

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: P737742

Luminaire Tested: **14PT-20-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PR1-L950
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

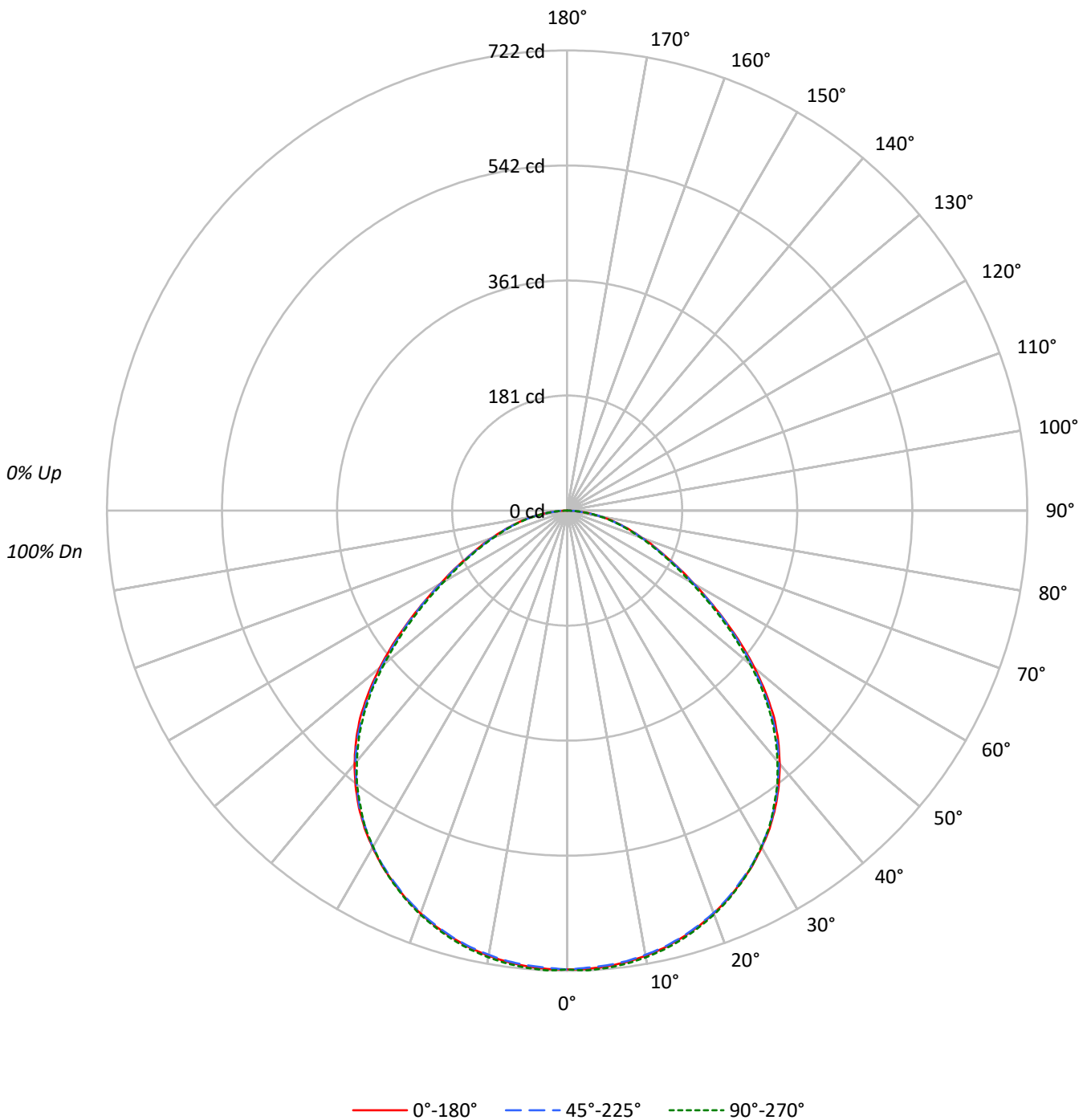
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1821.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 16.2
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	85
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	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2159	2159	2159
5°	2161	2156	2168
10°	2159	2155	2167
15°	2155	2152	2162
20°	2146	2143	2152
25°	2132	2127	2134
30°	2113	2110	2108
35°	2084	2079	2070
40°	2031	2023	2009
45°	1947	1925	1911
50°	1791	1771	1749
55°	1585	1579	1547
60°	1377	1373	1335
65°	1214	1207	1183
70°	1102	1086	1063
75°	1019	995	978
80°	931	919	887
85°	736	729	702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	3.8
10°-20°	196.0	10.8
20°-30°	297.0	16.3
30°-40°	354.5	19.5
40°-50°	348.7	19.1
50°-60°	269.5	14.8
60°-70°	169.9	9.3
70°-80°	91.9	5.0
80°-90°	25.1	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°	561.3	30.8
0°-40°	915.9	50.3
0°-60°	1534.0	84.2
0°-90°	1821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	718	718	716	720	720	68
15°	694	694	693	696	697	196
25°	644	645	643	645	645	297
35°	569	570	568	567	566	355
45°	459	457	454	450	451	352
55°	303	306	302	297	296	272
65°	171	171	170	167	167	172
75°	88	87	86	86	84	94
85°	21	22	21	21	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	720.0	720.0	720.0	720.0	720.0
2.5°	719.8	720.0	718.0	721.3	722.1
5°	718.0	718.2	716.4	719.5	720.3
7.5°	714.4	714.9	713.1	716.2	717.0
10°	709.2	709.7	707.9	711.0	711.8
12.5°	702.8	703.0	701.5	704.3	705.1
15°	694.2	694.5	693.2	695.5	696.6
17.5°	684.4	684.7	682.9	685.7	686.2
20°	672.6	672.8	671.8	674.1	674.4
22.5°	659.4	659.9	658.4	660.4	660.7
25°	644.4	644.9	642.9	644.9	645.2
27.5°	628.7	628.9	627.1	628.7	628.4
30°	610.4	611.9	609.6	609.1	608.8
32.5°	591.3	591.5	589.2	588.7	589.7
35°	569.3	569.6	568.0	567.3	565.7
37.5°	545.3	545.3	542.5	542.0	541.7
40°	519.0	518.7	516.9	515.1	513.3
42.5°	490.4	490.9	487.3	484.2	483.6
45°	459.1	457.3	454.0	450.4	450.6
47.5°	422.2	422.7	418.1	415.3	414.5
50°	384.0	384.0	379.6	376.5	375.0
52.5°	344.0	344.3	340.2	336.0	335.2
55°	303.2	305.8	302.0	297.1	296.0
57.5°	265.0	267.1	263.5	258.3	258.1
60°	229.7	230.0	228.9	224.0	222.7
62.5°	199.5	198.2	197.7	195.1	193.6
65°	171.1	171.4	170.1	167.2	166.7
67.5°	148.1	147.9	145.6	143.8	142.7
70°	125.7	124.9	123.9	122.3	121.3
72.5°	105.6	105.6	104.8	104.3	102.5
75°	88.0	87.0	85.9	86.5	84.4
77.5°	71.2	70.2	69.4	68.4	67.9
80°	53.9	52.9	53.2	51.6	51.4
82.5°	37.4	37.4	36.9	35.6	35.9
85°	21.4	21.7	21.2	21.4	20.4
87.5°	7.7	8.0	8.5	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)