

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: P737749

Luminaire Tested: **14PT-20-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PW1-L940
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

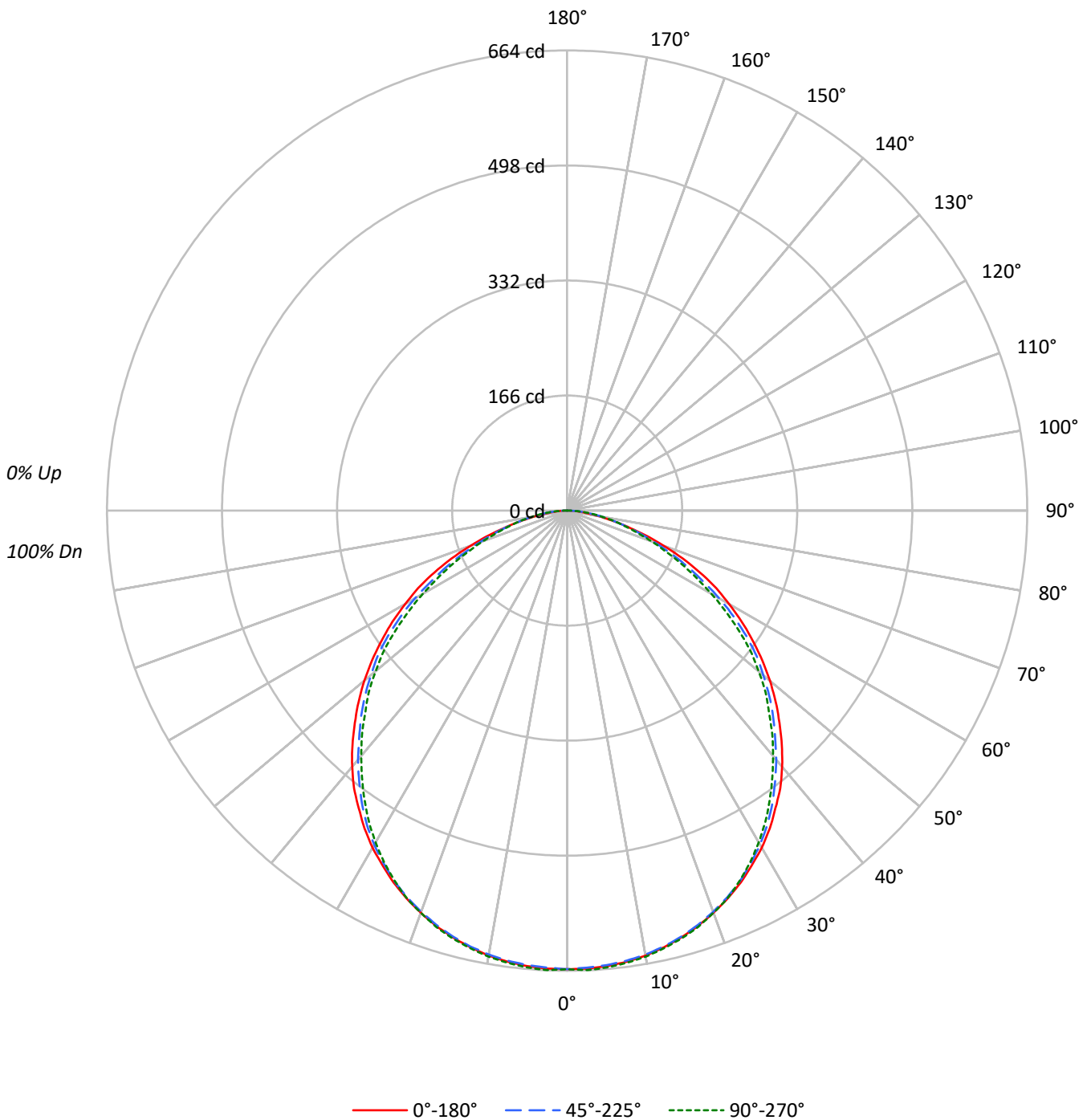
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1756.0 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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	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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1984	1984	1984
5°	1986	1981	1991
10°	1985	1980	1990
15°	1978	1976	1983
20°	1970	1966	1970
25°	1959	1951	1950
30°	1945	1928	1914
35°	1919	1890	1865
40°	1889	1837	1809
45°	1837	1783	1746
50°	1782	1723	1683
55°	1707	1649	1584
60°	1618	1523	1444
65°	1498	1360	1293
70°	1298	1184	1139
75°	1037	1014	986
80°	787	881	881
85°	581	750	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.6
10°-20°	180.0	10.2
20°-30°	272.0	15.5
30°-40°	323.0	18.4
40°-50°	325.4	18.5
50°-60°	281.3	16.0
60°-70°	192.2	10.9
70°-80°	94.8	5.4
80°-90°	24.5	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°	514.8	29.3
0°-40°	837.8	47.7
0°-60°	1444.4	82.3
0°-90°	1756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	660	660	658	661	662	63
15°	637	638	636	639	639	180
25°	592	592	590	590	589	273
35°	524	522	516	512	510	328
45°	433	429	420	416	412	334
55°	327	326	316	306	303	292
65°	211	204	192	183	182	208
75°	90	89	88	88	85	98
85°	17	20	22	22	22	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	661.7	661.7	661.7	661.7	661.7
2.5°	661.5	661.7	660.0	662.9	663.7
5°	659.8	660.0	658.3	661.0	661.7
7.5°	656.6	657.1	655.1	657.8	658.3
10°	651.9	652.2	650.4	653.1	653.6
12.5°	645.5	645.8	644.3	646.8	646.8
15°	637.4	638.2	636.5	638.7	638.9
17.5°	628.4	628.6	626.9	629.4	629.8
20°	617.6	617.6	616.1	618.1	617.6
22.5°	605.6	605.6	603.9	604.8	605.3
25°	592.3	591.8	589.9	590.4	589.4
27.5°	577.1	577.1	573.7	573.7	572.0
30°	561.7	560.5	556.8	554.6	552.9
32.5°	544.0	542.3	537.7	533.7	532.5
35°	524.2	522.5	516.3	511.7	509.7
37.5°	505.1	501.1	493.0	488.4	486.2
40°	482.7	477.8	469.5	463.1	462.1
42.5°	458.7	454.8	444.0	439.3	438.1
45°	433.2	428.6	420.5	415.6	411.9
47.5°	408.2	404.8	395.5	389.6	388.4
50°	382.0	379.0	369.5	363.1	360.9
52.5°	354.8	352.8	344.7	336.6	333.9
55°	326.6	325.6	315.5	306.2	303.0
57.5°	298.9	297.6	285.1	274.3	271.4
60°	269.9	266.3	254.0	243.9	240.8
62.5°	242.5	234.6	221.4	213.5	209.9
65°	211.1	203.5	191.7	183.4	182.2
67.5°	180.2	171.1	162.1	156.9	153.0
70°	148.1	142.0	135.1	130.7	129.9
72.5°	118.2	113.8	110.3	107.6	105.4
75°	89.5	88.8	87.5	87.5	85.1
77.5°	65.7	67.4	68.4	68.2	68.6
80°	45.6	49.0	51.0	51.2	51.0
82.5°	28.9	32.9	36.0	36.5	37.0
85°	16.9	19.9	21.8	22.3	21.8
87.5°	7.6	9.6	10.1	10.5	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)