

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: P738419

Luminaire Tested: **24PT-20-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PR1-L930
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

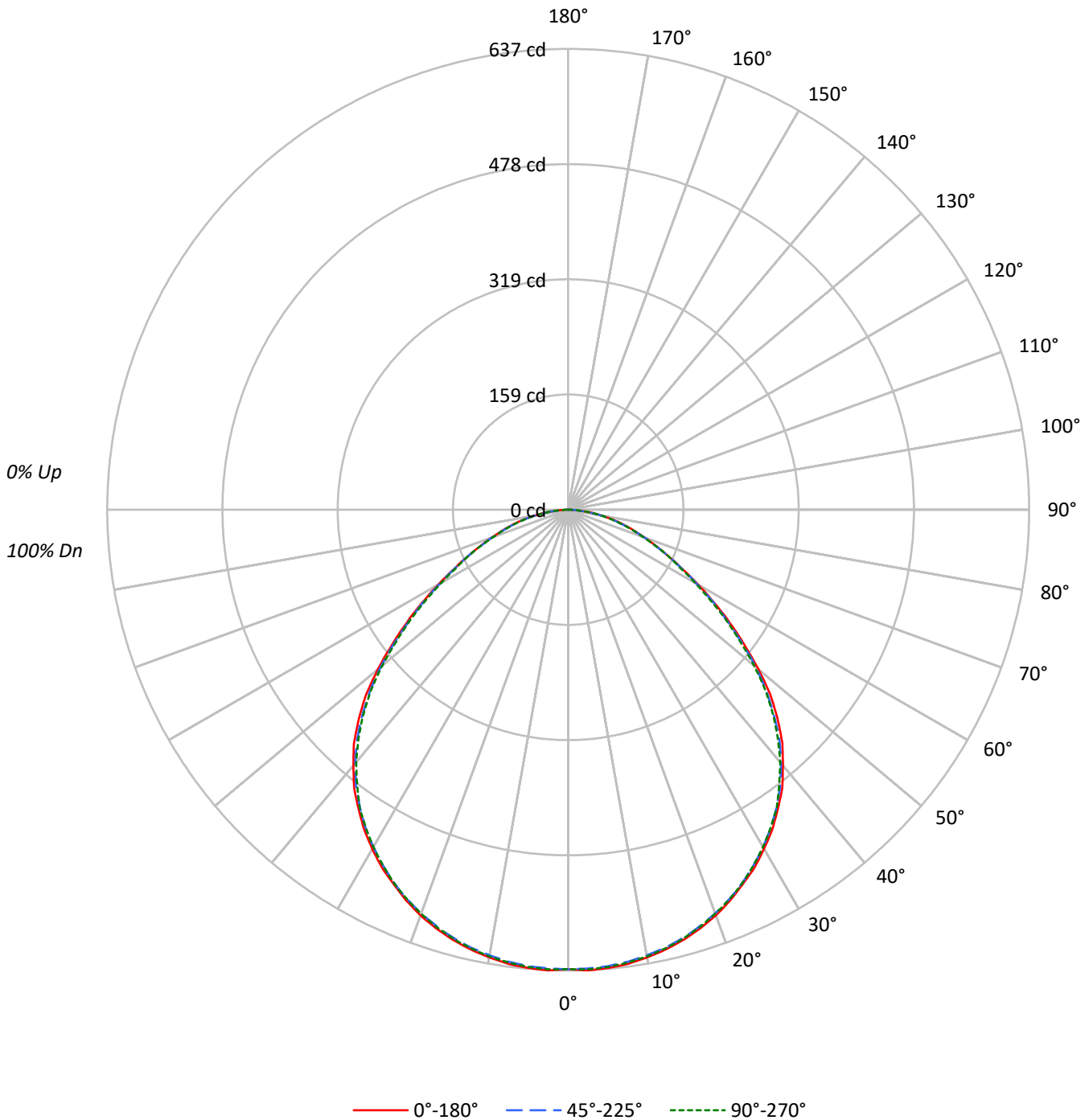
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1618.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57		67	61	56		65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50		60	54	49		59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44		55	48	43		53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39		50	44	39		49	43	38	36
8	62	49	41	35	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		42	36	31		41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29		39	33	29		38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	911	911	911
5°	915	911	913
10°	915	911	913
15°	914	910	911
20°	911	906	907
25°	903	901	901
30°	896	891	891
35°	884	879	880
40°	864	857	853
45°	829	816	812
50°	766	754	747
55°	681	672	667
60°	594	588	581
65°	520	521	518
70°	468	467	460
75°	437	423	424
80°	390	382	382
85°	301	309	298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.7
10°-20°	173.1	10.7
20°-30°	262.4	16.2
30°-40°	313.8	19.4
40°-50°	309.8	19.1
50°-60°	241.1	14.9
60°-70°	153.1	9.5
70°-80°	82.2	5.1
80°-90°	22.3	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°	495.7	30.6
0°-40°	809.5	50.0
0°-60°	1360.4	84.1
0°-90°	1618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1618.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	636	634	633	633	634	60
15°	616	613	613	612	614	174
25°	571	570	569	568	570	263
35°	505	504	502	500	502	316
45°	409	406	402	400	400	314
55°	273	271	269	267	267	244
65°	153	154	154	152	153	154
75°	79	78	76	76	77	83
85°	18	19	19	19	18	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.3	635.3	635.3	635.3	635.3
2.5°	637.4	635.3	634.6	634.3	635.9
5°	635.9	633.9	633.2	632.8	634.3
7.5°	633.2	630.9	630.2	629.8	631.4
10°	628.4	626.3	625.4	625.4	626.8
12.5°	622.7	621.0	620.1	619.4	621.0
15°	615.5	613.3	612.8	612.1	613.9
17.5°	606.8	604.6	603.9	603.6	604.8
20°	596.8	594.2	593.8	593.6	594.3
22.5°	584.6	583.2	582.5	582.1	582.6
25°	570.9	569.9	569.2	568.1	569.5
27.5°	557.6	556.2	554.4	553.6	554.4
30°	541.3	539.5	538.3	537.9	538.3
32.5°	524.5	522.7	521.1	520.9	520.7
35°	505.0	503.9	501.9	500.3	502.5
37.5°	485.6	483.1	481.4	479.4	478.9
40°	461.5	460.6	457.6	455.8	455.7
42.5°	438.1	434.0	431.9	430.6	428.7
45°	409.0	406.2	402.4	400.5	400.3
47.5°	378.7	375.1	371.6	368.9	369.6
50°	343.2	341.6	338.2	335.9	335.0
52.5°	306.7	306.3	302.8	301.3	299.7
55°	272.6	271.2	268.7	266.9	266.9
57.5°	239.1	237.8	236.6	233.2	233.2
60°	207.2	207.0	204.9	202.9	202.7
62.5°	178.6	179.7	177.7	175.8	174.7
65°	153.4	154.0	153.6	151.6	152.7
67.5°	131.3	131.4	130.7	129.7	130.4
70°	111.7	112.6	111.4	110.7	109.8
72.5°	94.7	94.4	93.3	93.8	92.6
75°	78.8	77.5	76.4	76.3	76.6
77.5°	62.8	62.4	61.5	61.5	61.0
80°	47.2	46.8	46.3	46.5	46.3
82.5°	33.5	32.6	31.9	32.3	32.5
85°	18.3	18.6	18.8	18.8	18.1
87.5°	7.4	7.3	7.4	7.8	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)