

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: P738468

Luminaire Tested: **24PT-35-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-35-PC3-L935
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

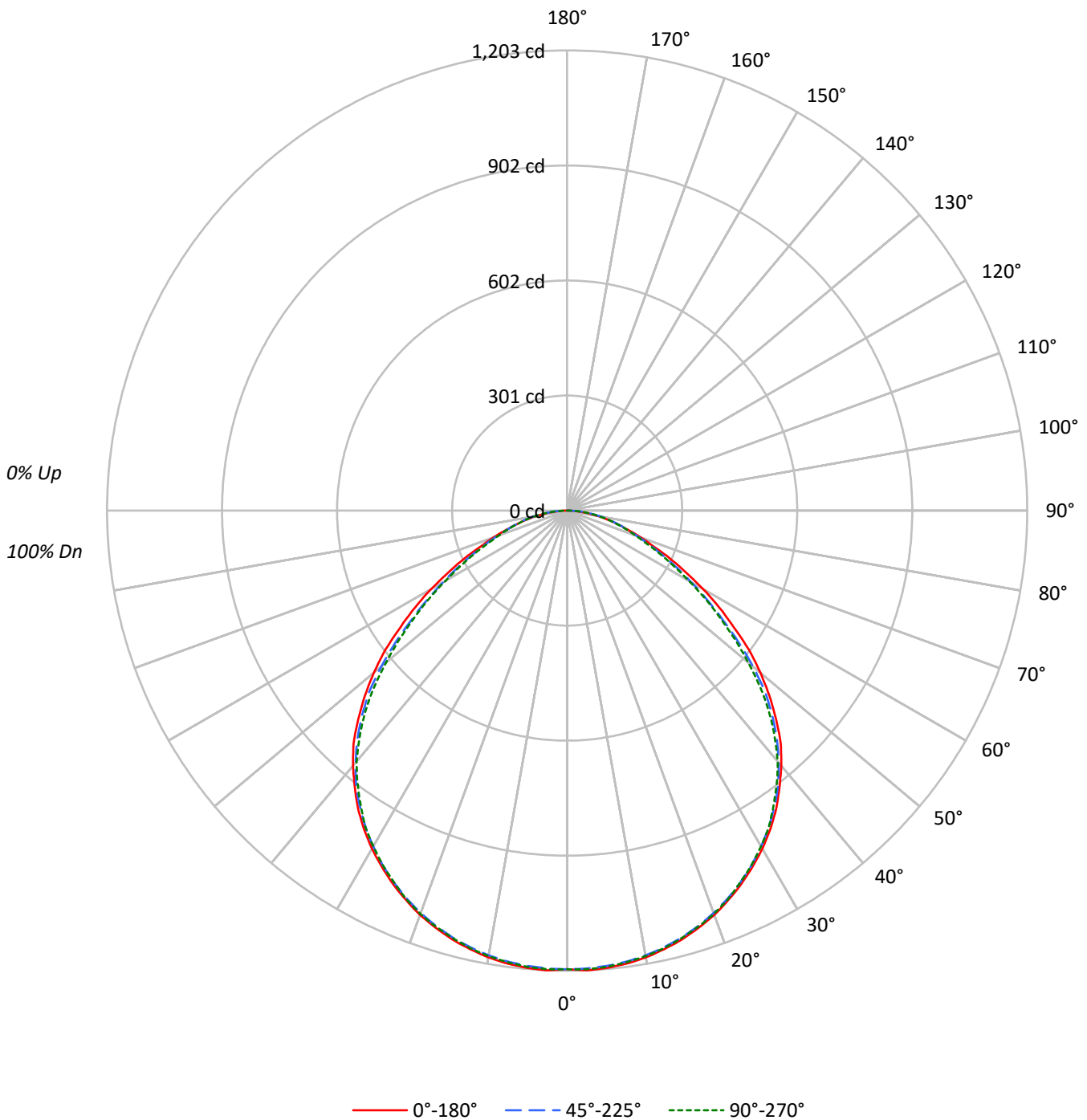
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3025.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
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

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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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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°	1719	1719	1719
5°	1727	1720	1723
10°	1727	1719	1722
15°	1723	1715	1717
20°	1716	1708	1712
25°	1705	1696	1696
30°	1690	1679	1678
35°	1667	1654	1646
40°	1630	1611	1603
45°	1567	1538	1516
50°	1471	1415	1377
55°	1330	1240	1216
60°	1176	1073	1052
65°	1006	930	906
70°	852	816	792
75°	747	760	734
80°	670	739	697
85°	566	676	643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.8
10°-20°	326.4	10.8
20°-30°	494.4	16.3
30°-40°	590.5	19.5
40°-50°	582.5	19.3
50°-60°	451.0	14.9
60°-70°	277.2	9.2
70°-80°	145.2	4.8
80°-90°	44.0	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°	934.5	30.9
0°-40°	1525.0	50.4
0°-60°	2558.5	84.6
0°-90°	3025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1200	1196	1195	1194	1197	114
15°	1161	1157	1156	1154	1157	328
25°	1077	1074	1072	1071	1072	496
35°	953	948	945	942	941	595
45°	773	767	758	750	748	594
55°	532	518	496	489	487	477
65°	296	283	274	266	267	296
75°	135	136	137	134	132	145
85°	34	38	41	40	39	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.2	1199.2	1199.2	1199.2	1199.2
2.5°	1203.2	1199.6	1197.9	1197.6	1200.2
5°	1199.9	1196.2	1194.9	1194.2	1197.2
7.5°	1194.6	1190.6	1189.2	1188.2	1190.9
10°	1186.2	1182.2	1180.9	1180.2	1182.5
12.5°	1174.2	1170.5	1169.5	1168.5	1171.5
15°	1160.9	1157.2	1155.5	1154.5	1156.8
17.5°	1143.5	1140.5	1138.5	1138.5	1140.5
20°	1124.8	1121.1	1119.5	1118.5	1121.8
22.5°	1101.8	1099.4	1097.4	1095.8	1099.4
25°	1077.4	1074.1	1072.1	1071.4	1071.7
27.5°	1049.7	1047.4	1044.7	1043.7	1044.4
30°	1020.7	1017.7	1014.0	1012.0	1013.7
32.5°	988.3	984.0	980.9	978.9	981.3
35°	952.6	948.2	944.9	941.9	940.6
37.5°	911.9	910.5	905.9	900.5	900.2
40°	870.8	867.1	860.5	858.1	856.5
42.5°	826.7	819.1	812.1	805.4	803.1
45°	772.7	767.0	758.3	750.3	747.6
47.5°	717.3	709.9	701.6	687.6	685.9
50°	659.5	648.8	634.2	622.5	617.5
52.5°	599.5	585.1	564.7	554.7	552.1
55°	532.0	517.7	496.0	488.6	486.6
57.5°	472.0	450.9	433.2	424.9	427.6
60°	410.2	389.8	374.2	366.1	366.8
62.5°	349.8	333.8	322.1	314.4	315.4
65°	296.4	282.7	274.0	266.0	267.0
67.5°	244.0	237.6	231.3	226.6	224.0
70°	203.3	200.6	194.6	190.2	188.9
72.5°	166.2	167.9	162.9	161.5	161.2
75°	134.8	136.2	137.2	134.5	132.5
77.5°	107.8	109.8	113.8	110.1	109.5
80°	81.1	85.1	89.5	87.1	84.4
82.5°	56.7	61.7	65.8	62.7	61.4
85°	34.4	38.4	41.1	40.1	39.1
87.5°	15.4	16.7	18.0	18.4	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)