

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: P738058

Luminaire Tested: **22PT-20-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738058
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-20-PP3-L850
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

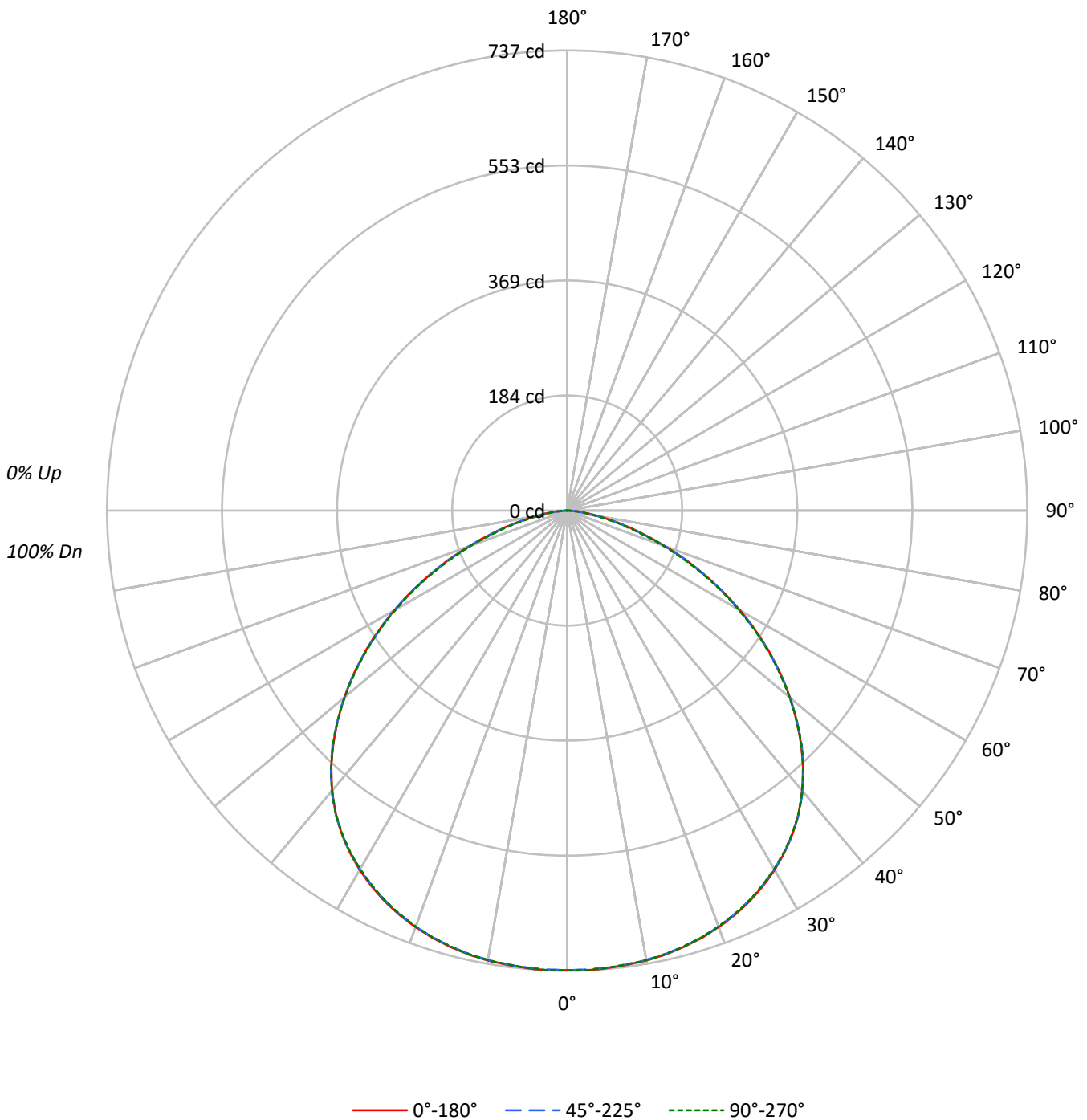
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2112.0 lumens
Efficiency: N/A
Efficacy: 142.7 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): 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

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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°	2157	2157	2157
5°	2164	2161	2162
10°	2177	2174	2176
15°	2194	2192	2192
20°	2213	2211	2210
25°	2233	2229	2229
30°	2249	2245	2243
35°	2255	2255	2252
40°	2240	2245	2240
45°	2196	2202	2199
50°	2122	2125	2120
55°	2020	2015	2011
60°	1875	1871	1856
65°	1675	1674	1654
70°	1432	1423	1392
75°	1141	1107	1073
80°	813	796	754
85°	528	528	511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	3.3
10°-20°	204.2	9.7
20°-30°	318.0	15.1
30°-40°	393.5	18.6
40°-50°	408.1	19.3
50°-60°	351.7	16.7
60°-70°	239.1	11.3
70°-80°	107.0	5.1
80°-90°	20.4	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°	592.2	28.0
0°-40°	985.7	46.7
0°-60°	1745.5	82.6
0°-90°	2112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	736	734	735	734	735	70
15°	723	722	723	722	723	204
25°	691	690	689	689	689	318
35°	630	630	630	630	630	394
45°	530	530	531	530	531	408
55°	396	394	394	394	394	353
65°	242	244	241	241	239	240
75°	101	101	98	97	95	108
85°	16	16	16	15	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.1	736.1	736.1	736.1	736.1
2.5°	737.1	735.6	735.6	735.9	736.7
5°	735.6	734.2	734.7	734.4	735.1
7.5°	733.7	732.5	733.2	732.7	733.2
10°	731.7	730.5	730.7	730.5	731.2
12.5°	728.2	726.8	727.3	727.3	727.6
15°	723.4	722.1	722.6	722.1	722.6
17.5°	717.4	716.0	716.3	716.0	716.5
20°	709.8	708.9	709.1	708.6	708.9
22.5°	701.2	700.0	700.3	699.8	699.8
25°	690.7	689.6	689.4	689.2	689.4
27.5°	678.3	677.2	677.2	676.9	676.9
30°	664.6	663.4	663.4	663.1	663.1
32.5°	648.4	647.9	648.1	647.7	647.4
35°	630.4	629.7	630.4	629.5	629.7
37.5°	609.5	608.6	610.0	609.1	609.3
40°	585.7	585.2	586.9	586.2	585.7
42.5°	559.2	559.2	559.9	560.1	559.6
45°	529.9	529.5	531.4	530.1	530.6
47.5°	498.4	497.7	499.2	498.9	498.7
50°	465.6	465.0	466.2	465.0	465.0
52.5°	431.4	431.1	431.4	430.1	429.8
55°	395.5	394.0	394.5	393.7	393.7
57.5°	358.1	356.4	356.6	356.4	356.6
60°	320.0	319.5	319.3	318.0	316.8
62.5°	281.0	281.4	281.2	279.4	278.2
65°	241.6	243.6	241.4	240.6	238.6
67.5°	204.5	205.2	203.8	202.0	199.8
70°	167.2	168.6	166.1	164.4	162.5
72.5°	131.5	132.5	130.3	129.3	126.8
75°	100.8	101.1	97.8	97.3	94.8
77.5°	71.8	72.7	70.3	70.3	67.8
80°	48.2	49.9	47.2	46.5	44.7
82.5°	30.3	30.5	29.7	29.0	28.3
85°	15.7	16.2	15.7	15.2	15.2
87.5°	5.9	6.1	5.9	5.7	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)