	1179.2	1175.9	1177.8	1179.7
7.5°	1174.4	1173.0	1170.6	1172.5	1173.9
10°	1165.3	1164.3	1161.5	1163.9	1164.8
12.5°	1153.8	1152.8	1150.9	1152.8	1152.3
15°	1140.3	1138.4	1136.0	1138.4	1139.8
17.5°	1123.5	1121.6	1119.7	1121.1	1122.1
20°	1103.8	1101.0	1100.5	1102.4	1104.3
22.5°	1080.3	1080.3	1079.8	1081.3	1082.2
25°	1055.8	1054.9	1054.9	1056.3	1058.2
27.5°	1029.4	1027.5	1026.5	1028.9	1030.4
30°	998.7	998.2	996.3	1000.1	1001.6
32.5°	968.9	964.1	965.1	967.0	967.5
35°	931.9	931.0	928.6	931.5	931.9
37.5°	894.5	894.0	892.6	893.5	894.0
40°	851.3	850.8	849.4	851.3	852.2
42.5°	803.3	802.3	802.3	803.8	805.2
45°	750.5	750.9	751.9	752.4	754.8
47.5°	691.4	692.4	693.3	692.4	692.8
50°	629.9	629.5	624.7	628.0	625.6
52.5°	565.1	557.9	554.1	561.8	567.0
55°	502.2	495.5	485.4	494.1	504.1
57.5°	441.7	430.2	419.6	429.7	439.8
60°	386.5	368.7	363.0	369.2	384.1
62.5°	327.5	315.0	313.1	314.0	327.0
65°	273.7	267.0	265.0	264.6	273.7
67.5°	229.5	225.2	222.8	224.7	230.5
70°	192.1	190.1	186.8	190.1	193.0
72.5°	161.3	160.8	158.0	160.8	159.9
75°	132.5	132.5	134.4	133.5	132.5
77.5°	108.0	109.0	112.4	109.5	106.6
80°	83.5	85.9	90.7	86.4	84.0
82.5°	59.5	64.8	70.1	64.8	61.5
85°	36.5	41.8	44.7	42.3	37.5
87.5°	15.8	18.7	19.7	18.2	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)