

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: P738404

Luminaire Tested: **24PT-20-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PC3-L935
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

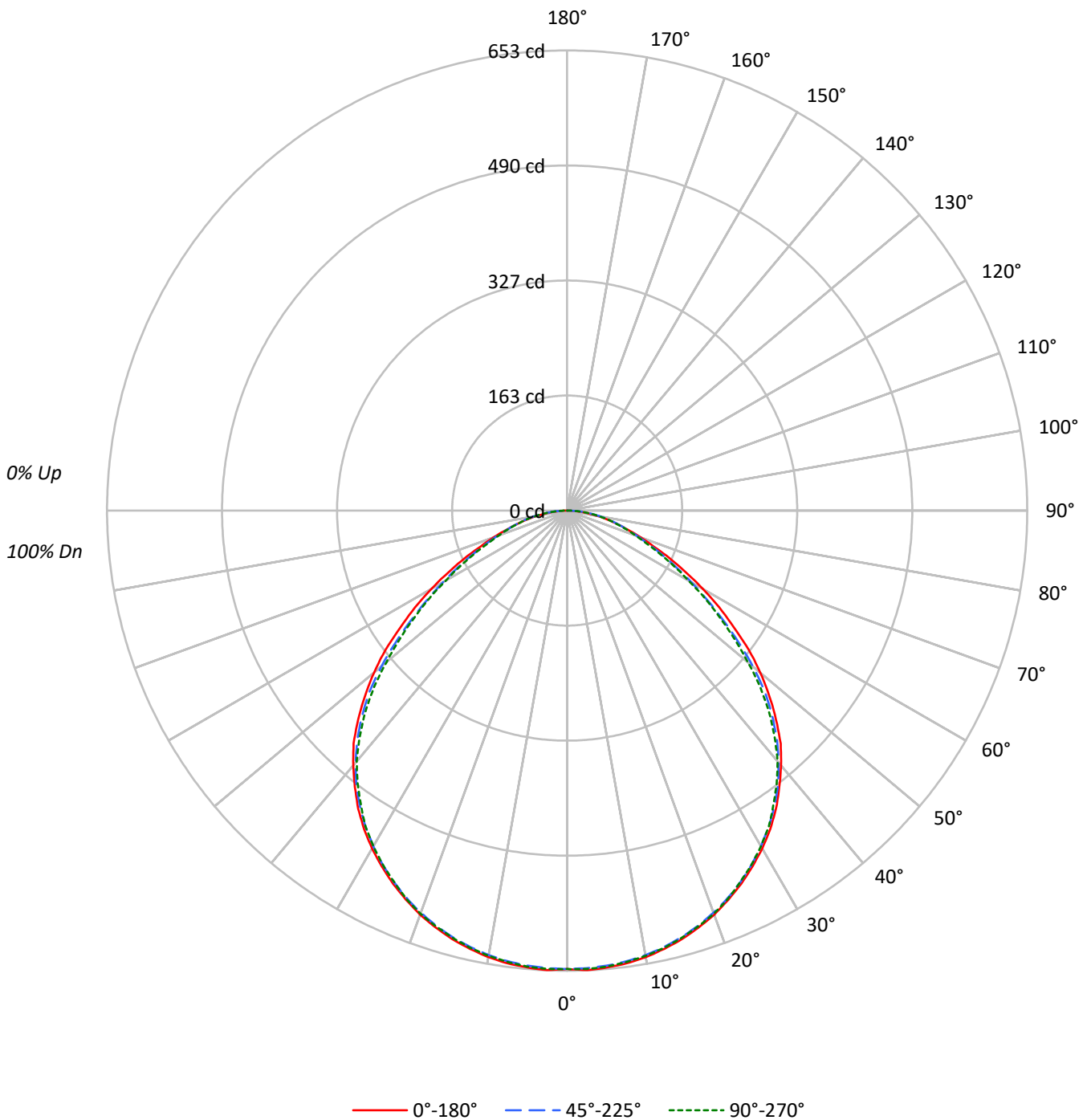
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1641.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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	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°	933	933	933
5°	937	933	935
10°	937	933	934
15°	935	930	932
20°	931	927	929
25°	925	920	920
30°	917	911	910
35°	905	897	893
40°	884	874	870
45°	850	834	822
50°	798	767	747
55°	721	673	660
60°	638	582	571
65°	546	505	492
70°	462	443	430
75°	405	412	398
80°	363	400	378
85°	306	367	349



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.8
10°-20°	177.1	10.8
20°-30°	268.2	16.3
30°-40°	320.4	19.5
40°-50°	316.0	19.3
50°-60°	244.6	14.9
60°-70°	150.4	9.2
70°-80°	78.8	4.8
80°-90°	23.9	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°	506.9	30.9
0°-40°	827.3	50.4
0°-60°	1388.0	84.6
0°-90°	1641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	651	651	651	651	651	
5°	651	649	648	648	650	62
15°	630	628	627	626	628	178
25°	584	583	582	581	581	269
35°	517	514	513	511	510	323
45°	419	416	411	407	406	322
55°	289	281	269	265	264	259
65°	161	153	149	144	145	160
75°	73	74	74	73	72	79
85°	19	21	22	22	21	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	650.6	650.6	650.6	650.6	650.6
2.5°	652.7	650.7	649.8	649.7	651.1
5°	650.9	648.9	648.2	647.8	649.5
7.5°	648.0	645.9	645.1	644.6	646.0
10°	643.5	641.3	640.6	640.2	641.5
12.5°	637.0	635.0	634.4	633.9	635.5
15°	629.7	627.7	626.8	626.3	627.6
17.5°	620.3	618.7	617.6	617.6	618.7
20°	610.2	608.2	607.3	606.7	608.6
22.5°	597.7	596.4	595.3	594.4	596.4
25°	584.5	582.7	581.6	581.2	581.4
27.5°	569.4	568.2	566.7	566.2	566.5
30°	553.7	552.1	550.1	549.0	549.9
32.5°	536.1	533.8	532.1	531.1	532.3
35°	516.8	514.4	512.6	511.0	510.2
37.5°	494.7	493.9	491.4	488.5	488.3
40°	472.4	470.4	466.8	465.5	464.6
42.5°	448.5	444.3	440.5	436.9	435.6
45°	419.2	416.1	411.4	407.0	405.6
47.5°	389.1	385.1	380.6	373.0	372.1
50°	357.8	352.0	344.0	337.7	335.0
52.5°	325.2	317.4	306.4	300.9	299.5
55°	288.6	280.8	269.1	265.1	264.0
57.5°	256.0	244.6	235.0	230.5	231.9
60°	222.5	211.5	203.0	198.6	199.0
62.5°	189.8	181.1	174.7	170.6	171.1
65°	160.8	153.4	148.7	144.3	144.9
67.5°	132.4	128.9	125.5	122.9	121.5
70°	110.3	108.8	105.6	103.2	102.5
72.5°	90.2	91.1	88.4	87.6	87.5
75°	73.1	73.9	74.4	73.0	71.9
77.5°	58.5	59.6	61.7	59.8	59.4
80°	44.0	46.2	48.5	47.3	45.8
82.5°	30.8	33.5	35.7	34.0	33.3
85°	18.6	20.8	22.3	21.7	21.2
87.5°	8.3	9.1	9.8	10.0	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)