

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: P738170

Luminaire Tested: **22PT-35-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PW1-L850
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

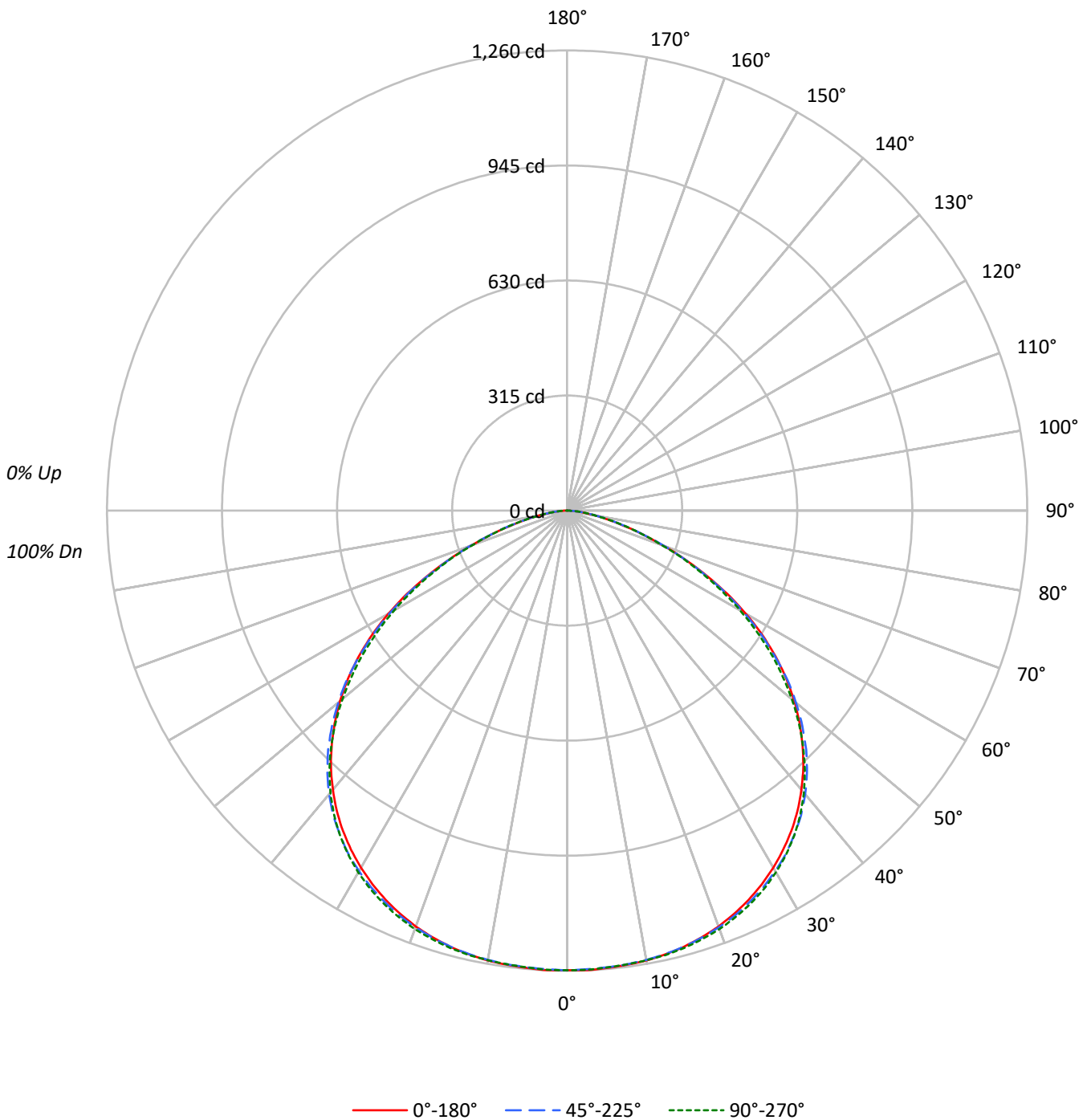
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3638.0 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	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	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	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°	3688	3688	3688
5°	3697	3692	3694
10°	3722	3716	3720
15°	3751	3750	3761
20°	3779	3787	3803
25°	3801	3823	3840
30°	3820	3856	3870
35°	3829	3879	3881
40°	3818	3879	3857
45°	3780	3834	3787
50°	3703	3730	3662
55°	3559	3543	3477
60°	3313	3276	3208
65°	2922	2894	2838
70°	2394	2405	2354
75°	1812	1874	1859
80°	1314	1367	1343
85°	861	891	951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	3.3
10°-20°	349.5	9.6
20°-30°	544.9	15.0
30°-40°	675.4	18.6
40°-50°	706.7	19.4
50°-60°	615.9	16.9
60°-70°	412.6	11.3
70°-80°	178.8	4.9
80°-90°	34.4	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°	1014.1	27.9
0°-40°	1689.6	46.4
0°-60°	3012.2	82.8
0°-90°	3638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1259	1259	1259	1259	1259	
5°	1257	1256	1255	1255	1256	120
15°	1236	1235	1236	1237	1240	349
25°	1176	1176	1182	1186	1188	542
35°	1071	1074	1084	1086	1085	669
45°	912	917	925	918	914	702
55°	697	696	694	686	681	620
65°	421	419	417	413	409	417
75°	160	163	166	164	164	176
85°	26	27	26	27	28	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1258.6	1258.6	1258.6	1258.6	1258.6
2.5°	1259.9	1257.6	1257.1	1257.1	1258.6
5°	1257.1	1255.8	1255.3	1255.0	1255.8
7.5°	1254.5	1252.7	1253.2	1252.2	1253.2
10°	1250.9	1249.1	1249.1	1249.1	1250.4
12.5°	1244.6	1243.3	1243.7	1244.6	1246.4
15°	1236.4	1234.7	1236.1	1237.4	1239.7
17.5°	1225.2	1223.9	1226.2	1228.4	1230.2
20°	1211.8	1210.4	1214.4	1217.7	1219.5
22.5°	1195.1	1194.7	1200.1	1203.7	1205.0
25°	1175.8	1176.2	1182.5	1186.1	1187.9
27.5°	1153.7	1154.6	1162.8	1165.9	1167.7
30°	1129.1	1131.2	1139.8	1142.5	1143.9
32.5°	1101.1	1104.3	1114.6	1116.4	1116.4
35°	1070.6	1074.5	1084.4	1085.8	1084.9
37.5°	1036.4	1040.8	1052.0	1050.2	1048.9
40°	998.1	1003.0	1014.2	1010.7	1008.5
42.5°	957.2	962.1	972.0	966.7	963.4
45°	912.2	917.1	925.3	917.6	914.0
47.5°	863.6	869.4	873.5	865.0	860.5
50°	812.4	814.2	818.2	808.3	803.3
52.5°	756.5	756.5	759.8	748.9	743.0
55°	696.7	696.3	693.6	686.0	680.6
57.5°	633.4	630.6	628.8	620.7	614.5
60°	565.4	561.4	559.1	552.4	547.4
62.5°	494.4	492.1	489.4	484.0	478.6
65°	421.4	419.2	417.4	413.4	409.4
67.5°	349.1	347.7	347.7	345.0	344.5
70°	279.4	280.2	280.7	280.7	274.8
72.5°	216.3	216.8	219.1	217.3	216.8
75°	160.1	162.9	165.5	164.2	164.2
77.5°	115.2	119.2	119.2	118.3	117.0
80°	77.9	79.6	81.0	80.5	79.6
82.5°	49.5	50.8	49.5	50.3	50.8
85°	25.6	27.4	26.5	27.0	28.3
87.5°	8.5	9.4	9.9	9.4	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)