

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: P738077

Luminaire Tested: **22PT-20-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738077
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-20-PW1-L940
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

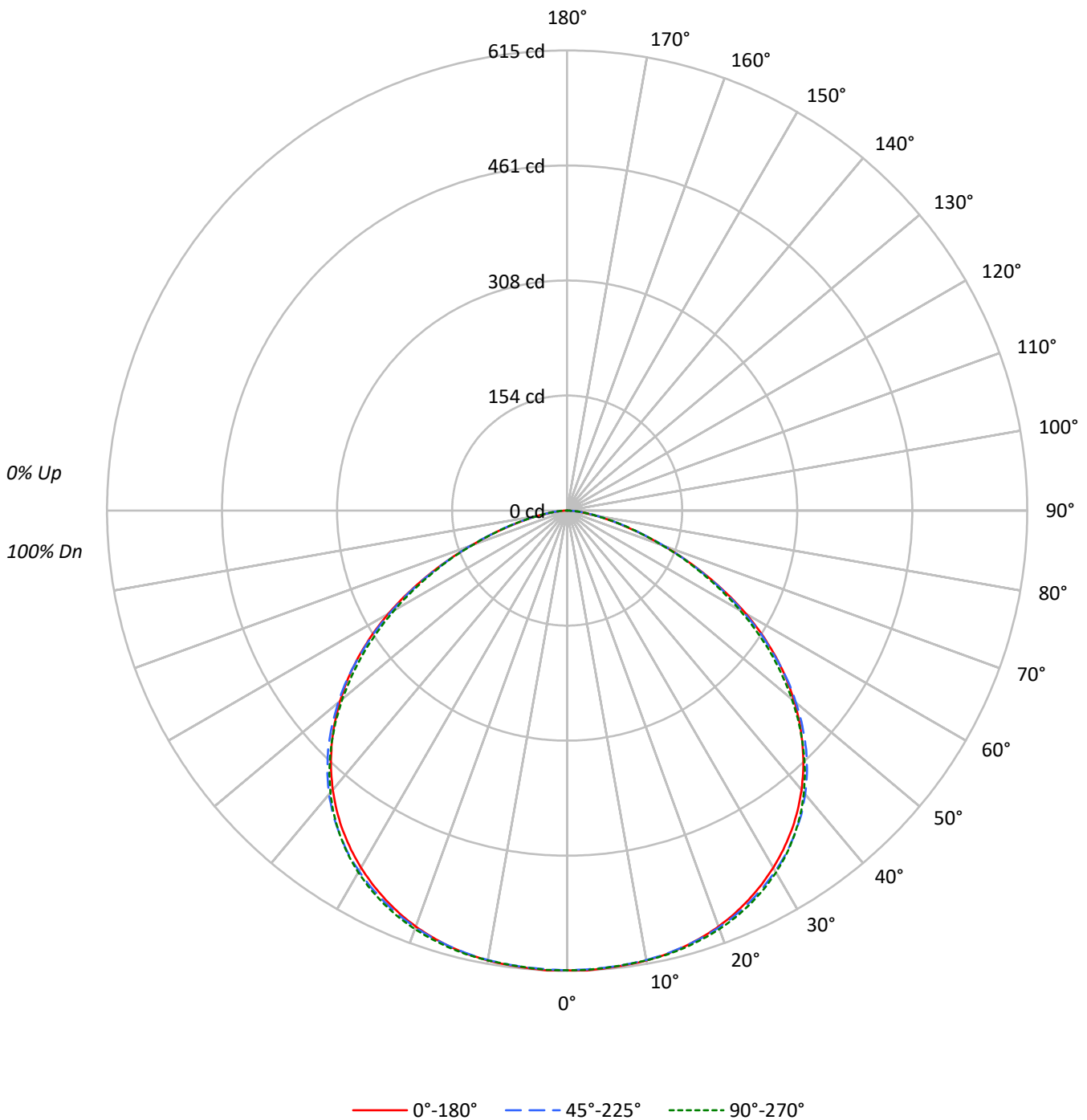
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1776.0 lumens
Efficiency: N/A
Efficacy: 120.0 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): 14.8
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

TEST NUMBER: P738077
CATALOG NUMBER: 22PT-20-PW1-L940

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	84	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°	1800	1800	1800
5°	1805	1802	1803
10°	1817	1814	1816
15°	1831	1830	1836
20°	1845	1849	1856
25°	1856	1866	1875
30°	1865	1882	1889
35°	1869	1894	1894
40°	1864	1894	1883
45°	1845	1872	1849
50°	1808	1821	1788
55°	1737	1730	1698
60°	1617	1599	1566
65°	1426	1413	1385
70°	1169	1174	1150
75°	885	915	908
80°	641	667	656
85°	420	437	464



TEST NUMBER: P738077

CATALOG NUMBER: 22PT-20-PW1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	3.3
10°-20°	170.6	9.6
20°-30°	266.0	15.0
30°-40°	329.7	18.6
40°-50°	345.0	19.4
50°-60°	300.7	16.9
60°-70°	201.4	11.3
70°-80°	87.3	4.9
80°-90°	16.8	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°	495.1	27.9
0°-40°	824.8	46.4
0°-60°	1470.5	82.8
0°-90°	1776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	614	613	613	613	613	58
15°	604	603	603	604	605	171
25°	574	574	577	579	580	265
35°	523	525	529	530	530	327
45°	445	448	452	448	446	343
55°	340	340	339	335	332	303
65°	206	205	204	202	200	204
75°	78	80	81	80	80	86
85°	12	13	13	13	14	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	614.4	614.4	614.4	614.4	614.4
2.5°	615.1	613.9	613.7	613.7	614.4
5°	613.7	613.1	612.8	612.7	613.1
7.5°	612.4	611.6	611.8	611.3	611.8
10°	610.7	609.8	609.8	609.8	610.4
12.5°	607.6	606.9	607.2	607.6	608.5
15°	603.6	602.7	603.4	604.1	605.2
17.5°	598.1	597.5	598.6	599.7	600.6
20°	591.6	590.9	592.9	594.4	595.3
22.5°	583.4	583.2	585.9	587.6	588.3
25°	574.0	574.2	577.3	579.0	579.9
27.5°	563.2	563.7	567.6	569.2	570.0
30°	551.2	552.2	556.4	557.7	558.4
32.5°	537.5	539.1	544.1	545.0	545.0
35°	522.6	524.6	529.4	530.0	529.6
37.5°	505.9	508.1	513.6	512.7	512.1
40°	487.3	489.6	495.1	493.4	492.3
42.5°	467.3	469.7	474.5	471.9	470.3
45°	445.3	447.7	451.7	448.0	446.2
47.5°	421.6	424.4	426.4	422.3	420.1
50°	396.6	397.5	399.4	394.6	392.2
52.5°	369.3	369.3	370.9	365.6	362.7
55°	340.1	339.9	338.6	334.9	332.3
57.5°	309.2	307.8	307.0	303.0	300.0
60°	276.0	274.0	272.9	269.7	267.2
62.5°	241.4	240.2	238.9	236.3	233.6
65°	205.7	204.6	203.8	201.8	199.8
67.5°	170.4	169.7	169.7	168.4	168.2
70°	136.4	136.8	137.0	137.0	134.2
72.5°	105.6	105.8	107.0	106.1	105.8
75°	78.2	79.5	80.8	80.2	80.2
77.5°	56.2	58.2	58.2	57.7	57.1
80°	38.0	38.9	39.5	39.3	38.9
82.5°	24.2	24.8	24.2	24.6	24.8
85°	12.5	13.4	13.0	13.2	13.8
87.5°	4.1	4.6	4.8	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)