

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: P738429

Luminaire Tested: **24PT-20-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PW1-L940
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

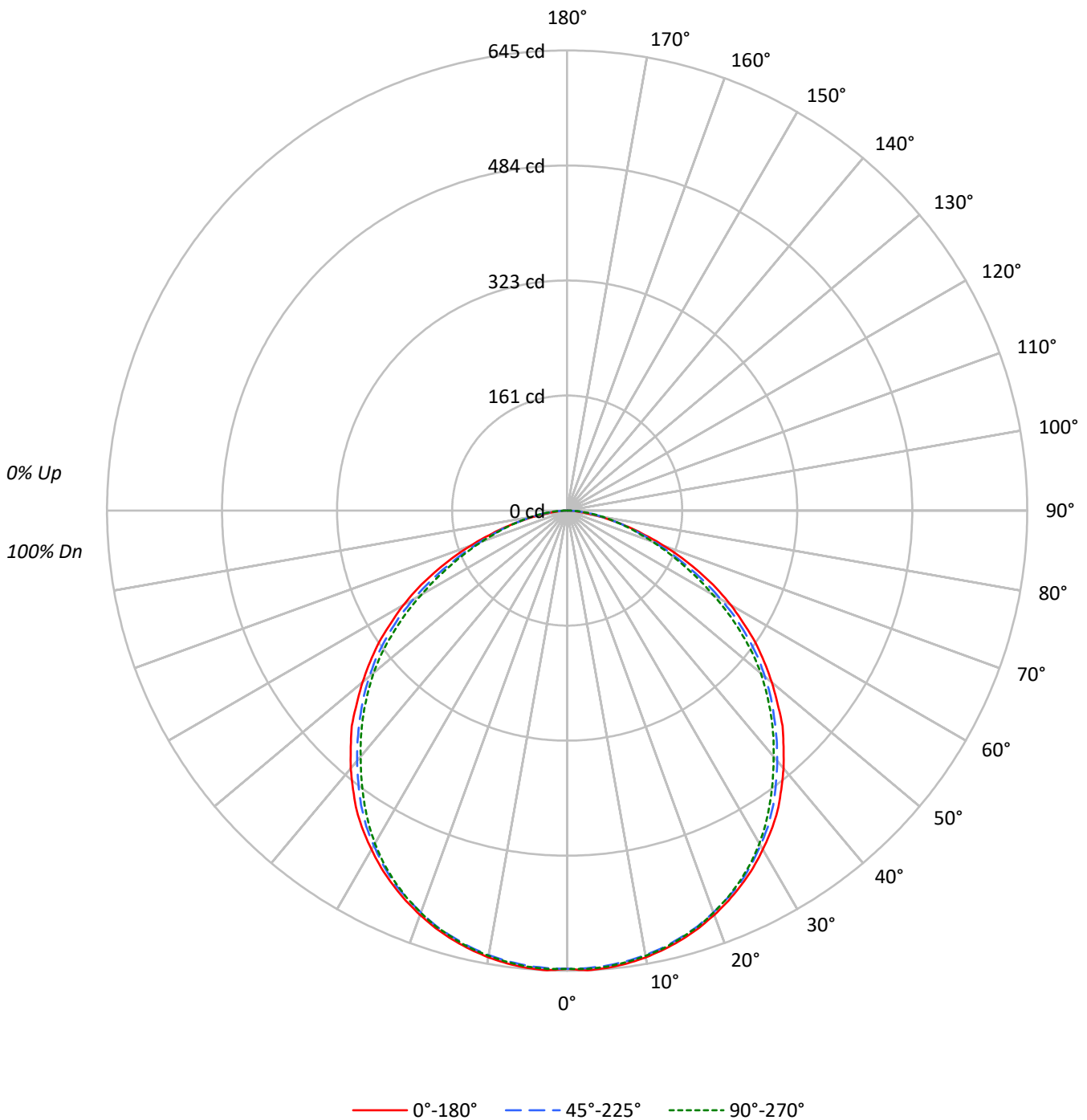
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1713.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	921	921	921
5°	926	922	924
10°	926	921	923
15°	924	919	920
20°	920	915	915
25°	915	910	907
30°	908	898	892
35°	900	882	869
40°	883	857	843
45°	866	832	819
50°	835	807	790
55°	805	770	742
60°	761	714	677
65°	696	636	603
70°	603	551	531
75°	494	475	469
80°	360	406	419
85°	242	339	360



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	3.6
10°-20°	174.9	10.2
20°-30°	264.7	15.5
30°-40°	315.0	18.4
40°-50°	318.2	18.6
50°-60°	275.3	16.1
60°-70°	188.1	11.0
70°-80°	92.7	5.4
80°-90°	23.2	1.4
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°	500.6	29.2
0°-40°	815.6	47.6
0°-60°	1409.1	82.3
0°-90°	1713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	642	642	642	642	642	
5°	644	641	640	640	642	61
15°	622	620	619	619	620	176
25°	578	576	575	573	573	267
35°	514	510	504	498	497	321
45°	427	420	410	406	404	328
55°	322	317	308	302	297	287
65°	205	197	187	181	178	203
75°	89	87	86	85	85	95
85°	15	18	21	21	22	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	642.4	642.4	642.4	642.4	642.4
2.5°	645.0	642.6	641.9	641.3	643.0
5°	643.6	641.1	640.4	639.8	641.7
7.5°	640.4	638.0	637.2	636.7	638.2
10°	635.8	633.5	632.8	632.2	633.9
12.5°	629.8	627.8	626.8	626.1	628.0
15°	622.4	620.3	619.0	618.7	619.8
17.5°	613.5	611.4	610.5	609.9	611.2
20°	603.1	600.8	599.5	598.8	599.9
22.5°	591.6	589.3	587.7	586.9	587.3
25°	578.5	576.3	575.2	573.0	573.0
27.5°	564.6	562.0	559.2	556.8	557.0
30°	548.5	545.5	542.1	539.0	538.8
32.5°	532.1	528.4	524.3	520.0	518.7
35°	514.1	509.8	503.7	498.1	496.6
37.5°	492.9	489.0	480.9	476.2	473.8
40°	471.9	466.4	458.0	452.6	450.4
42.5°	448.9	443.5	434.6	429.6	427.7
45°	427.0	419.8	410.5	405.8	403.8
47.5°	399.7	393.7	387.2	381.9	379.3
50°	374.4	369.6	361.8	355.9	354.2
52.5°	348.1	344.0	336.5	328.7	326.9
55°	321.9	317.4	308.1	301.6	297.0
57.5°	292.3	288.4	279.7	271.4	267.3
60°	265.2	258.5	248.9	239.8	236.1
62.5°	235.7	229.2	218.0	208.8	206.7
65°	205.2	197.4	187.4	181.3	177.7
67.5°	174.4	166.8	158.4	154.5	152.3
70°	143.9	137.8	131.5	128.7	126.7
72.5°	114.6	111.1	107.5	106.4	104.6
75°	89.2	86.6	85.8	85.3	84.7
77.5°	64.3	65.6	66.3	67.0	66.3
80°	43.6	46.4	49.2	50.7	50.7
82.5°	26.9	31.8	34.2	35.7	35.5
85°	14.7	18.2	20.6	21.4	21.9
87.5°	5.9	7.4	8.4	9.1	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)