

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: P738152

Luminaire Tested: **22PT-35-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738152
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-L835
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

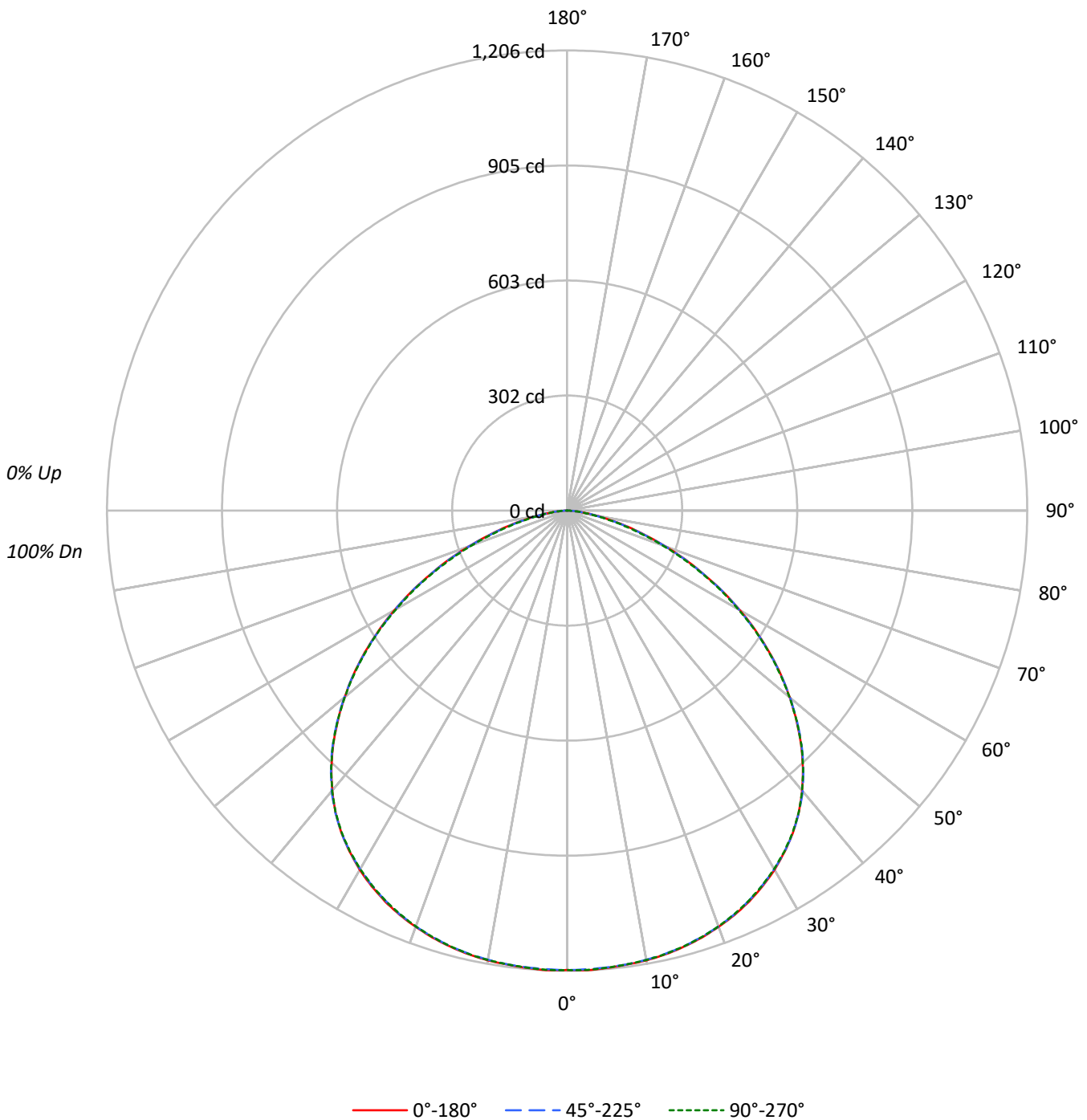
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3455.0 lumens
Efficiency: N/A
Efficacy: 131.4 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 (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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45					45			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39					39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3528	3528	3528
5°	3540	3535	3537
10°	3561	3557	3559
15°	3589	3586	3586
20°	3621	3617	3616
25°	3653	3646	3646
30°	3679	3672	3670
35°	3689	3689	3685
40°	3665	3673	3665
45°	3592	3602	3597
50°	3472	3477	3468
55°	3305	3296	3290
60°	3068	3061	3037
65°	2740	2738	2707
70°	2342	2328	2277
75°	1867	1811	1757
80°	1330	1303	1235
85°	864	864	837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	3.3
10°-20°	334.1	9.7
20°-30°	520.2	15.1
30°-40°	643.8	18.6
40°-50°	667.6	19.3
50°-60°	575.4	16.7
60°-70°	391.2	11.3
70°-80°	175.0	5.1
80°-90°	33.3	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°	968.7	28.0
0°-40°	1612.5	46.7
0°-60°	2855.4	82.6
0°-90°	3455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1204	1204	1204	1204	1204	
5°	1203	1201	1202	1201	1203	115
15°	1183	1181	1182	1181	1182	334
25°	1130	1128	1128	1127	1128	521
35°	1031	1030	1031	1030	1030	644
45°	867	866	869	867	868	667
55°	647	644	645	644	644	577
65°	395	398	395	394	390	392
75°	165	165	160	159	155	177
85°	26	26	26	25	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1204.2	1204.2	1204.2	1204.2	1204.2
2.5°	1205.9	1203.4	1203.4	1203.8	1205.1
5°	1203.4	1201.0	1201.8	1201.4	1202.6
7.5°	1200.2	1198.2	1199.4	1198.5	1199.4
10°	1197.0	1194.9	1195.4	1194.9	1196.2
12.5°	1191.3	1189.0	1189.8	1189.8	1190.2
15°	1183.3	1181.3	1182.1	1181.3	1182.1
17.5°	1173.6	1171.3	1171.7	1171.3	1172.0
20°	1161.2	1159.6	1160.0	1159.2	1159.6
22.5°	1147.1	1145.1	1145.5	1144.8	1144.8
25°	1129.9	1128.2	1127.8	1127.4	1127.8
27.5°	1109.7	1107.8	1107.8	1107.3	1107.3
30°	1087.3	1085.2	1085.2	1084.8	1084.8
32.5°	1060.6	1059.9	1060.3	1059.5	1059.1
35°	1031.3	1030.1	1031.3	1029.7	1030.1
37.5°	997.2	995.6	997.9	996.4	996.7
40°	958.1	957.3	960.2	958.9	958.1
42.5°	914.7	914.7	916.0	916.3	915.5
45°	866.9	866.1	869.3	867.3	868.0
47.5°	815.4	814.3	816.6	816.2	815.8
50°	761.6	760.7	762.7	760.7	760.7
52.5°	705.7	705.2	705.7	703.6	703.2
55°	646.9	644.5	645.3	644.1	644.1
57.5°	585.8	583.0	583.4	583.0	583.4
60°	523.6	522.7	522.3	520.3	518.3
62.5°	459.6	460.4	460.0	457.1	455.1
65°	395.2	398.5	394.9	393.7	390.4
67.5°	334.6	335.7	333.3	330.5	326.9
70°	273.4	275.8	271.8	268.9	265.8
72.5°	215.1	216.7	213.1	211.5	207.5
75°	164.9	165.3	160.0	159.2	155.2
77.5°	117.4	119.0	115.0	115.0	111.0
80°	78.8	81.6	77.2	76.0	73.2
82.5°	49.5	49.8	48.6	47.5	46.2
85°	25.7	26.5	25.7	24.9	24.9
87.5°	9.7	10.0	9.7	9.2	9.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)