

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: P738107

Luminaire Tested: **22PT-25-PP3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PP3-L930
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

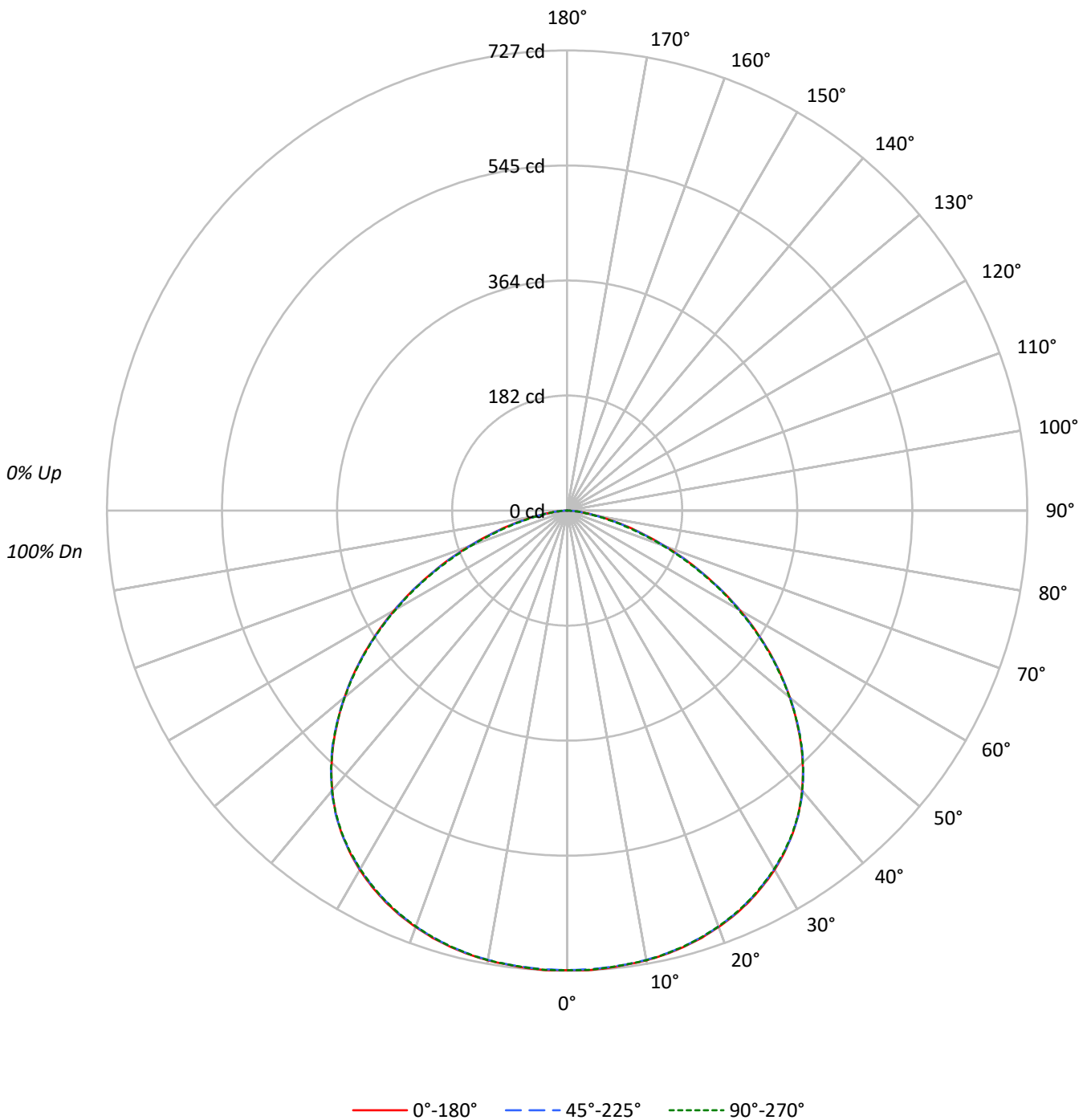
Lumens per Lamp: N/A
Luminaire Lumens: 2083.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (A_{in}): 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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2127	2127	2127
5°	2134	2131	2132
10°	2147	2144	2146
15°	2164	2162	2162
20°	2183	2180	2180
25°	2202	2198	2198
30°	2218	2214	2213
35°	2224	2224	2221
40°	2210	2214	2210
45°	2166	2172	2168
50°	2093	2096	2090
55°	1992	1988	1984
60°	1849	1845	1831
65°	1652	1651	1632
70°	1413	1403	1372
75°	1125	1092	1059
80°	801	786	744
85°	521	521	504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	3.3
10°-20°	201.4	9.7
20°-30°	313.6	15.1
30°-40°	388.1	18.6
40°-50°	402.5	19.3
50°-60°	346.9	16.7
60°-70°	235.9	11.3
70°-80°	105.5	5.1
80°-90°	20.1	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°	584.0	28.0
0°-40°	972.2	46.7
0°-60°	1721.5	82.6
0°-90°	2083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	726	724	725	724	725	69
15°	713	712	713	712	713	202
25°	681	680	680	680	680	314
35°	622	621	622	621	621	388
45°	523	522	524	523	523	402
55°	390	389	389	388	388	348
65°	238	240	238	237	235	237
75°	99	100	96	96	94	107
85°	16	16	16	15	15	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	726.0	726.0	726.0	726.0	726.0
2.5°	727.0	725.5	725.5	725.8	726.5
5°	725.5	724.1	724.6	724.3	725.0
7.5°	723.6	722.4	723.1	722.6	723.1
10°	721.6	720.4	720.7	720.4	721.2
12.5°	718.2	716.8	717.3	717.3	717.6
15°	713.4	712.2	712.7	712.2	712.7
17.5°	707.6	706.1	706.4	706.1	706.6
20°	700.1	699.1	699.3	698.9	699.1
22.5°	691.6	690.4	690.6	690.2	690.2
25°	681.2	680.2	680.0	679.7	680.0
27.5°	669.0	667.9	667.9	667.6	667.6
30°	655.5	654.3	654.3	654.0	654.0
32.5°	639.5	639.0	639.2	638.8	638.5
35°	621.8	621.0	621.8	620.8	621.0
37.5°	601.2	600.2	601.7	600.7	600.9
40°	577.7	577.2	578.9	578.1	577.7
42.5°	551.5	551.5	552.2	552.4	552.0
45°	522.7	522.2	524.1	522.9	523.3
47.5°	491.6	490.9	492.3	492.1	491.9
50°	459.2	458.6	459.8	458.6	458.6
52.5°	425.4	425.2	425.4	424.2	423.9
55°	390.0	388.6	389.1	388.3	388.3
57.5°	353.2	351.5	351.7	351.5	351.7
60°	315.6	315.1	314.9	313.7	312.5
62.5°	277.1	277.6	277.3	275.6	274.4
65°	238.3	240.3	238.1	237.3	235.4
67.5°	201.7	202.4	201.0	199.3	197.1
70°	164.9	166.3	163.8	162.1	160.2
72.5°	129.7	130.7	128.5	127.5	125.1
75°	99.4	99.7	96.5	96.0	93.5
77.5°	70.8	71.7	69.3	69.3	66.9
80°	47.5	49.2	46.6	45.8	44.1
82.5°	29.8	30.0	29.3	28.6	27.9
85°	15.5	16.0	15.5	15.0	15.0
87.5°	5.8	6.1	5.8	5.6	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)