

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: P738093

Luminaire Tested: **22PT-25-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PC3-L940
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

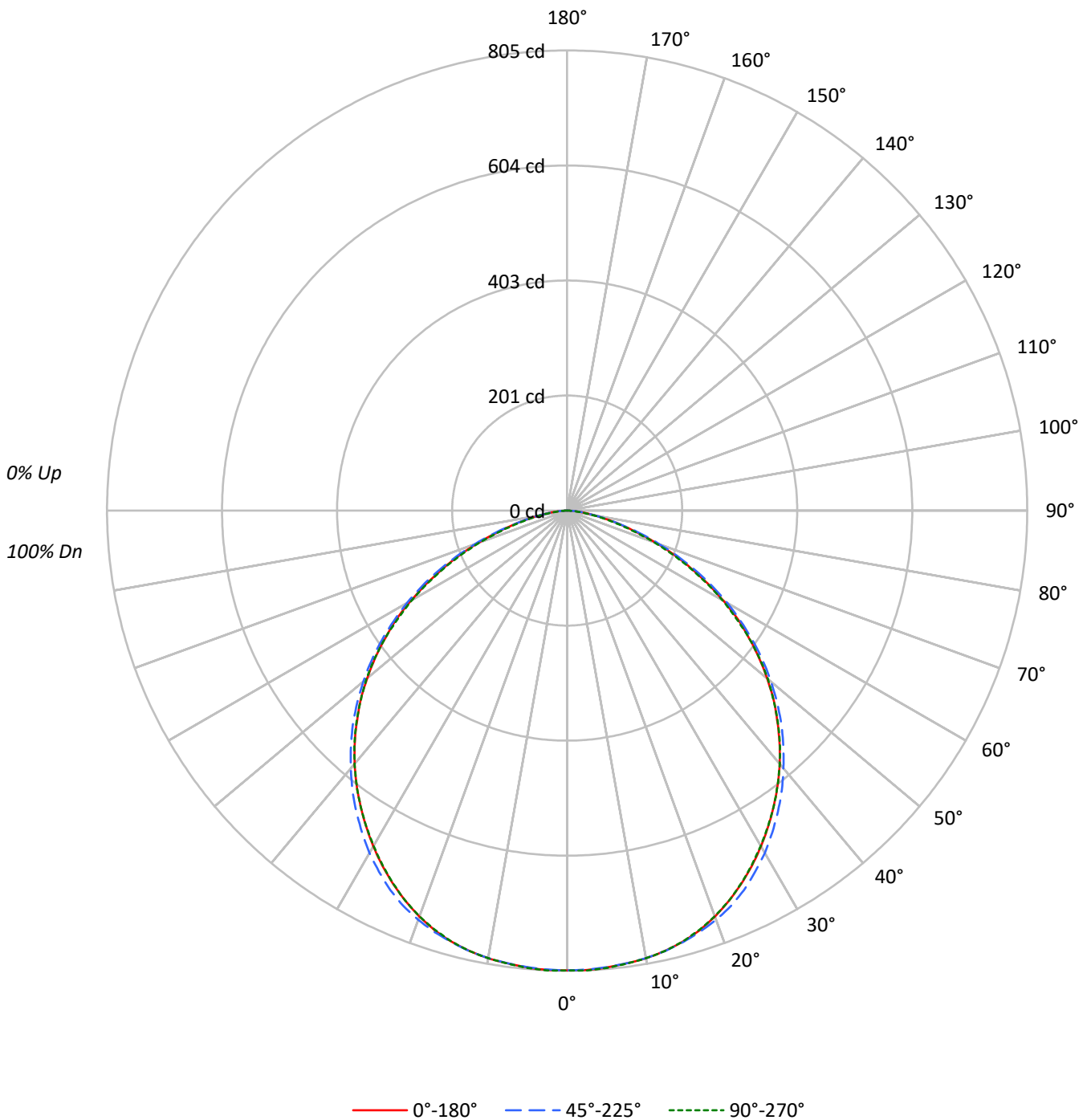
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2161.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2357	2357	2357
5°	2360	2358	2362
10°	2366	2365	2366
15°	2369	2372	2368
20°	2357	2376	2355
25°	2329	2368	2328
30°	2295	2340	2291
35°	2255	2300	2255
40°	2213	2252	2213
45°	2154	2197	2158
50°	2081	2121	2089
55°	1984	2023	1984
60°	1850	1897	1838
65°	1660	1719	1639
70°	1420	1471	1378
75°	1126	1158	1069
80°	808	839	769
85°	535	551	501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.5
10°-20°	220.5	10.2
20°-30°	334.5	15.5
30°-40°	399.4	18.5
40°-50°	406.2	18.8
50°-60°	351.4	16.3
60°-70°	241.8	11.2
70°-80°	109.7	5.1
80°-90°	21.3	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°	631.2	29.2
0°-40°	1030.7	47.7
0°-60°	1788.2	82.7
0°-90°	2161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	802	802	802	802	803	76
15°	781	781	782	781	781	220
25°	720	727	732	726	720	332
35°	630	642	643	641	630	394
45°	520	529	530	530	521	401
55°	388	395	396	395	388	347
65°	240	246	248	246	236	238
75°	100	103	102	101	94	107
85°	16	17	16	16	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.4	804.4	804.4	804.4	804.4
2.5°	804.4	803.4	803.6	803.9	805.4
5°	802.4	801.6	801.8	801.8	802.9
7.5°	799.0	798.8	798.8	798.5	799.3
10°	795.2	794.7	794.9	794.7	795.2
12.5°	789.3	789.3	789.5	788.8	789.3
15°	780.9	781.4	781.9	780.6	780.6
17.5°	770.1	771.4	772.7	770.4	769.1
20°	755.8	758.9	761.9	758.3	755.3
22.5°	739.2	744.3	748.9	743.2	739.2
25°	720.5	726.9	732.3	725.6	720.0
27.5°	700.3	707.4	712.5	706.9	699.3
30°	678.3	687.0	691.6	686.2	677.2
32.5°	654.8	664.9	667.7	664.4	654.2
35°	630.4	641.7	643.0	640.7	630.4
37.5°	605.1	615.9	616.9	615.6	605.1
40°	578.5	588.4	588.7	588.7	578.5
42.5°	550.1	559.8	559.8	559.5	550.8
45°	519.9	529.4	530.2	529.6	520.7
47.5°	490.0	497.1	498.4	497.4	489.5
50°	456.5	463.8	465.4	464.4	458.3
52.5°	423.2	430.1	431.6	430.8	423.9
55°	388.4	395.0	396.0	395.3	388.4
57.5°	354.9	359.2	360.2	358.7	350.0
60°	315.7	321.9	323.7	321.9	313.7
62.5°	277.9	284.5	286.1	283.5	274.8
65°	239.5	246.1	247.9	245.9	236.4
67.5°	203.2	208.0	209.6	207.3	198.5
70°	165.8	172.0	171.7	168.6	160.9
72.5°	129.0	137.4	135.9	134.1	125.6
75°	99.5	103.3	102.3	101.3	94.4
77.5°	71.1	75.7	73.2	73.4	67.5
80°	47.9	52.2	49.7	48.6	45.6
82.5°	30.4	32.2	31.7	31.2	28.4
85°	15.9	16.9	16.4	15.9	14.9
87.5°	6.2	6.7	6.2	6.2	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)