

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: P738154

Luminaire Tested: **22PT-35-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PP3-L850
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

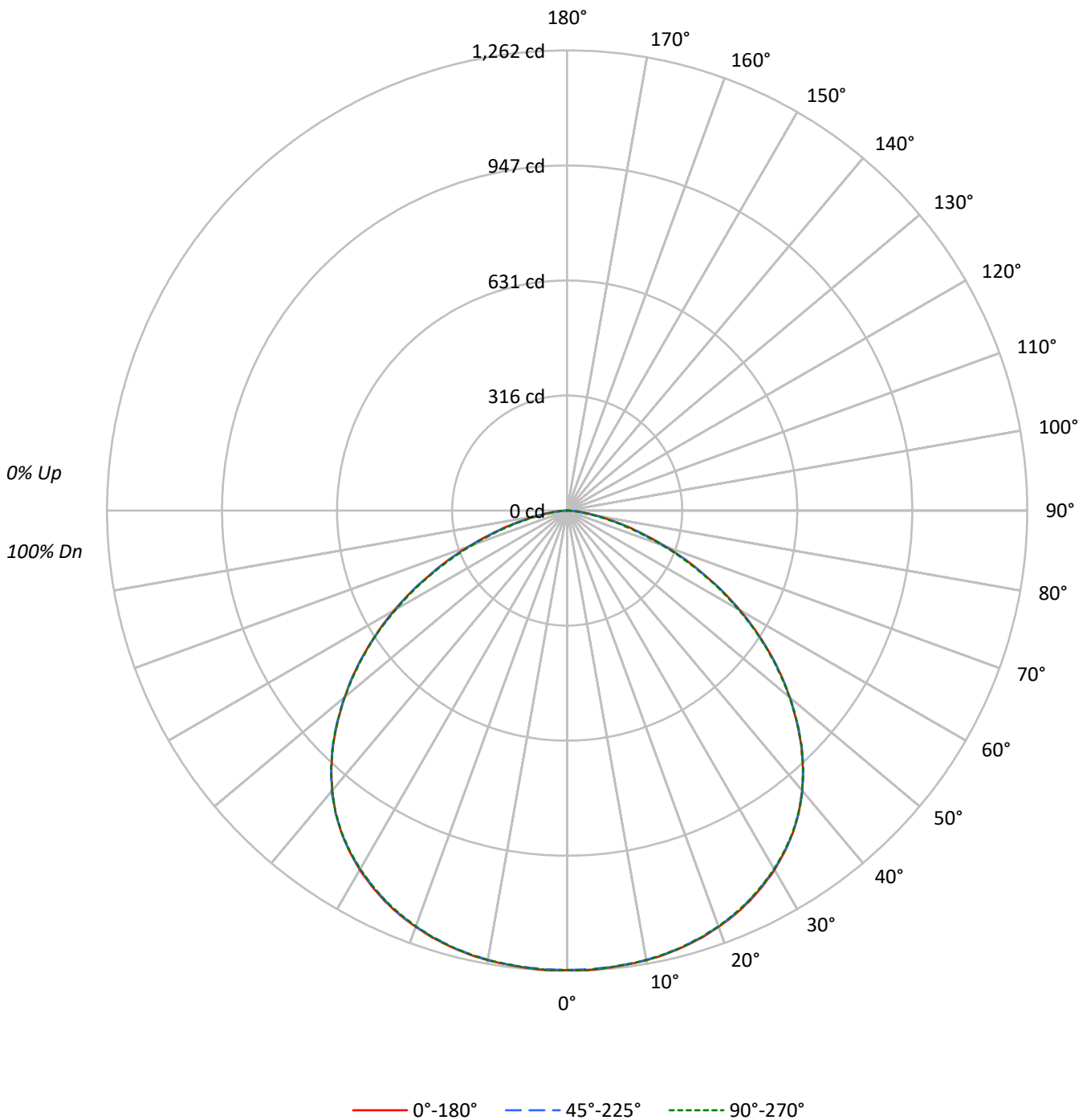
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3615.0 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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

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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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3692	3692	3692
5°	3703	3699	3701
10°	3726	3721	3724
15°	3756	3752	3752
20°	3789	3784	3783
25°	3822	3815	3815
30°	3849	3842	3840
35°	3860	3860	3855
40°	3834	3843	3834
45°	3759	3769	3763
50°	3633	3638	3628
55°	3458	3449	3443
60°	3210	3203	3178
65°	2867	2865	2832
70°	2451	2436	2382
75°	1953	1895	1837
80°	1392	1363	1293
85°	904	904	877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	3.3
10°-20°	349.5	9.7
20°-30°	544.2	15.1
30°-40°	673.6	18.6
40°-50°	698.5	19.3
50°-60°	602.0	16.7
60°-70°	409.3	11.3
70°-80°	183.2	5.1
80°-90°	34.9	1.0
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°	1013.6	28.0
0°-40°	1687.2	46.7
0°-60°	2987.6	82.6
0°-90°	3615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1260	1260	1260	1260	1260	
5°	1259	1257	1258	1257	1258	120
15°	1238	1236	1237	1236	1237	350
25°	1182	1180	1180	1180	1180	545
35°	1079	1078	1079	1077	1078	674
45°	907	906	910	907	908	698
55°	677	674	675	674	674	604
65°	414	417	413	412	408	411
75°	172	173	167	167	162	186
85°	27	28	27	26	26	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1260.0	1260.0	1260.0	1260.0	1260.0
2.5°	1261.7	1259.1	1259.1	1259.6	1260.9
5°	1259.1	1256.6	1257.5	1257.0	1258.3
7.5°	1255.8	1253.7	1255.0	1254.1	1255.0
10°	1252.4	1250.3	1250.7	1250.3	1251.6
12.5°	1246.5	1244.0	1244.8	1244.8	1245.3
15°	1238.1	1236.0	1236.8	1236.0	1236.8
17.5°	1228.0	1225.5	1226.0	1225.5	1226.3
20°	1215.0	1213.3	1213.7	1212.9	1213.3
22.5°	1200.3	1198.1	1198.6	1197.8	1197.8
25°	1182.2	1180.4	1180.1	1179.6	1180.1
27.5°	1161.1	1159.1	1159.1	1158.6	1158.6
30°	1137.6	1135.5	1135.5	1135.0	1135.0
32.5°	1109.8	1108.9	1109.4	1108.6	1108.1
35°	1079.1	1077.8	1079.1	1077.4	1077.8
37.5°	1043.3	1041.7	1044.2	1042.5	1042.9
40°	1002.5	1001.7	1004.6	1003.3	1002.5
42.5°	957.1	957.1	958.4	958.7	957.9
45°	907.1	906.2	909.5	907.4	908.2
47.5°	853.1	852.0	854.4	854.0	853.6
50°	796.9	795.9	798.0	795.9	795.9
52.5°	738.3	737.9	738.3	736.2	735.7
55°	676.9	674.4	675.2	673.9	673.9
57.5°	612.9	610.0	610.4	610.0	610.4
60°	547.8	546.9	546.5	544.4	542.3
62.5°	480.9	481.7	481.3	478.3	476.2
65°	413.5	417.0	413.2	411.9	408.5
67.5°	350.1	351.2	348.8	345.8	342.0
70°	286.1	288.6	284.3	281.4	278.1
72.5°	225.1	226.8	223.0	221.3	217.1
75°	172.5	173.0	167.4	166.6	162.3
77.5°	122.8	124.5	120.3	120.3	116.1
80°	82.5	85.4	80.8	79.5	76.6
82.5°	51.8	52.1	50.9	49.7	48.4
85°	26.9	27.7	26.9	26.1	26.1
87.5°	10.1	10.5	10.1	9.7	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)