

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: P738406

Luminaire Tested: **24PT-20-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738406
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-L950
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

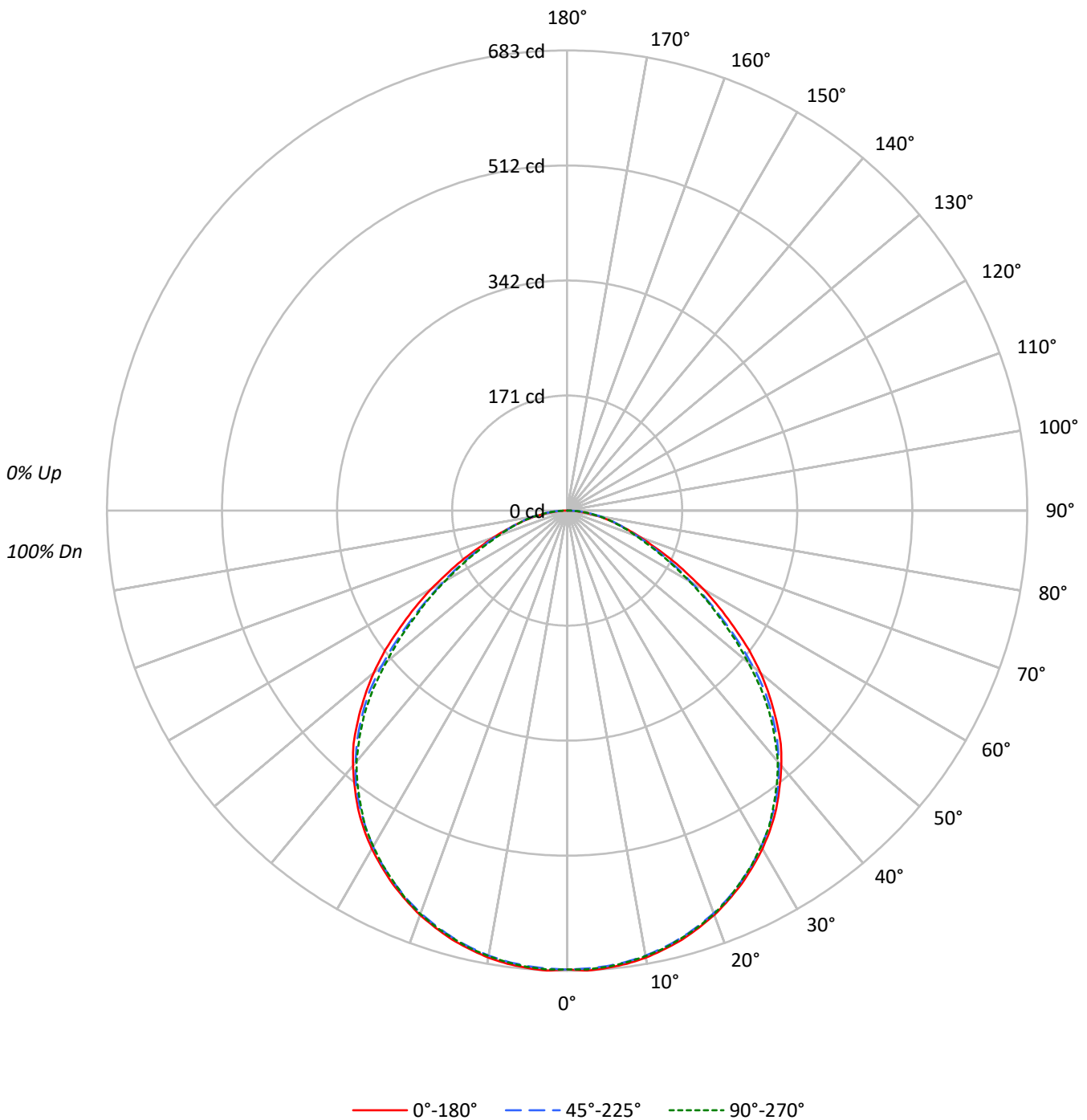
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1718.0 lumens
Efficiency: N/A
Efficacy: 113.8 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 (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

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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°	977	977	977
5°	981	977	979
10°	981	977	978
15°	979	974	975
20°	975	970	972
25°	968	963	963
30°	960	954	953
35°	947	939	935
40°	926	915	910
45°	890	873	861
50°	836	803	782
55°	755	704	691
60°	668	609	597
65°	571	528	514
70°	484	463	450
75°	424	432	417
80°	381	419	396
85°	321	383	365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	3.8
10°-20°	185.4	10.8
20°-30°	280.8	16.3
30°-40°	335.4	19.5
40°-50°	330.8	19.3
50°-60°	256.1	14.9
60°-70°	157.4	9.2
70°-80°	82.5	4.8
80°-90°	25.0	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°	530.7	30.9
0°-40°	866.1	50.4
0°-60°	1453.1	84.6
0°-90°	1718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1718.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	682	679	679	678	680	65
15°	659	657	656	656	657	186
25°	612	610	609	608	609	282
35°	541	538	537	535	534	338
45°	439	436	431	426	425	338
55°	302	294	282	278	276	271
65°	168	161	156	151	152	168
75°	77	77	78	76	75	83
85°	20	22	23	23	22	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.1	681.1	681.1	681.1	681.1
2.5°	683.4	681.3	680.3	680.1	681.7
5°	681.5	679.4	678.6	678.2	679.9
7.5°	678.4	676.2	675.4	674.8	676.3
10°	673.7	671.4	670.7	670.3	671.6
12.5°	666.9	664.8	664.2	663.6	665.4
15°	659.3	657.2	656.3	655.7	657.0
17.5°	649.4	647.7	646.6	646.6	647.7
20°	638.8	636.7	635.8	635.2	637.1
22.5°	625.7	624.4	623.3	622.3	624.4
25°	611.9	610.0	608.9	608.5	608.7
27.5°	596.2	594.8	593.3	592.8	593.1
30°	579.7	578.0	575.9	574.7	575.7
32.5°	561.3	558.8	557.1	556.0	557.3
35°	541.0	538.5	536.6	534.9	534.2
37.5°	517.9	517.1	514.5	511.4	511.2
40°	494.6	492.5	488.7	487.4	486.4
42.5°	469.5	465.2	461.2	457.4	456.1
45°	438.8	435.6	430.7	426.1	424.6
47.5°	407.4	403.2	398.5	390.5	389.5
50°	374.6	368.5	360.2	353.5	350.7
52.5°	340.4	332.3	320.7	315.0	313.5
55°	302.2	294.0	281.7	277.5	276.4
57.5°	268.0	256.1	246.0	241.3	242.8
60°	233.0	221.4	212.5	207.9	208.3
62.5°	198.7	189.6	182.9	178.6	179.1
65°	168.3	160.6	155.6	151.1	151.6
67.5°	138.6	135.0	131.4	128.7	127.2
70°	115.4	113.9	110.5	108.0	107.3
72.5°	94.4	95.3	92.5	91.7	91.6
75°	76.6	77.3	77.9	76.4	75.3
77.5°	61.2	62.4	64.6	62.6	62.2
80°	46.1	48.3	50.8	49.5	48.0
82.5°	32.2	35.1	37.3	35.6	34.9
85°	19.5	21.8	23.3	22.7	22.2
87.5°	8.7	9.5	10.2	10.4	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)