

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: P738138

Luminaire Tested: **22PT-35-PC3-L850**

Issue Date: 2/8/2024



**Test Information**

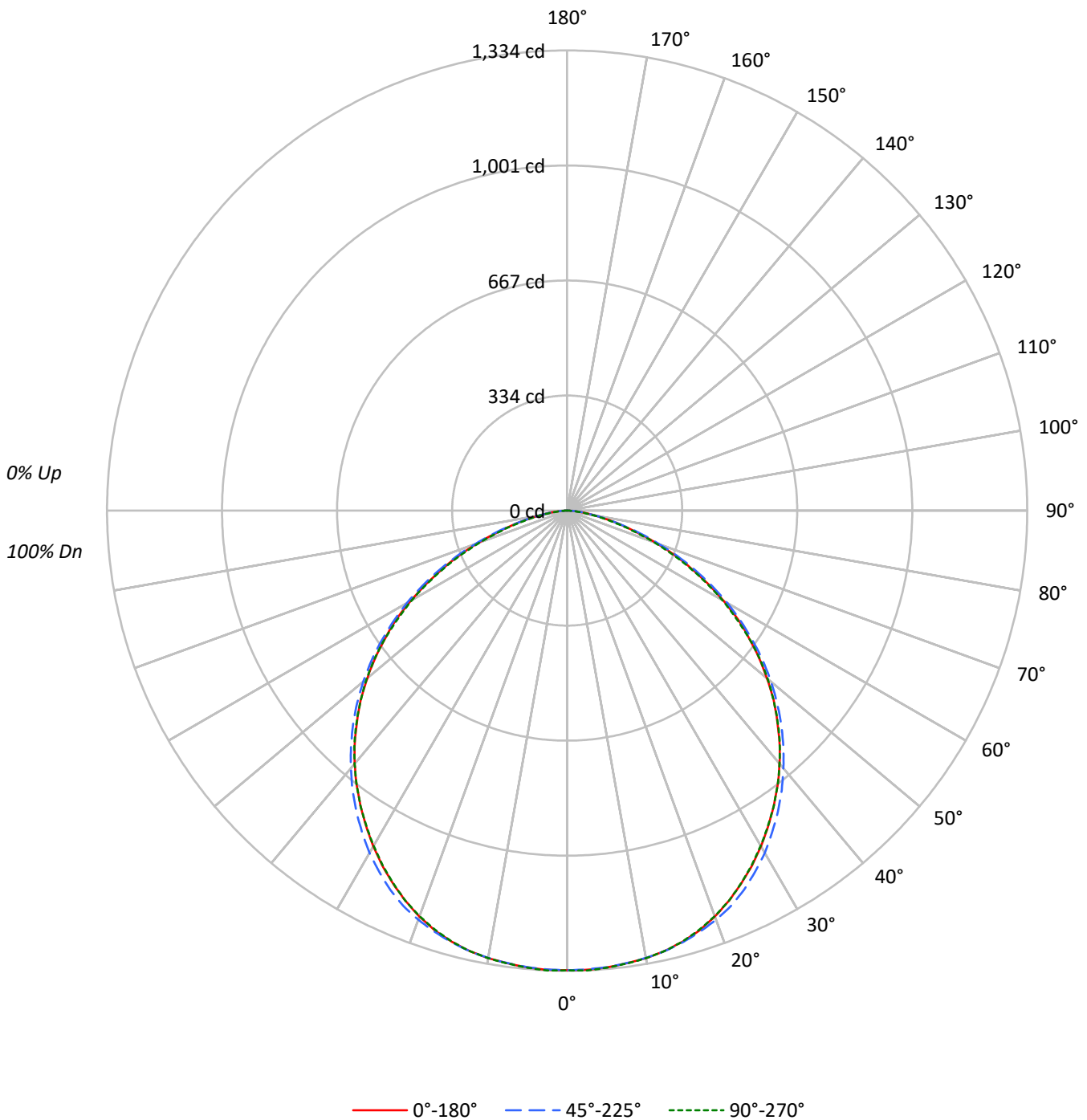
Test Method: LM-79-08  
Report Number: P738138  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PC3-L850  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3580.0 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 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 (A<sub>in</sub>): 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	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3905	3905	3905
5°	3910	3907	3912
10°	3920	3918	3920
15°	3924	3929	3923
20°	3904	3936	3902
25°	3859	3922	3856
30°	3802	3876	3796
35°	3736	3810	3736
40°	3665	3730	3665
45°	3569	3639	3574
50°	3447	3515	3461
55°	3287	3352	3287
60°	3065	3142	3046
65°	2751	2847	2715
70°	2353	2436	2284
75°	1867	1919	1769
80°	1338	1389	1274
85°	884	911	827



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.4	3.5
10°-20°	365.2	10.2
20°-30°	554.1	15.5
30°-40°	661.7	18.5
40°-50°	672.9	18.8
50°-60°	582.1	16.3
60°-70°	400.6	11.2
70°-80°	181.8	5.1
80°-90°	35.2	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°	1045.7	29.2
0°-40°	1707.4	47.7
0°-60°	2962.5	82.8
0°-90°	3580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3580.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1333	1333	1333	1333	1333	
5°	1329	1328	1328	1328	1330	126
15°	1294	1294	1295	1293	1293	365
25°	1194	1204	1213	1202	1193	550
35°	1044	1063	1065	1061	1044	653
45°	861	877	878	877	863	664
55°	644	654	656	655	644	575
65°	397	408	411	407	392	394
75°	165	171	170	168	156	177
85°	26	28	27	26	25	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1332.6	1332.6	1332.6	1332.6	1332.6
2.5°	1332.6	1330.9	1331.3	1331.8	1334.3
5°	1329.3	1328.0	1328.3	1328.3	1330.1
7.5°	1323.7	1323.3	1323.3	1322.8	1324.2
10°	1317.4	1316.5	1316.9	1316.5	1317.4
12.5°	1307.6	1307.6	1308.0	1306.8	1307.6
15°	1293.6	1294.4	1295.3	1293.2	1293.2
17.5°	1275.8	1277.9	1280.0	1276.2	1274.1
20°	1252.1	1257.2	1262.2	1256.3	1251.3
22.5°	1224.5	1233.0	1240.7	1231.3	1224.5
25°	1193.6	1204.2	1213.1	1202.0	1192.8
27.5°	1160.1	1172.0	1180.4	1171.1	1158.4
30°	1123.7	1138.1	1145.7	1136.8	1121.9
32.5°	1084.7	1101.6	1106.2	1100.7	1083.7
35°	1044.4	1063.1	1065.2	1061.4	1044.4
37.5°	1002.4	1020.3	1021.9	1019.8	1002.4
40°	958.3	974.8	975.3	975.3	958.3
42.5°	911.3	927.4	927.4	926.9	912.5
45°	861.3	877.0	878.3	877.3	862.6
47.5°	811.7	823.6	825.6	824.0	810.9
50°	756.2	768.4	771.0	769.3	759.2
52.5°	701.0	712.5	715.0	713.7	702.3
55°	643.5	654.4	656.1	654.9	643.5
57.5°	587.9	595.1	596.7	594.2	579.9
60°	523.0	533.3	536.2	533.3	519.7
62.5°	460.4	471.3	473.9	469.6	455.3
65°	396.8	407.7	410.7	407.3	391.6
67.5°	336.6	344.6	347.2	343.4	328.9
70°	274.7	284.9	284.4	279.3	266.6
72.5°	213.7	227.6	225.1	222.1	208.1
75°	164.9	171.2	169.5	167.9	156.3
77.5°	117.8	125.4	121.3	121.6	111.9
80°	79.3	86.4	82.3	80.5	75.5
82.5°	50.4	53.4	52.6	51.7	47.1
85°	26.3	27.9	27.1	26.3	24.6
87.5°	10.2	11.1	10.2	10.2	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)