

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: P738092

Luminaire Tested: **22PT-25-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738092
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-L935
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

Summary

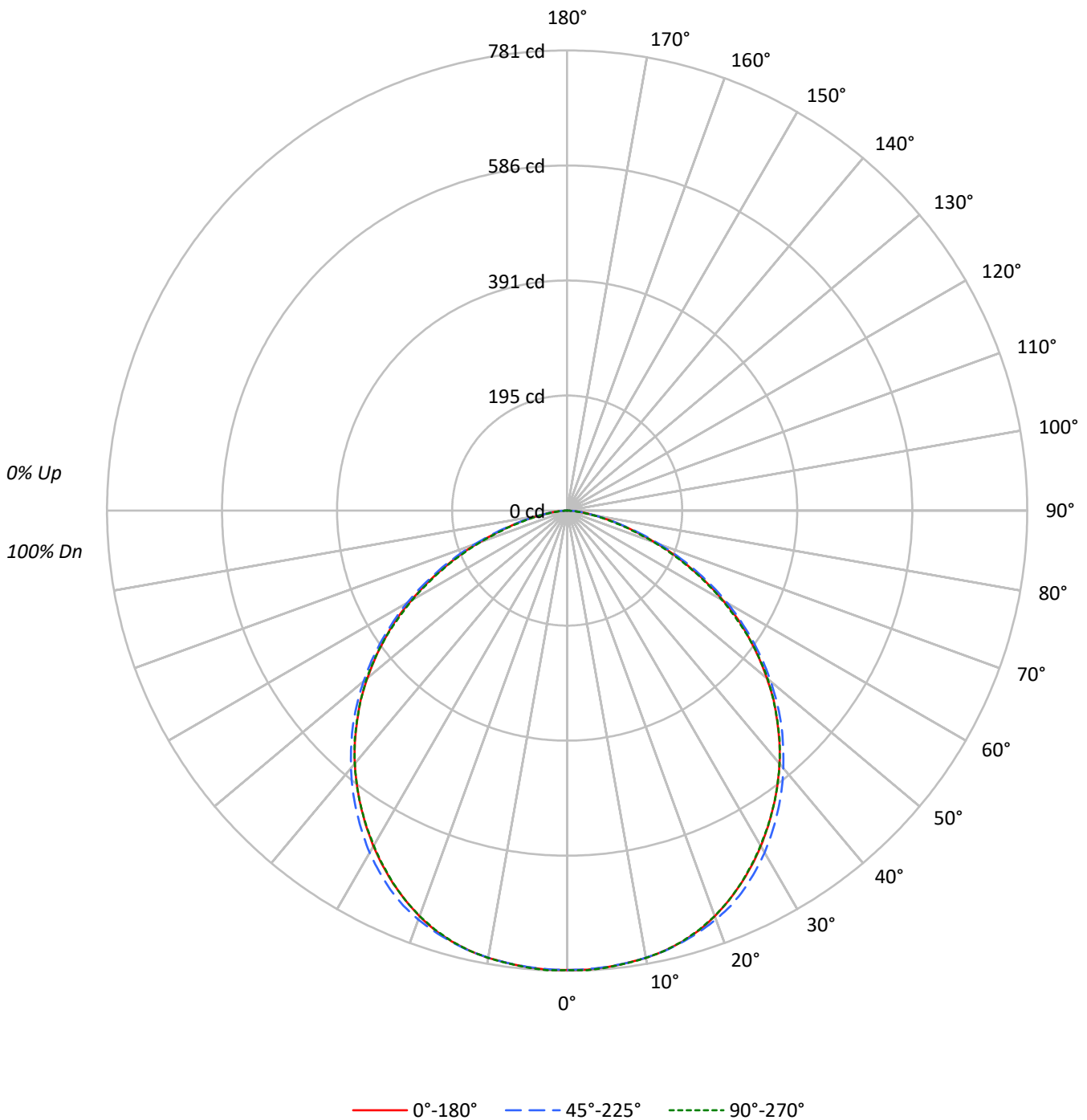
Lumens per Lamp: N/A
Luminaire Lumens: 2095.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (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	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°	2285	2285	2285
5°	2288	2286	2289
10°	2294	2293	2294
15°	2296	2299	2296
20°	2285	2303	2283
25°	2258	2295	2257
30°	2225	2269	2221
35°	2186	2230	2186
40°	2145	2183	2145
45°	2088	2130	2092
50°	2017	2057	2025
55°	1924	1961	1924
60°	1794	1839	1782
65°	1610	1666	1589
70°	1377	1426	1336
75°	1092	1123	1036
80°	783	812	746
85°	518	535	484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	3.5
10°-20°	213.7	10.2
20°-30°	324.2	15.5
30°-40°	387.2	18.5
40°-50°	393.8	18.8
50°-60°	340.6	16.3
60°-70°	234.4	11.2
70°-80°	106.4	5.1
80°-90°	20.6	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°	611.9	29.2
0°-40°	999.2	47.7
0°-60°	1733.6	82.8
0°-90°	2095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	778	777	777	777	778	74
15°	757	758	758	757	757	214
25°	698	705	710	703	698	322
35°	611	622	623	621	611	382
45°	504	513	514	513	505	389
55°	377	383	384	383	377	336
65°	232	239	240	238	229	230
75°	96	100	99	98	92	104
85°	15	16	16	15	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.8	779.8	779.8	779.8	779.8
2.5°	779.8	778.9	779.1	779.3	780.8
5°	777.9	777.1	777.3	777.3	778.4
7.5°	774.6	774.4	774.4	774.1	774.9
10°	770.9	770.4	770.6	770.4	770.9
12.5°	765.2	765.2	765.4	764.7	765.2
15°	757.0	757.5	758.0	756.8	756.8
17.5°	746.6	747.8	749.1	746.8	745.6
20°	732.7	735.7	738.6	735.2	732.2
22.5°	716.6	721.5	726.0	720.5	716.6
25°	698.5	704.7	709.9	703.4	698.0
27.5°	678.9	685.8	690.8	685.3	677.9
30°	657.6	666.0	670.5	665.2	656.5
32.5°	634.8	644.6	647.4	644.2	634.2
35°	611.2	622.1	623.3	621.1	611.2
37.5°	586.6	597.0	598.0	596.8	586.6
40°	560.8	570.5	570.7	570.7	560.8
42.5°	533.3	542.7	542.7	542.4	534.0
45°	504.0	513.2	514.0	513.4	504.8
47.5°	475.0	482.0	483.1	482.2	474.5
50°	442.5	449.7	451.2	450.2	444.3
52.5°	410.2	417.0	418.4	417.7	411.0
55°	376.6	383.0	383.9	383.2	376.6
57.5°	344.1	348.2	349.2	347.8	339.3
60°	306.1	312.1	313.8	312.1	304.1
62.5°	269.4	275.8	277.3	274.8	266.4
65°	232.2	238.6	240.3	238.4	229.2
67.5°	197.0	201.6	203.2	200.9	192.5
70°	160.7	166.7	166.4	163.4	156.0
72.5°	125.0	133.2	131.7	130.0	121.8
75°	96.5	100.2	99.2	98.2	91.5
77.5°	69.0	73.4	71.0	71.2	65.5
80°	46.4	50.6	48.1	47.1	44.2
82.5°	29.5	31.2	30.8	30.3	27.6
85°	15.4	16.4	15.9	15.4	14.4
87.5°	6.0	6.5	6.0	6.0	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)