

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: P738035

Luminaire Tested: **22PT-20-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PB1-L930
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

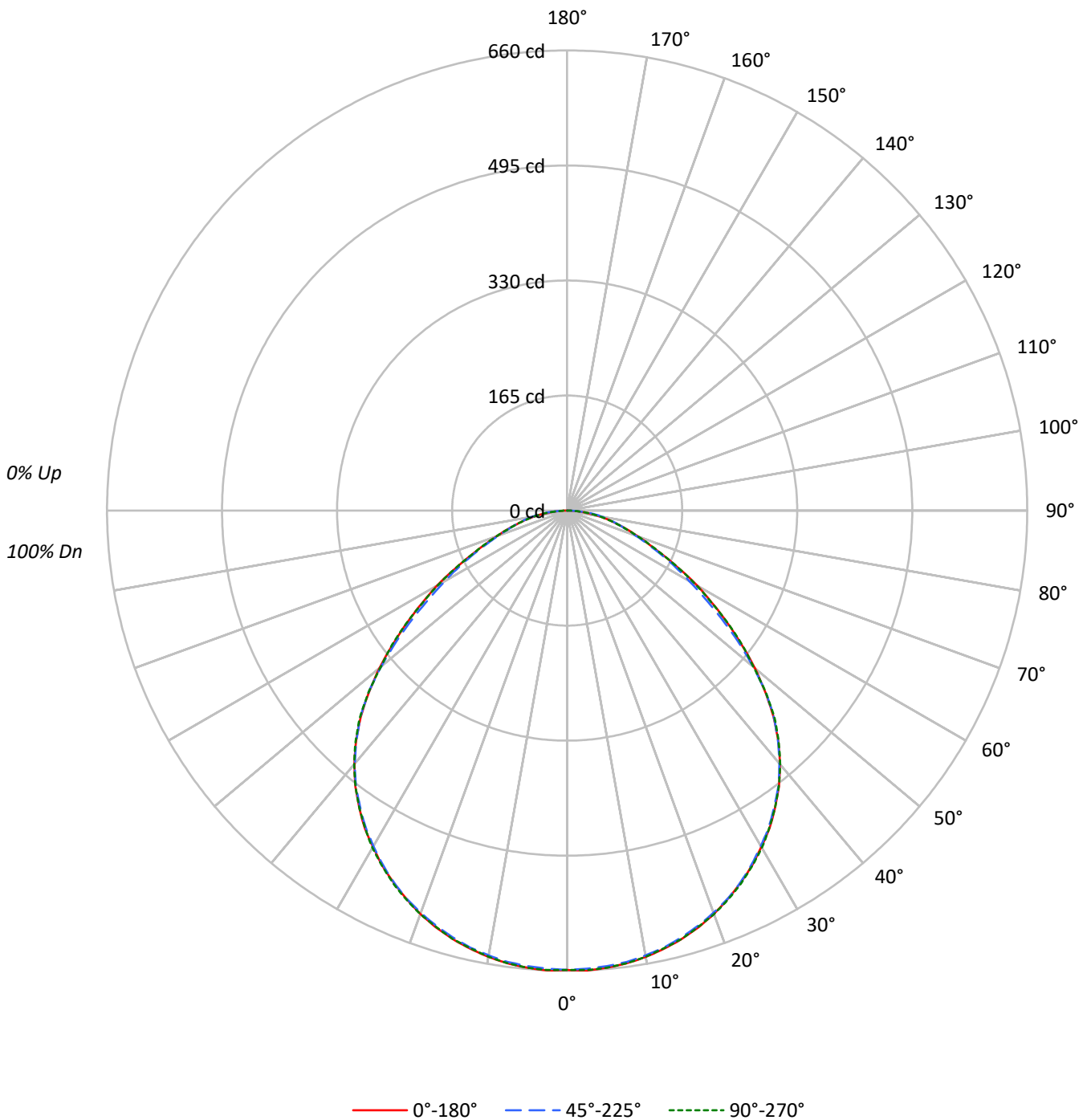
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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 (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: P738035
CATALOG NUMBER: 22PT-20-PB1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738035

CATALOG NUMBER: 22PT-20-PB1-L930

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	98	107	103	99	96	99	96	93		95	92	90		91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67		75	70	65		72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57		67	61	57		65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50		61	54	50		59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44		55	49	44		54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39		50	44	39		49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1930	1930	1930
5°	1935	1929	1935
10°	1934	1927	1933
15°	1929	1922	1929
20°	1920	1914	1920
25°	1904	1902	1908
30°	1885	1880	1890
35°	1859	1853	1859
40°	1816	1812	1818
45°	1735	1738	1745
50°	1602	1588	1590
55°	1431	1383	1436
60°	1263	1187	1255
65°	1058	1025	1058
70°	918	893	923
75°	837	849	837
80°	786	854	791
85°	686	837	703



TEST NUMBER: P738035

CATALOG NUMBER: 22PT-20-PB1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	3.8
10°-20°	179.1	10.8
20°-30°	271.3	16.3
30°-40°	324.4	19.5
40°-50°	321.2	19.3
50°-60°	247.0	14.9
60°-70°	150.4	9.1
70°-80°	79.6	4.8
80°-90°	25.5	1.5
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°	512.9	30.9
0°-40°	837.3	50.4
0°-60°	1405.5	84.6
0°-90°	1661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	659	659	659	659	659	
5°	658	658	656	657	658	63
15°	636	635	634	635	636	179
25°	589	588	588	589	590	271
35°	520	519	518	520	520	325
45°	419	419	419	420	421	321
55°	280	276	271	276	281	251
65°	153	149	148	148	153	154
75°	74	74	75	74	74	79
85°	20	23	25	24	21	23
90°	0	0	0	0	0	



TEST NUMBER: P738035

CATALOG NUMBER: 22PT-20-PB1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.8	658.8	658.8	658.8	658.8
2.5°	660.4	659.3	657.5	658.8	659.6
5°	658.0	657.7	655.8	656.9	658.0
7.5°	655.0	654.2	652.9	654.0	654.8
10°	650.0	649.4	647.8	649.1	649.7
12.5°	643.5	643.0	641.9	643.0	642.7
15°	636.0	635.0	633.6	635.0	635.8
17.5°	626.7	625.6	624.5	625.3	625.8
20°	615.7	614.1	613.8	614.9	615.9
22.5°	602.6	602.6	602.3	603.1	603.6
25°	588.9	588.4	588.4	589.2	590.2
27.5°	574.2	573.1	572.6	573.9	574.7
30°	557.0	556.8	555.7	557.8	558.6
32.5°	540.4	537.7	538.3	539.4	539.6
35°	519.8	519.3	517.9	519.5	519.8
37.5°	498.9	498.6	497.8	498.4	498.6
40°	474.8	474.5	473.7	474.8	475.3
42.5°	448.0	447.5	447.5	448.3	449.1
45°	418.6	418.8	419.4	419.6	421.0
47.5°	385.6	386.2	386.7	386.2	386.4
50°	351.4	351.1	348.4	350.3	348.9
52.5°	315.2	311.2	309.0	313.3	316.3
55°	280.1	276.4	270.7	275.6	281.2
57.5°	246.4	239.9	234.1	239.7	245.3
60°	215.6	205.7	202.5	205.9	214.2
62.5°	182.6	175.7	174.6	175.1	182.4
65°	152.6	148.9	147.8	147.6	152.6
67.5°	128.0	125.6	124.3	125.3	128.5
70°	107.1	106.0	104.2	106.0	107.7
72.5°	90.0	89.7	88.1	89.7	89.2
75°	73.9	73.9	75.0	74.4	73.9
77.5°	60.3	60.8	62.7	61.1	59.5
80°	46.6	47.9	50.6	48.2	46.9
82.5°	33.2	36.2	39.1	36.2	34.3
85°	20.4	23.3	24.9	23.6	20.9
87.5°	8.8	10.4	11.0	10.2	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)