

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: P738124

Luminaire Tested: **22PT-25-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PW1-L935
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

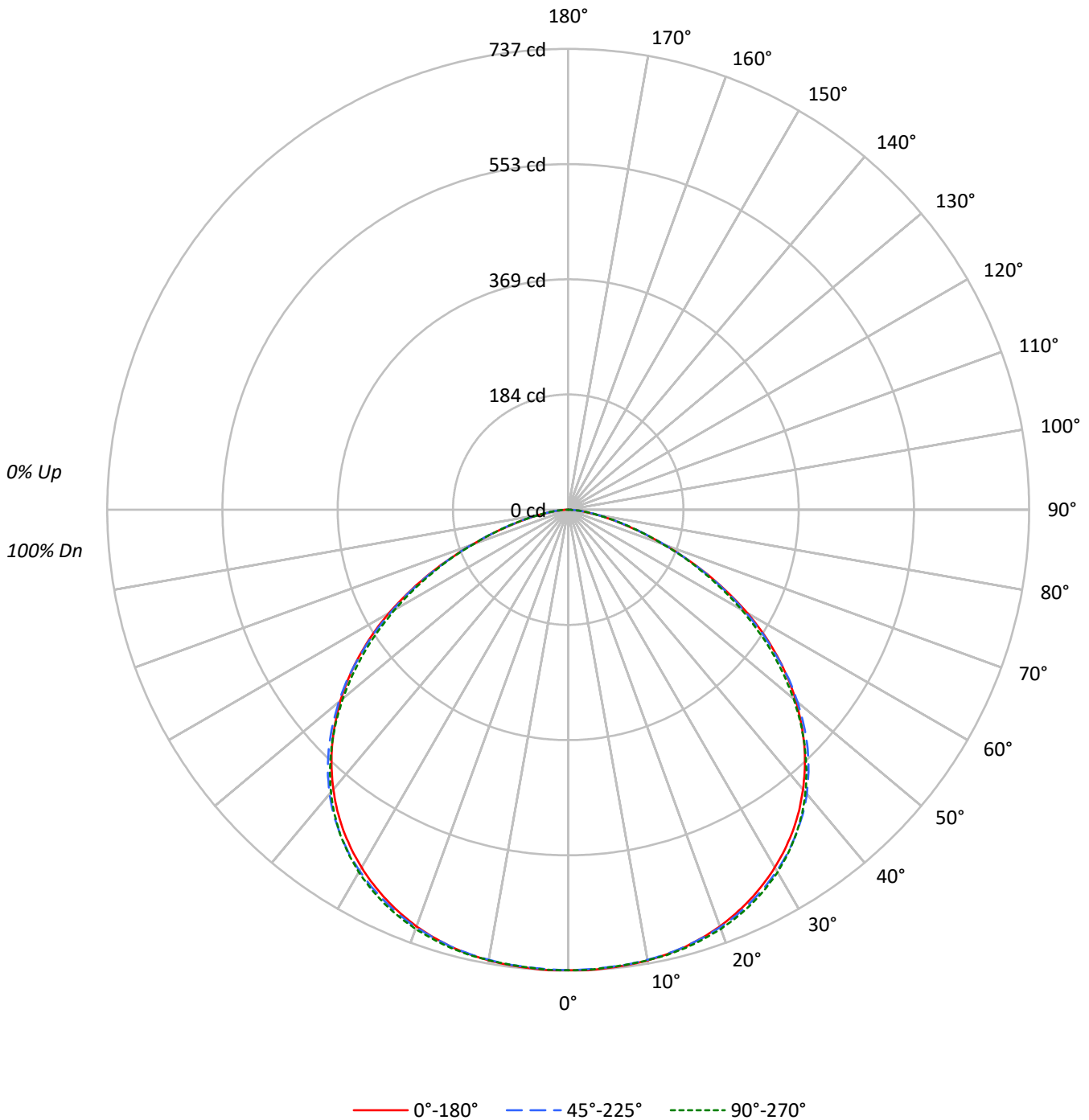
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2129.0 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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

TEST NUMBER: P738124
CATALOG NUMBER: 22PT-25-PW1-L935

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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	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	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	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°	2158	2158	2158
5°	2164	2161	2162
10°	2178	2175	2177
15°	2195	2194	2201
20°	2211	2216	2225
25°	2225	2237	2248
30°	2235	2257	2265
35°	2241	2270	2271
40°	2234	2270	2257
45°	2212	2244	2216
50°	2167	2183	2143
55°	2083	2074	2035
60°	1939	1917	1877
65°	1710	1694	1661
70°	1401	1408	1378
75°	1061	1097	1088
80°	769	800	786
85°	504	521	558



TEST NUMBER: P738124

CATALOG NUMBER: 22PT-25-PW1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	3.3
10°-20°	204.5	9.6
20°-30°	318.9	15.0
30°-40°	395.3	18.6
40°-50°	413.6	19.4
50°-60°	360.4	16.9
60°-70°	241.4	11.3
70°-80°	104.7	4.9
80°-90°	20.1	0.9
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°	593.5	27.9
0°-40°	988.7	46.4
0°-60°	1762.8	82.8
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	736	735	735	734	735	70
15°	724	722	723	724	726	204
25°	688	688	692	694	695	317
35°	626	629	635	635	635	392
45°	534	537	542	537	535	411
55°	408	408	406	401	398	363
65°	247	245	244	242	240	244
75°	94	95	97	96	96	103
85°	15	16	16	16	17	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.5	736.5	736.5	736.5	736.5
2.5°	737.3	736.0	735.7	735.7	736.5
5°	735.7	734.9	734.6	734.4	734.9
7.5°	734.2	733.1	733.4	732.8	733.4
10°	732.1	731.0	731.0	731.0	731.8
12.5°	728.3	727.6	727.9	728.3	729.4
15°	723.6	722.5	723.4	724.1	725.5
17.5°	717.0	716.2	717.6	718.9	719.9
20°	709.2	708.3	710.7	712.6	713.6
22.5°	699.4	699.2	702.3	704.4	705.2
25°	688.1	688.3	692.0	694.1	695.2
27.5°	675.2	675.7	680.5	682.3	683.3
30°	660.7	662.0	667.0	668.6	669.4
32.5°	644.4	646.3	652.3	653.3	653.3
35°	626.5	628.8	634.6	635.4	634.9
37.5°	606.5	609.1	615.7	614.6	613.8
40°	584.1	587.0	593.6	591.5	590.2
42.5°	560.2	563.0	568.8	565.7	563.8
45°	533.9	536.7	541.5	537.0	534.9
47.5°	505.4	508.8	511.2	506.2	503.5
50°	475.4	476.5	478.8	473.0	470.1
52.5°	442.7	442.7	444.6	438.3	434.8
55°	407.7	407.5	405.9	401.4	398.3
57.5°	370.6	369.0	368.0	363.2	359.6
60°	330.9	328.5	327.2	323.3	320.3
62.5°	289.3	288.0	286.4	283.2	280.1
65°	246.6	245.3	244.3	241.9	239.6
67.5°	204.3	203.4	203.4	201.9	201.6
70°	163.5	164.0	164.3	164.3	160.8
72.5°	126.6	126.9	128.2	127.2	126.9
75°	93.7	95.3	96.9	96.1	96.1
77.5°	67.4	69.8	69.8	69.2	68.4
80°	45.6	46.6	47.4	47.1	46.6
82.5°	29.0	29.7	29.0	29.5	29.7
85°	15.0	16.0	15.5	15.8	16.6
87.5°	5.0	5.5	5.8	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)