

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: P737718

Luminaire Tested: **14PT-20-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PC3-L950
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

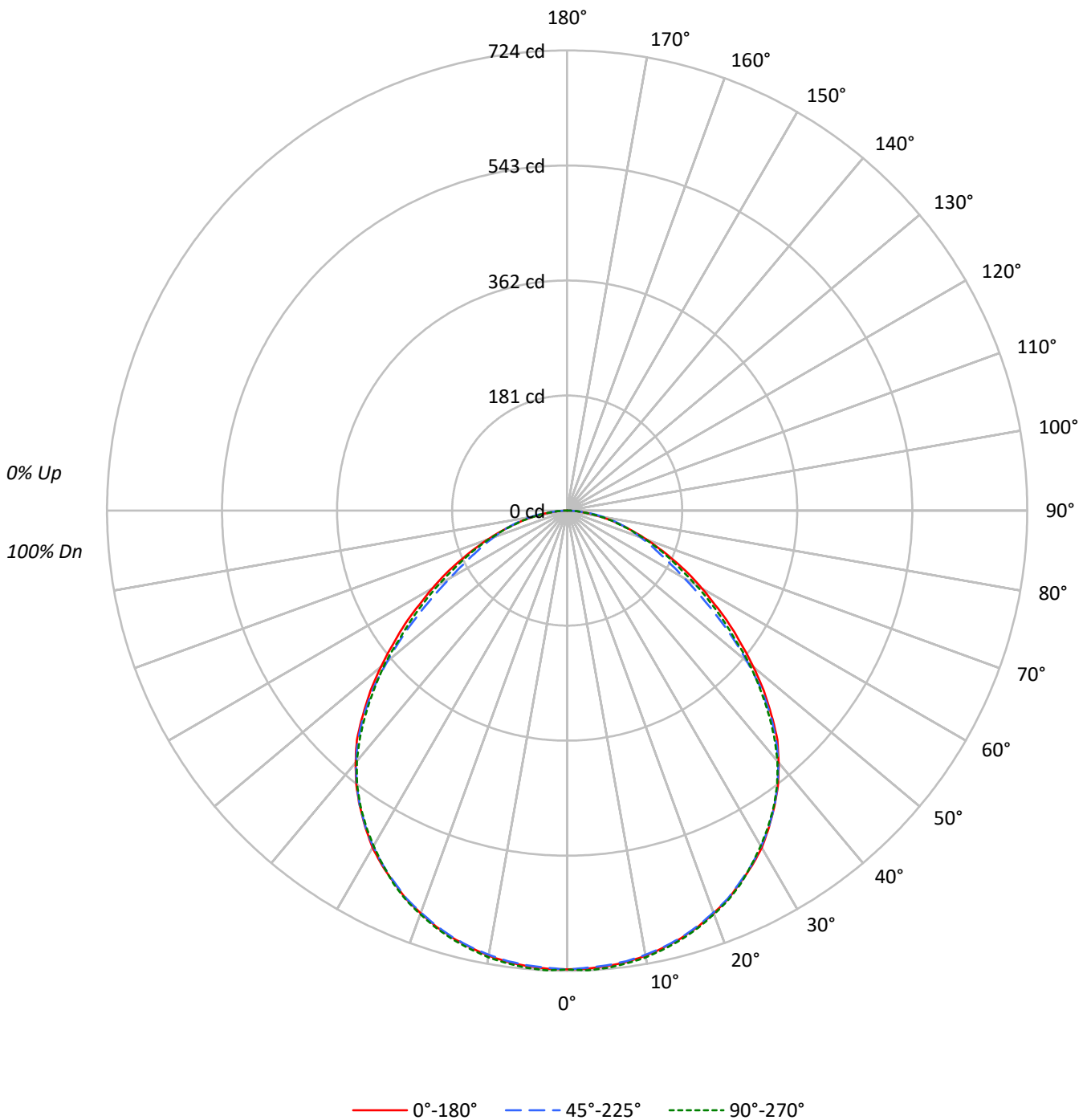
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1820.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	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	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2164	2164	2164
5°	2165	2161	2173
10°	2165	2161	2173
15°	2160	2157	2167
20°	2150	2147	2156
25°	2135	2132	2141
30°	2119	2112	2109
35°	2081	2079	2075
40°	2026	2023	2014
45°	1927	1913	1893
50°	1784	1723	1743
55°	1628	1495	1563
60°	1468	1276	1400
65°	1312	1141	1258
70°	1163	1080	1132
75°	1029	1047	1008
80°	887	998	882
85°	667	791	667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	3.8
10°-20°	196.5	10.8
20°-30°	297.6	16.3
30°-40°	354.8	19.5
40°-50°	346.6	19.0
50°-60°	265.1	14.6
60°-70°	170.2	9.4
70°-80°	94.7	5.2
80°-90°	26.1	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°	562.6	30.9
0°-40°	917.3	50.4
0°-60°	1529.0	84.0
0°-90°	1820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	719	720	718	721	722	68
15°	696	696	695	697	698	196
25°	646	646	644	646	647	298
35°	569	569	568	568	567	355
45°	454	456	451	450	446	350
55°	311	301	286	290	299	278
65°	185	171	161	166	177	184
75°	89	90	90	89	87	95
85°	19	23	23	22	19	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	721.9	721.9	721.9	721.9	721.9
2.5°	721.4	721.7	719.9	723.0	724.0
5°	719.4	719.9	718.1	721.4	722.2
7.5°	716.3	716.8	715.0	718.3	718.6
10°	711.1	711.4	709.8	713.2	713.7
12.5°	704.1	704.9	703.1	706.2	706.4
15°	695.9	696.4	695.1	697.4	698.2
17.5°	686.1	686.3	685.0	687.6	687.9
20°	673.9	673.9	672.9	675.7	675.7
22.5°	661.5	660.7	660.5	661.5	663.1
25°	645.5	646.3	644.5	646.5	647.1
27.5°	630.0	630.0	628.5	629.5	628.2
30°	612.2	611.2	610.1	610.4	609.1
32.5°	590.8	590.8	590.3	590.3	588.7
35°	568.6	569.1	568.1	567.8	567.0
37.5°	544.8	545.6	543.8	543.3	542.7
40°	517.7	517.7	516.9	515.9	514.6
42.5°	489.6	489.6	486.2	483.6	481.8
45°	454.4	455.5	451.1	450.1	446.4
47.5°	419.6	418.8	412.9	412.1	410.0
50°	382.4	378.0	369.5	371.8	373.6
52.5°	345.2	339.8	327.4	330.0	333.1
55°	311.4	300.6	286.1	289.7	299.0
57.5°	276.0	261.6	247.1	253.8	265.4
60°	244.8	228.5	212.8	220.0	233.4
62.5°	214.8	197.5	184.9	191.8	203.2
65°	184.9	170.7	160.9	166.3	177.4
67.5°	157.5	148.0	141.2	143.8	152.9
70°	132.7	126.8	123.2	123.9	129.1
72.5°	109.2	107.7	106.4	106.4	106.9
75°	88.8	89.6	90.4	89.1	87.0
77.5°	70.0	72.6	74.4	71.8	69.2
80°	51.4	55.5	57.8	55.0	51.1
82.5°	35.1	39.8	40.5	38.7	34.3
85°	19.4	22.7	23.0	22.2	19.4
87.5°	7.2	8.5	9.3	8.5	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)