

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: P738418

Luminaire Tested: **24PT-20-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PR1-L850
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

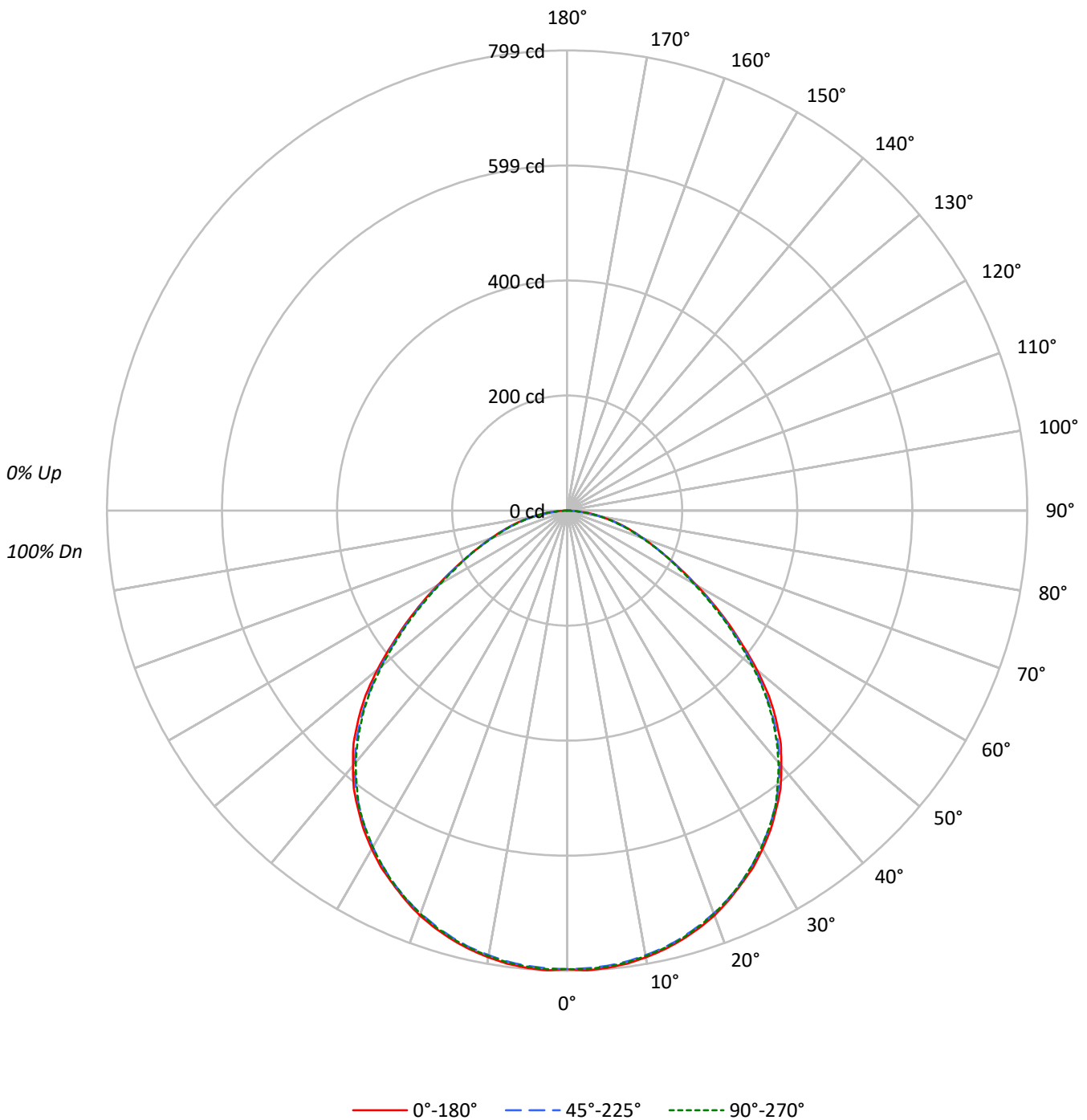
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2028.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
Input Voltage (V): NR
Input Current (Ain): 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: P738418
CATALOG NUMBER: 24PT-20-PR1-L850

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	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1142	1142	1142
5°	1147	1142	1144
10°	1147	1141	1144
15°	1145	1140	1142
20°	1142	1136	1137
25°	1132	1129	1129
30°	1123	1117	1117
35°	1108	1101	1102
40°	1083	1074	1069
45°	1039	1023	1018
50°	960	946	937
55°	854	842	836
60°	745	736	729
65°	652	653	649
70°	587	585	577
75°	547	531	532
80°	488	479	479
85°	377	388	373



TEST NUMBER: P738418

CATALOG NUMBER: 24PT-20-PR1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.7
10°-20°	216.9	10.7
20°-30°	328.9	16.2
30°-40°	393.3	19.4
40°-50°	388.3	19.1
50°-60°	302.3	14.9
60°-70°	191.9	9.5
70°-80°	103.0	5.1
80°-90°	27.9	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°	621.3	30.6
0°-40°	1014.6	50.0
0°-60°	1705.2	84.1
0°-90°	2028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	797	794	794	793	795	76
15°	771	769	768	767	769	218
25°	716	714	713	712	714	330
35°	633	632	629	627	630	396
45°	513	509	504	502	502	394
55°	342	340	337	335	335	306
65°	192	193	192	190	191	193
75°	99	97	96	96	96	104
85°	23	23	24	24	23	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.3	796.3	796.3	796.3	796.3
2.5°	799.0	796.3	795.4	795.0	797.0
5°	797.0	794.5	793.6	793.2	795.0
7.5°	793.6	790.8	789.9	789.4	791.4
10°	787.6	785.0	783.9	783.9	785.6
12.5°	780.5	778.3	777.2	776.3	778.3
15°	771.4	768.7	768.1	767.2	769.4
17.5°	760.5	757.9	757.0	756.5	758.1
20°	748.1	744.7	744.3	744.1	745.0
22.5°	732.7	731.0	730.1	729.6	730.3
25°	715.6	714.3	713.4	712.1	713.8
27.5°	698.9	697.2	694.9	693.8	694.9
30°	678.5	676.3	674.7	674.3	674.7
32.5°	657.4	655.1	653.1	652.9	652.7
35°	632.9	631.6	629.1	627.1	629.8
37.5°	608.7	605.6	603.3	600.9	600.2
40°	578.4	577.3	573.6	571.3	571.1
42.5°	549.1	544.0	541.3	539.8	537.3
45°	512.6	509.1	504.4	502.0	501.8
47.5°	474.6	470.2	465.7	462.4	463.3
50°	430.2	428.2	423.9	421.1	419.9
52.5°	384.4	383.9	379.5	377.7	375.7
55°	341.7	339.9	336.8	334.6	334.6
57.5°	299.7	298.1	296.6	292.3	292.3
60°	259.7	259.4	256.8	254.3	254.1
62.5°	223.9	225.2	222.8	220.3	219.0
65°	192.3	193.0	192.5	190.1	191.4
67.5°	164.5	164.7	163.8	162.5	163.4
70°	140.1	141.2	139.6	138.7	137.6
72.5°	118.7	118.3	116.9	117.6	116.0
75°	98.7	97.1	95.8	95.6	96.0
77.5°	78.7	78.3	77.1	77.1	76.5
80°	59.1	58.7	58.0	58.2	58.0
82.5°	42.0	40.9	40.0	40.5	40.7
85°	22.9	23.3	23.6	23.6	22.7
87.5°	9.3	9.1	9.3	9.8	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)