

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: P737709

Luminaire Tested: **14PT-20-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PB1-L940
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

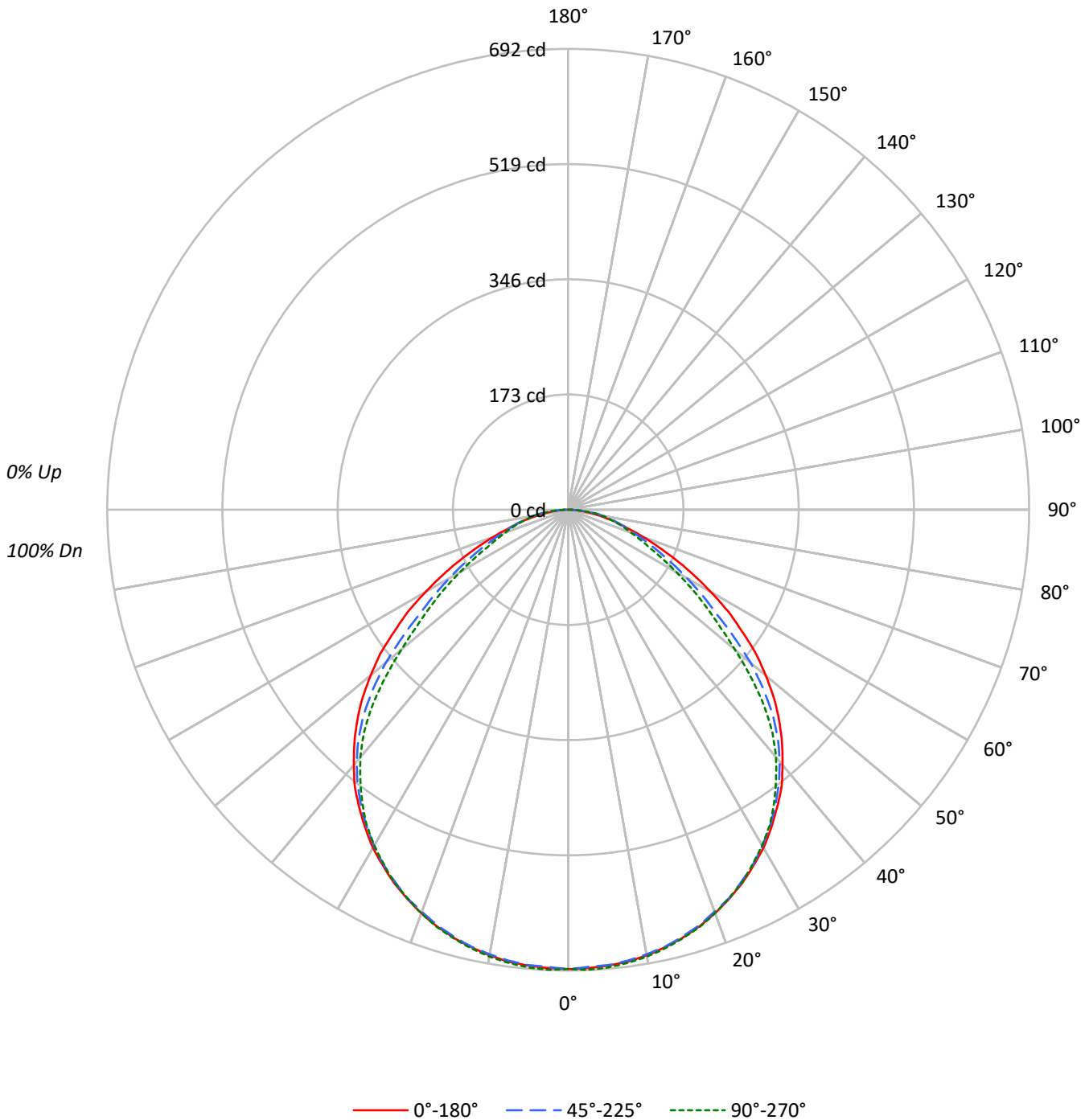
Lumens per Lamp: N/A
Luminaire Lumens: 1720.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P737709

CATALOG NUMBER: 14PT-20-PB1-L940

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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2068	2068	2068
5°	2068	2066	2076
10°	2069	2064	2074
15°	2065	2059	2067
20°	2057	2049	2057
25°	2046	2038	2043
30°	2030	2018	2015
35°	2000	1984	1972
40°	1959	1933	1899
45°	1899	1838	1763
50°	1805	1666	1524
55°	1663	1415	1312
60°	1480	1236	1124
65°	1270	1071	957
70°	1048	945	877
75°	885	905	855
80°	748	924	879
85°	585	936	819



TEST NUMBER: P737709

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	3.8
10°-20°	187.7	10.9
20°-30°	284.3	16.5
30°-40°	338.7	19.7
40°-50°	331.3	19.3
50°-60°	250.5	14.6
60°-70°	153.9	8.9
70°-80°	82.0	4.8
80°-90°	26.2	1.5
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°	537.4	31.2
0°-40°	876.1	50.9
0°-60°	1457.9	84.8
0°-90°	1720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1720.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	690	690	690	690	690	
5°	687	688	686	689	690	65
15°	665	666	664	666	666	188
25°	618	618	616	617	618	285
35°	546	546	542	540	539	342
45°	448	445	434	419	416	345
55°	318	302	271	255	251	285
65°	179	165	151	139	135	178
75°	76	77	78	76	74	82
85°	17	22	27	26	24	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	689.8	689.8	689.8	689.8	689.8
2.5°	688.9	689.8	687.2	690.6	691.5
5°	687.2	688.1	686.4	688.9	689.8
7.5°	684.7	684.7	683.0	685.5	686.4
10°	679.6	679.6	677.9	680.5	681.3
12.5°	672.8	672.8	672.0	673.7	674.5
15°	665.2	666.0	663.5	666.0	666.0
17.5°	655.8	655.0	654.2	655.8	656.7
20°	644.8	644.8	642.3	644.0	644.8
22.5°	632.1	632.1	631.2	632.1	631.2
25°	618.5	617.7	616.0	616.8	617.7
27.5°	602.4	602.4	600.7	600.7	599.9
30°	586.3	585.4	582.9	581.2	582.0
32.5°	566.8	565.9	563.4	561.7	562.5
35°	546.4	545.6	542.2	539.6	538.8
37.5°	526.0	523.5	519.2	515.9	512.5
40°	500.6	498.0	493.8	486.2	485.3
42.5°	475.1	472.6	465.8	456.5	453.9
45°	448.0	445.4	433.6	419.1	415.7
47.5°	419.1	414.9	396.2	378.4	371.6
50°	386.9	379.3	357.2	334.3	326.7
52.5°	355.5	341.9	313.1	292.7	285.1
55°	318.2	302.0	270.7	255.4	251.1
57.5°	285.1	263.0	237.6	222.3	218.9
60°	246.9	226.5	206.2	192.6	187.5
62.5°	212.1	194.3	177.3	165.4	159.5
65°	179.0	164.6	151.0	139.1	134.9
67.5°	146.8	139.1	128.1	118.8	116.2
70°	119.6	115.4	107.8	103.5	100.1
72.5°	95.0	96.7	91.6	89.9	87.4
75°	76.4	77.2	78.1	75.5	73.8
77.5°	57.7	61.9	65.3	63.6	61.9
80°	43.3	47.5	53.5	50.9	50.9
82.5°	29.7	34.8	39.9	38.2	37.3
85°	17.0	22.1	27.2	25.5	23.8
87.5°	6.8	11.0	11.9	11.9	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)