

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: P738160

Luminaire Tested: **22PT-35-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PR1-L835
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

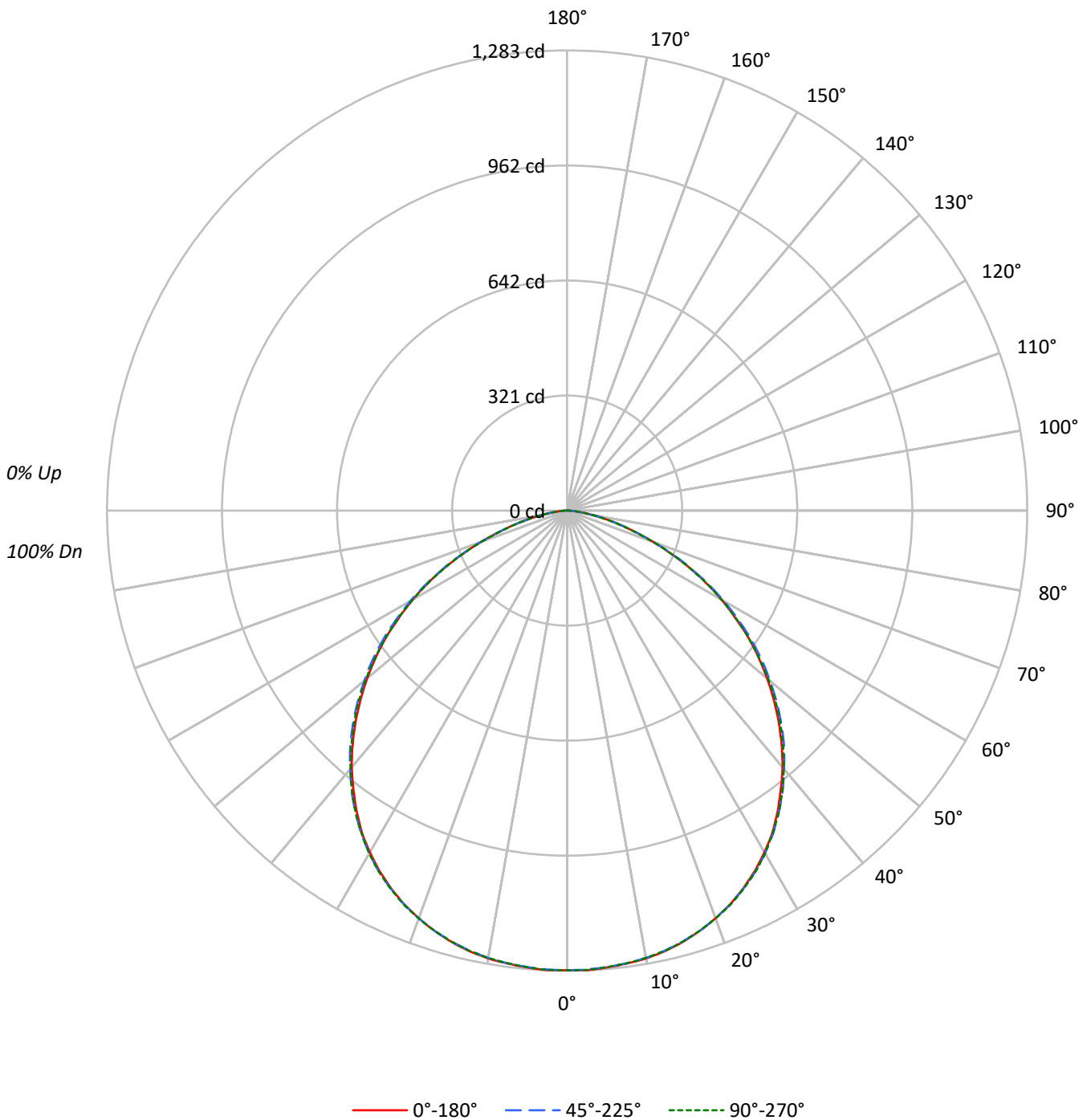
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3425.0 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
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	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	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3756	3756	3756
5°	3761	3759	3759
10°	3773	3768	3768
15°	3778	3774	3775
20°	3772	3771	3774
25°	3756	3760	3763
30°	3722	3734	3735
35°	3659	3680	3678
40°	3574	3598	3594
45°	3457	3501	3483
50°	3317	3367	3340
55°	3148	3198	3153
60°	2918	2959	2908
65°	2604	2630	2601
70°	2191	2191	2176
75°	1716	1716	1697
80°	1257	1242	1237
85°	820	820	837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	3.6
10°-20°	351.3	10.3
20°-30°	535.8	15.6
30°-40°	642.1	18.7
40°-50°	648.5	18.9
50°-60°	554.8	16.2
60°-70°	374.2	10.9
70°-80°	165.1	4.8
80°-90°	31.7	0.9
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°	1008.6	29.4
0°-40°	1650.7	48.2
0°-60°	2854.1	83.3
0°-90°	3425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1279	1277	1278	1277	1278	122
15°	1245	1245	1244	1244	1244	352
25°	1162	1163	1163	1163	1164	535
35°	1023	1029	1029	1028	1028	639
45°	834	841	845	844	841	643
55°	616	622	626	625	617	549
65°	376	379	379	379	375	371
75°	152	152	152	152	150	165
85°	24	24	24	25	25	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1281.8	1281.8	1281.8	1281.8	1281.8
2.5°	1282.6	1280.9	1280.4	1280.1	1281.8
5°	1278.7	1277.0	1277.9	1277.0	1277.9
7.5°	1274.0	1272.3	1272.8	1271.9	1272.8
10°	1268.1	1266.3	1266.3	1265.5	1266.3
12.5°	1258.6	1257.4	1256.9	1256.0	1257.4
15°	1245.3	1244.9	1244.1	1243.6	1244.4
17.5°	1229.1	1228.3	1229.1	1227.8	1228.6
20°	1209.8	1210.3	1209.4	1209.8	1210.3
22.5°	1187.9	1187.9	1188.4	1188.4	1189.3
25°	1161.9	1163.1	1163.1	1163.1	1164.0
27.5°	1132.8	1134.5	1135.7	1134.8	1135.7
30°	1100.2	1103.2	1103.6	1103.2	1104.0
32.5°	1065.0	1067.2	1068.4	1067.6	1066.7
35°	1023.0	1029.1	1028.7	1027.7	1028.2
37.5°	979.0	985.0	987.1	985.4	985.9
40°	934.4	939.6	940.8	941.3	939.6
42.5°	885.2	891.2	895.9	893.7	891.2
45°	834.2	840.6	845.0	843.6	840.6
47.5°	781.6	787.5	793.5	791.4	788.5
50°	727.6	733.5	738.7	737.9	732.7
52.5°	672.3	679.2	683.9	682.2	675.3
55°	616.3	621.9	626.1	625.2	617.2
57.5°	555.5	562.7	564.9	563.6	557.6
60°	498.0	502.8	504.9	503.2	496.3
62.5°	436.8	440.7	442.3	442.0	437.3
65°	375.6	378.6	379.4	378.6	375.1
67.5°	312.7	316.9	317.4	317.4	313.9
70°	255.7	256.9	255.7	259.1	254.0
72.5°	200.4	201.3	200.4	200.4	198.2
75°	151.6	152.0	151.6	152.0	149.9
77.5°	109.6	110.5	108.8	110.1	107.9
80°	74.5	74.5	73.6	74.1	73.3
82.5°	46.2	47.1	45.9	45.9	45.4
85°	24.4	24.4	24.4	24.9	24.9
87.5°	8.6	8.6	8.9	8.9	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)