

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: P738083

Luminaire Tested: **22PT-25-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738083
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-25-PB1-L930
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

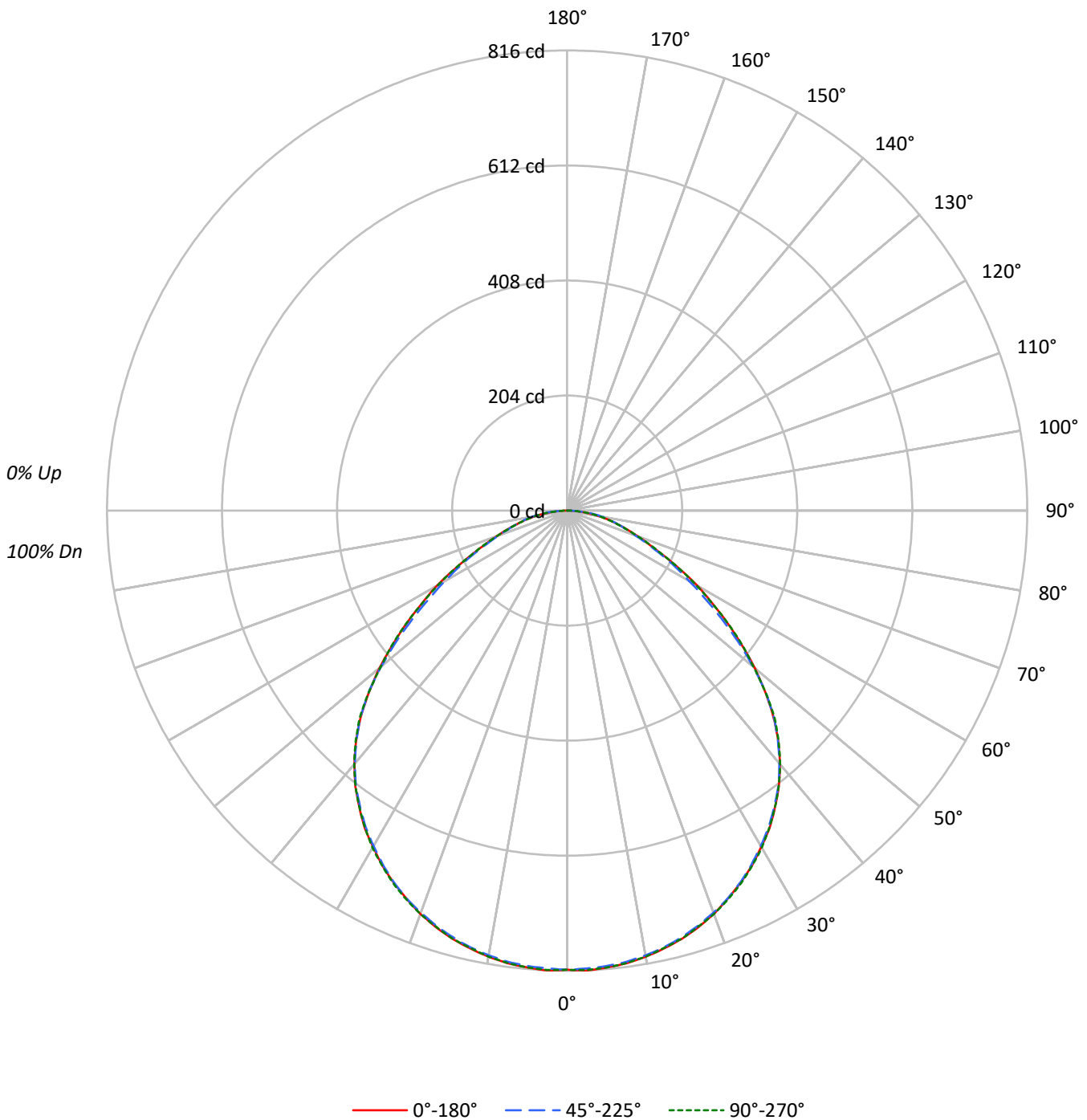
Lumens per Lamp: N/A
Luminaire Lumens: 2053.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
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					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2386	2386	2386
5°	2392	2384	2392
10°	2390	2382	2389
15°	2385	2376	2384
20°	2373	2366	2374
25°	2353	2351	2358
30°	2329	2324	2336
35°	2298	2290	2298
40°	2245	2239	2247
45°	2144	2148	2156
50°	1980	1963	1966
55°	1769	1709	1776
60°	1562	1466	1552
65°	1308	1267	1308
70°	1134	1103	1140
75°	1035	1049	1035
80°	972	1056	977
85°	847	1035	867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	3.8
10°-20°	221.4	10.8
20°-30°	335.3	16.3
30°-40°	401.0	19.5
40°-50°	397.0	19.3
50°-60°	305.3	14.9
60°-70°	185.9	9.1
70°-80°	98.4	4.8
80°-90°	31.5	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°	633.9	30.9
0°-40°	1034.9	50.4
0°-60°	1737.2	84.6
0°-90°	2053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	814	814	814	814	814	
5°	813	813	811	812	813	77
15°	786	785	783	785	786	222
25°	728	727	727	728	730	335
35°	642	642	640	642	642	402
45°	517	518	518	519	520	397
55°	346	342	335	341	348	310
65°	189	184	183	182	189	191
75°	91	91	93	92	91	98
85°	25	29	31	29	26	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	814.3	814.3	814.3	814.3	814.3
2.5°	816.3	814.9	812.6	814.3	815.3
5°	813.3	812.9	810.6	811.9	813.3
7.5°	809.6	808.6	807.0	808.3	809.3
10°	803.3	802.7	800.7	802.3	803.0
12.5°	795.4	794.7	793.4	794.7	794.4
15°	786.1	784.8	783.2	784.8	785.8
17.5°	774.5	773.2	771.9	772.9	773.6
20°	761.0	759.0	758.7	760.0	761.3
22.5°	744.8	744.8	744.4	745.4	746.1
25°	727.9	727.2	727.2	728.2	729.5
27.5°	709.7	708.3	707.7	709.3	710.3
30°	688.5	688.2	686.8	689.5	690.5
32.5°	668.0	664.7	665.3	666.6	667.0
35°	642.5	641.8	640.2	642.1	642.5
37.5°	616.7	616.3	615.3	616.0	616.3
40°	586.9	586.5	585.5	586.9	587.5
42.5°	553.8	553.1	553.1	554.1	555.1
45°	517.4	517.7	518.3	518.7	520.3
47.5°	476.6	477.3	478.0	477.3	477.6
50°	434.3	433.9	430.6	433.0	431.3
52.5°	389.6	384.6	382.0	387.3	390.9
55°	346.2	341.6	334.6	340.6	347.6
57.5°	304.5	296.6	289.3	296.2	303.2
60°	266.5	254.2	250.2	254.5	264.8
62.5°	225.7	217.1	215.8	216.5	225.4
65°	188.7	184.0	182.7	182.4	188.7
67.5°	158.2	155.2	153.6	154.9	158.9
70°	132.4	131.1	128.8	131.1	133.1
72.5°	111.2	110.9	108.9	110.9	110.2
75°	91.4	91.4	92.7	92.0	91.4
77.5°	74.5	75.1	77.5	75.5	73.5
80°	57.6	59.2	62.6	59.6	57.9
82.5°	41.0	44.7	48.3	44.7	42.4
85°	25.2	28.8	30.8	29.1	25.8
87.5°	10.9	12.9	13.6	12.6	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)