

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: P737734

Luminaire Tested: **14PT-20-PP3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PP3-L950
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

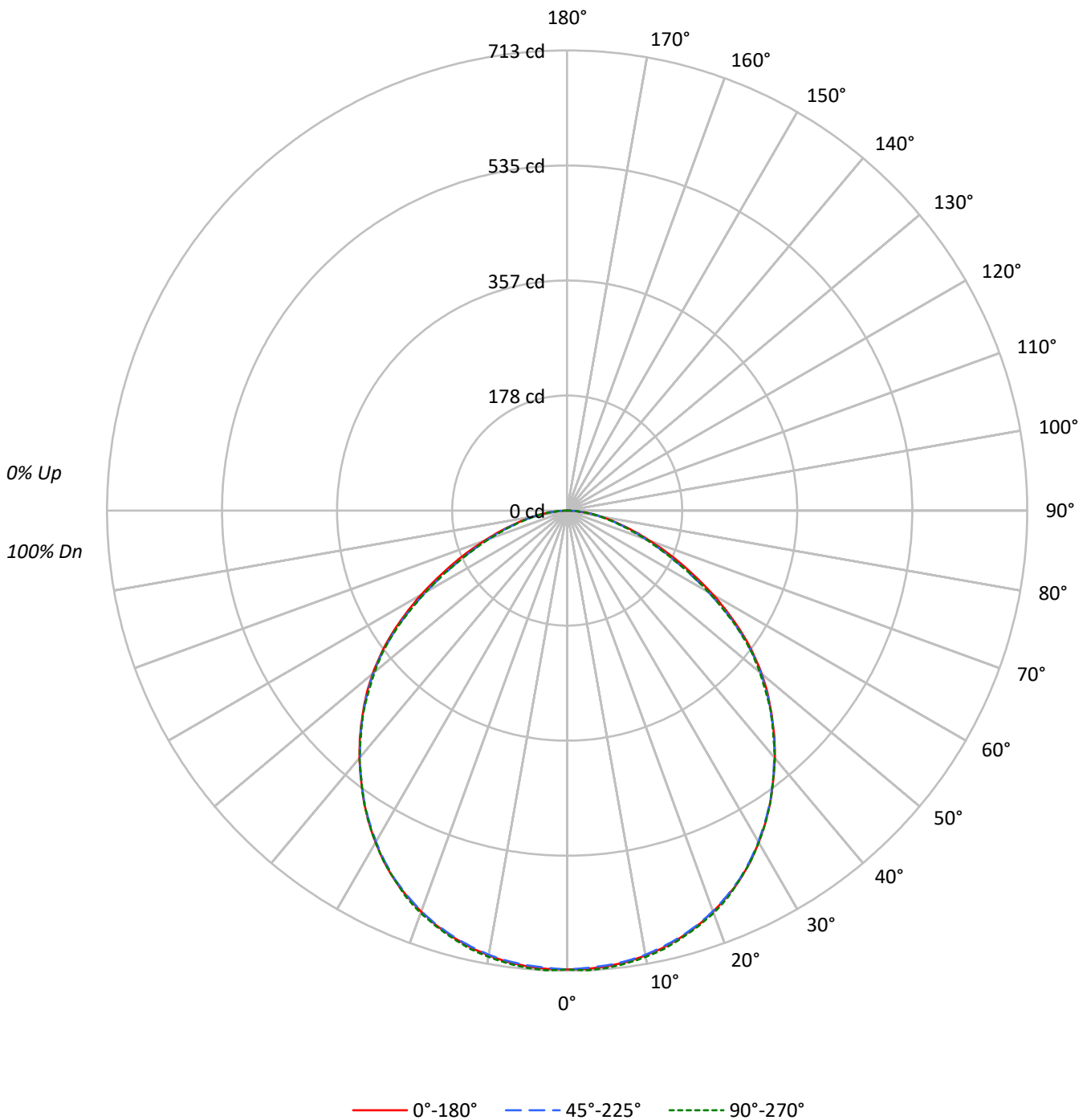
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1837.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 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

TEST NUMBER: P737734
CATALOG NUMBER: 14PT-20-PP3-L950

Luminous Intensity Polar Plot





TEST NUMBER: P737734

CATALOG NUMBER: 14PT-20-PP3-L950

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	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2132	2132	2132
5°	2133	2129	2140
10°	2131	2127	2138
15°	2123	2119	2129
20°	2110	2108	2117
25°	2091	2087	2090
30°	2056	2051	2056
35°	2011	2008	2010
40°	1959	1953	1958
45°	1901	1895	1897
50°	1837	1828	1815
55°	1729	1709	1703
60°	1569	1516	1519
65°	1378	1309	1307
70°	1192	1138	1125
75°	1031	993	972
80°	913	900	860
85°	753	781	736



TEST NUMBER: P737734

CATALOG NUMBER: 14PT-20-PP3-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	3.7
10°-20°	193.2	10.5
20°-30°	290.8	15.8
30°-40°	343.2	18.7
40°-50°	345.2	18.8
50°-60°	291.4	15.9
60°-70°	187.2	10.2
70°-80°	93.1	5.1
80°-90°	25.5	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°	551.4	30.0
0°-40°	894.6	48.7
0°-60°	1531.2	83.4
0°-90°	1837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1837.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	709	709	707	711	711	67
15°	684	684	683	686	686	193
25°	632	632	631	632	632	291
35°	549	550	549	549	549	343
45°	448	450	447	448	448	346
55°	331	331	327	326	326	294
65°	194	192	184	183	184	194
75°	89	88	86	85	84	96
85°	22	23	23	21	21	26
90°	0	0	0	0	0	



TEST NUMBER: P737734

CATALOG NUMBER: 14PT-20-PP3-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	711.0	711.0	711.0	711.0	711.0
2.5°	710.7	711.0	709.2	712.5	713.0
5°	708.9	709.2	707.3	710.7	711.2
7.5°	705.3	705.5	704.0	707.1	707.6
10°	699.9	700.6	698.8	701.7	702.2
12.5°	693.2	693.4	691.6	695.0	695.5
15°	684.1	684.4	682.8	685.9	685.9
17.5°	673.8	674.1	673.0	675.6	675.3
20°	661.2	661.9	660.6	662.4	663.5
22.5°	647.5	647.7	646.2	648.5	649.5
25°	632.0	632.2	631.0	632.2	631.7
27.5°	613.9	614.4	612.6	613.9	614.2
30°	593.8	595.1	592.5	593.5	593.8
32.5°	572.1	572.9	571.1	571.3	572.6
35°	549.4	549.7	548.6	549.2	549.2
37.5°	524.9	525.9	524.4	525.2	524.1
40°	500.6	499.6	499.1	499.6	500.4
42.5°	475.1	475.3	474.6	474.1	472.8
45°	448.3	449.8	447.0	447.5	447.5
47.5°	421.9	422.2	420.6	419.1	418.1
50°	393.8	393.8	392.0	390.7	389.2
52.5°	363.1	362.6	360.5	359.2	360.0
55°	330.8	330.6	327.0	325.7	325.9
57.5°	295.5	296.0	290.6	289.3	289.3
60°	261.7	259.1	252.9	251.1	253.4
62.5°	226.3	223.2	216.5	216.5	218.3
65°	194.3	191.5	184.5	182.7	184.3
67.5°	164.4	161.8	155.4	154.3	154.8
70°	136.0	133.7	129.8	127.5	128.3
72.5°	111.5	109.4	106.8	105.0	104.0
75°	89.0	88.5	85.7	84.9	83.9
77.5°	70.5	70.2	67.9	66.8	65.8
80°	52.9	52.6	52.1	50.6	49.8
82.5°	37.7	37.7	37.4	36.1	35.4
85°	21.9	22.7	22.7	21.4	21.4
87.5°	8.8	9.3	8.8	8.8	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)