

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: P738436

Luminaire Tested: **24PT-30-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PC3-L935
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

Summary

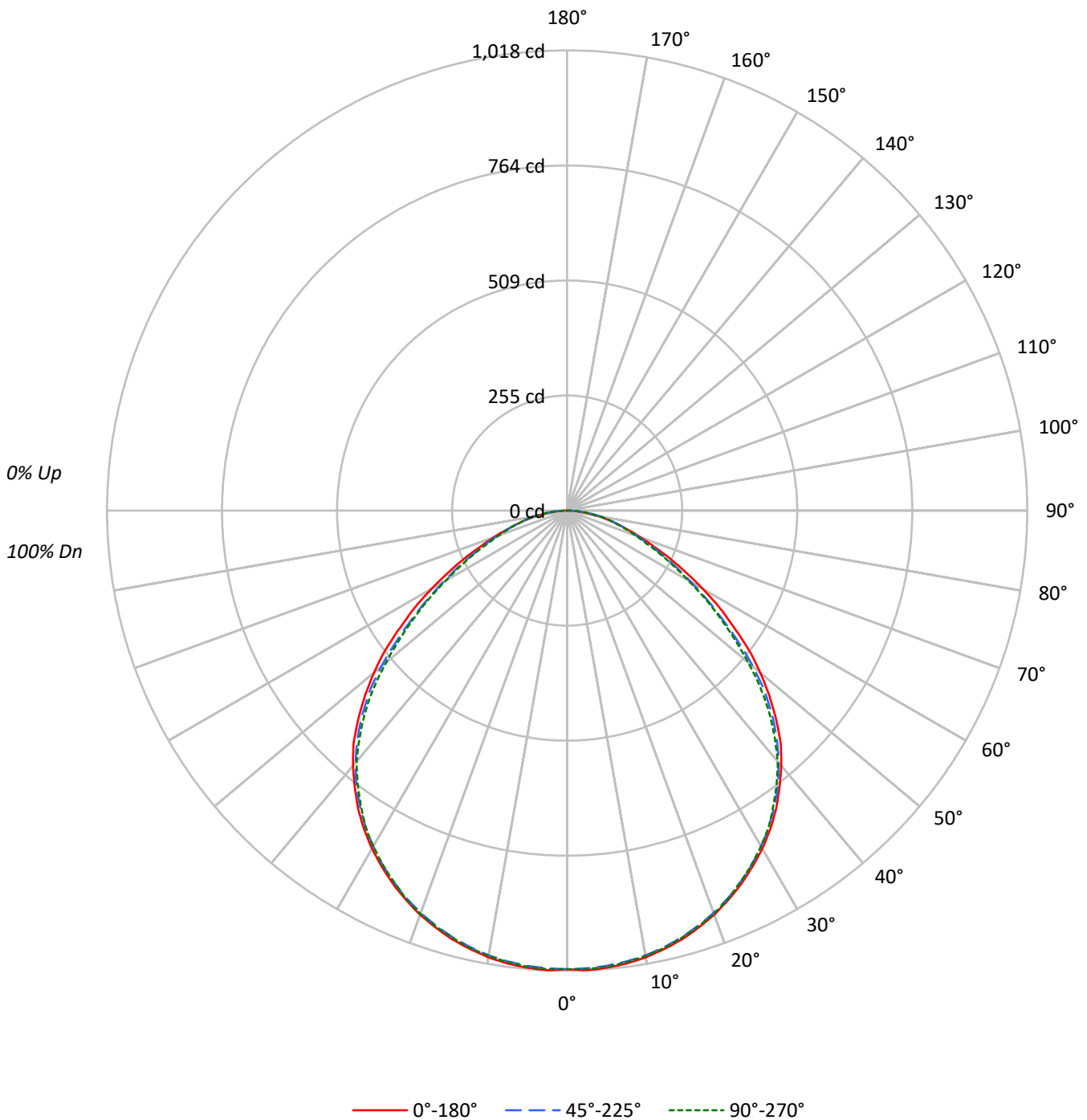
Lumens per Lamp: N/A
Luminaire Lumens: 2559.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.8
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

TEST NUMBER: P738436

CATALOG NUMBER: 24PT-30-PC3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738436

CATALOG NUMBER: 24PT-30-PC3-L935

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	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1455	1455	1455
5°	1461	1455	1458
10°	1461	1455	1457
15°	1458	1451	1453
20°	1452	1445	1448
25°	1442	1435	1434
30°	1430	1420	1420
35°	1410	1399	1393
40°	1379	1362	1356
45°	1325	1301	1283
50°	1245	1197	1165
55°	1125	1049	1029
60°	995	908	890
65°	851	786	766
70°	721	690	670
75°	632	643	621
80°	566	625	590
85°	479	571	543



TEST NUMBER: P738436

CATALOG NUMBER: 24PT-30-PC3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	3.8
10°-20°	276.1	10.8
20°-30°	418.2	16.3
30°-40°	499.6	19.5
40°-50°	492.8	19.3
50°-60°	381.5	14.9
60°-70°	234.5	9.2
70°-80°	122.9	4.8
80°-90°	37.2	1.5
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°	790.5	30.9
0°-40°	1290.1	50.4
0°-60°	2164.4	84.6
0°-90°	2559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	1015	1012	1011	1010	1013	97
15°	982	979	978	977	979	277
25°	911	909	907	906	907	420
35°	806	802	799	797	796	503
45°	654	649	642	635	632	503
55°	450	438	420	413	412	404
65°	251	239	232	225	226	250
75°	114	115	116	114	112	123
85°	29	32	35	34	33	34
90°	0	0	0	0	0	



TEST NUMBER: P738436

CATALOG NUMBER: 24PT-30-PC3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1014.5	1014.5	1014.5	1014.5	1014.5
2.5°	1017.9	1014.8	1013.4	1013.1	1015.3
5°	1015.1	1012.0	1010.8	1010.3	1012.8
7.5°	1010.5	1007.2	1006.0	1005.2	1007.4
10°	1003.5	1000.1	999.0	998.4	1000.4
12.5°	993.3	990.2	989.4	988.5	991.1
15°	982.0	978.9	977.5	976.7	978.6
17.5°	967.3	964.8	963.1	963.1	964.8
20°	951.5	948.4	947.0	946.2	949.0
22.5°	932.0	930.1	928.4	927.0	930.1
25°	911.4	908.6	906.9	906.4	906.6
27.5°	888.0	886.0	883.8	882.9	883.5
30°	863.4	860.9	857.8	856.1	857.5
32.5°	836.0	832.4	829.8	828.1	830.1
35°	805.8	802.2	799.3	796.8	795.7
37.5°	771.4	770.3	766.3	761.8	761.5
40°	736.7	733.6	727.9	725.9	724.5
42.5°	699.4	692.9	687.0	681.3	679.3
45°	653.6	648.8	641.5	634.7	632.5
47.5°	606.8	600.6	593.5	581.6	580.2
50°	557.9	548.9	536.5	526.6	522.4
52.5°	507.1	495.0	477.7	469.3	467.0
55°	450.1	437.9	419.6	413.4	411.7
57.5°	399.2	381.5	366.5	359.4	361.7
60°	347.0	329.8	316.5	309.7	310.3
62.5°	295.9	282.4	272.5	266.0	266.8
65°	250.7	239.2	231.8	225.0	225.9
67.5°	206.4	201.0	195.7	191.7	189.5
70°	172.0	169.7	164.6	160.9	159.8
72.5°	140.6	142.0	137.8	136.7	136.4
75°	114.1	115.2	116.0	113.8	112.1
77.5°	91.2	92.9	96.3	93.2	92.6
80°	68.6	72.0	75.7	73.7	71.4
82.5°	48.0	52.2	55.6	53.1	52.0
85°	29.1	32.5	34.7	33.9	33.0
87.5°	13.0	14.1	15.2	15.5	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)