

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: P738470

Luminaire Tested: **24PT-35-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738470
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-L950
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

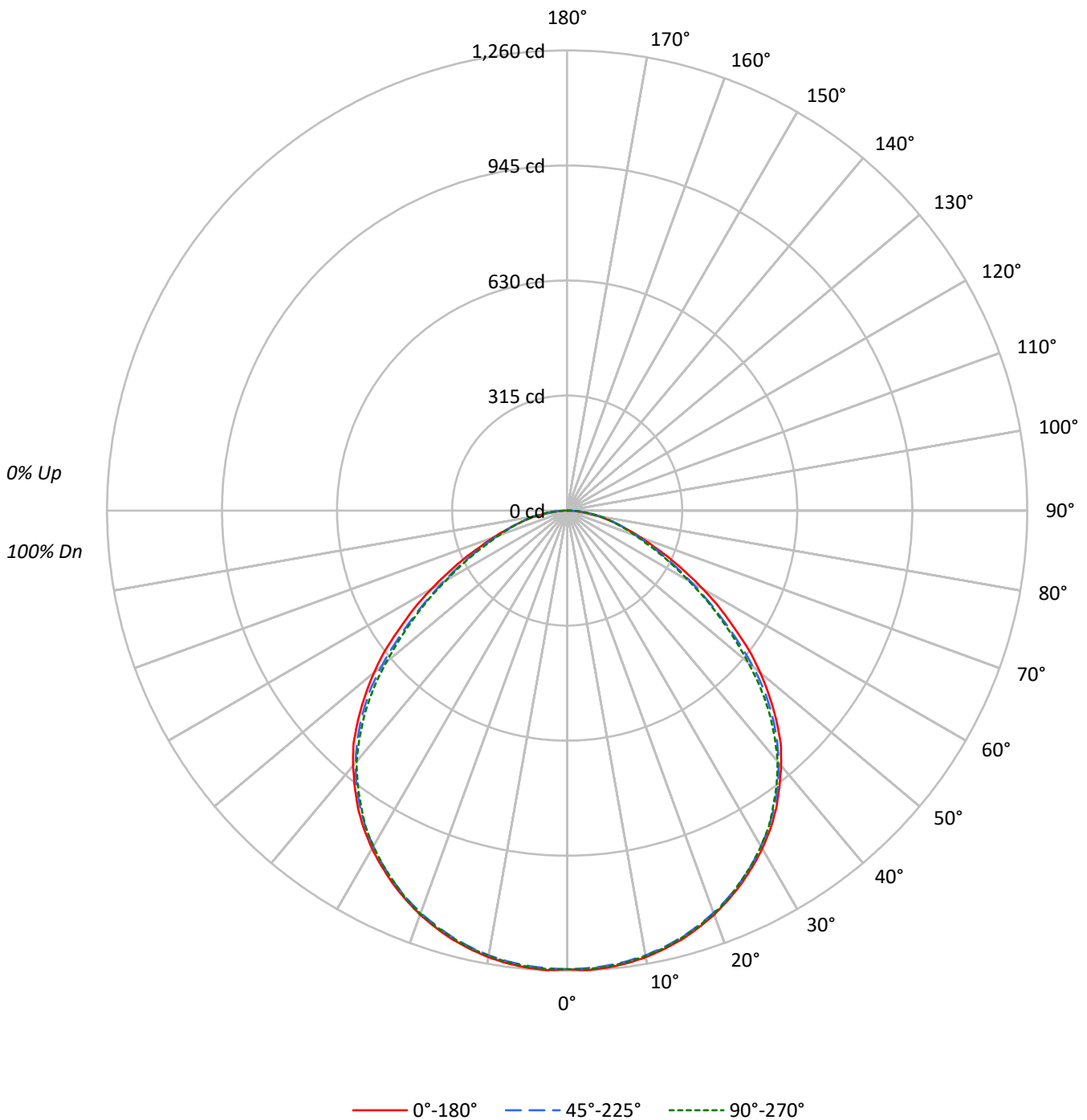
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3167.0 lumens
Efficiency: N/A
Efficacy: 112.3 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°	1800	1800	1800
5°	1808	1801	1804
10°	1808	1800	1803
15°	1804	1796	1798
20°	1797	1788	1792
25°	1785	1776	1775
30°	1769	1758	1757
35°	1746	1732	1724
40°	1706	1686	1678
45°	1640	1610	1587
50°	1540	1481	1442
55°	1392	1298	1274
60°	1232	1123	1101
65°	1053	973	949
70°	892	854	829
75°	782	796	768
80°	701	773	730
85°	592	707	673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	3.8
10°-20°	341.7	10.8
20°-30°	517.6	16.3
30°-40°	618.3	19.5
40°-50°	609.9	19.3
50°-60°	472.1	14.9
60°-70°	290.2	9.2
70°-80°	152.1	4.8
80°-90°	46.1	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°	978.4	30.9
0°-40°	1596.6	50.4
0°-60°	2678.6	84.6
0°-90°	3167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1256	1256	1256	1256	1256	
5°	1256	1252	1251	1250	1253	119
15°	1215	1212	1210	1209	1211	343
25°	1128	1124	1122	1122	1122	520
35°	997	993	989	986	985	623
45°	809	803	794	786	783	622
55°	557	542	519	512	510	500
65°	310	296	287	278	280	310
75°	141	143	144	141	139	152
85°	36	40	43	42	41	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1259.7	1255.9	1254.1	1253.8	1256.6
5°	1256.2	1252.4	1251.0	1250.3	1253.4
7.5°	1250.6	1246.4	1245.0	1244.0	1246.8
10°	1241.9	1237.7	1236.3	1235.6	1238.1
12.5°	1229.3	1225.5	1224.4	1223.4	1226.5
15°	1215.3	1211.5	1209.8	1208.7	1211.2
17.5°	1197.2	1194.0	1191.9	1191.9	1194.0
20°	1177.6	1173.8	1172.0	1171.0	1174.5
22.5°	1153.5	1151.0	1149.0	1147.2	1151.0
25°	1128.0	1124.5	1122.4	1121.7	1122.0
27.5°	1099.0	1096.5	1093.7	1092.7	1093.4
30°	1068.6	1065.4	1061.6	1059.5	1061.2
32.5°	1034.7	1030.1	1027.0	1024.9	1027.3
35°	997.3	992.8	989.3	986.1	984.7
37.5°	954.7	953.3	948.4	942.8	942.4
40°	911.7	907.8	900.9	898.4	896.7
42.5°	865.6	857.5	850.2	843.2	840.7
45°	808.9	803.0	793.9	785.5	782.7
47.5°	750.9	743.3	734.5	719.8	718.1
50°	690.5	679.3	663.9	651.7	646.5
52.5°	627.6	612.6	591.2	580.8	578.0
55°	557.0	542.0	519.3	511.6	509.5
57.5°	494.1	472.1	453.6	444.8	447.6
60°	429.5	408.1	391.7	383.3	384.0
62.5°	366.2	349.4	337.2	329.2	330.2
65°	310.3	296.0	286.9	278.5	279.6
67.5°	255.4	248.8	242.2	237.3	234.5
70°	212.8	210.0	203.7	199.2	197.8
72.5°	174.0	175.8	170.5	169.1	168.8
75°	141.2	142.6	143.6	140.8	138.7
77.5°	112.9	115.0	119.2	115.3	114.6
80°	84.9	89.1	93.6	91.2	88.4
82.5°	59.4	64.6	68.8	65.7	64.3
85°	36.0	40.2	43.0	41.9	40.9
87.5°	16.1	17.5	18.9	19.2	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)