

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: P738489

Luminaire Tested: **24PT-35-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-35-PW1-L840
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

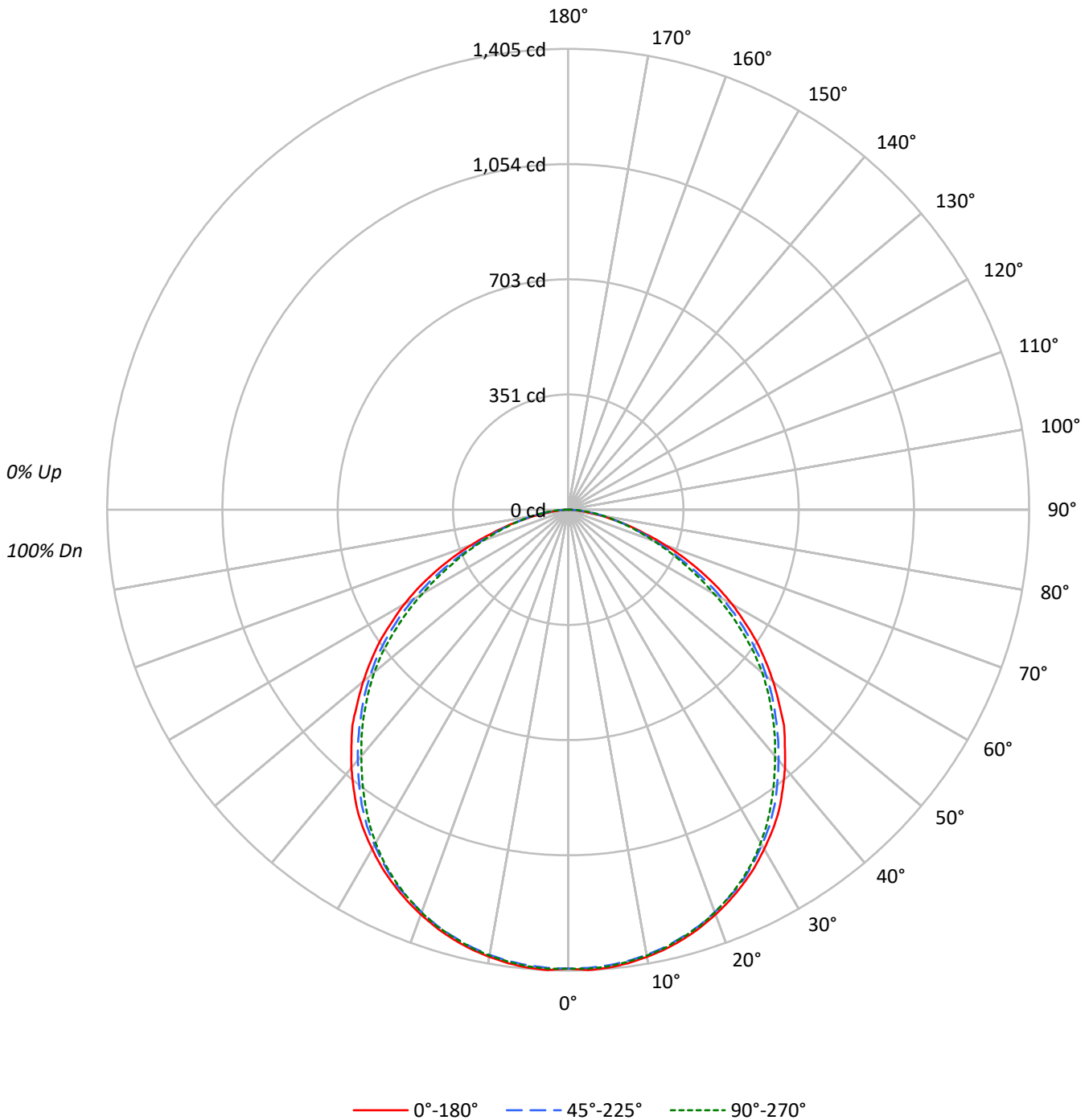
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3731.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
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

TEST NUMBER: P738489
CATALOG NUMBER: 24PT-35-PW1-L840

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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
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	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		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	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2006	2006	2006
5°	2018	2008	2012
10°	2016	2007	2010
15°	2012	2001	2004
20°	2004	1992	1994
25°	1994	1982	1974
30°	1978	1955	1943
35°	1960	1920	1893
40°	1924	1867	1836
45°	1886	1813	1783
50°	1819	1758	1721
55°	1753	1678	1617
60°	1657	1555	1475
65°	1517	1385	1313
70°	1314	1201	1157
75°	1076	1035	1022
80°	785	885	912
85°	526	739	785



TEST NUMBER: P738489

CATALOG NUMBER: 24PT-35-PW1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	3.6
10°-20°	381.0	10.2
20°-30°	576.6	15.5
30°-40°	686.1	18.4
40°-50°	693.0	18.6
50°-60°	599.6	16.1
60°-70°	409.6	11.0
70°-80°	201.9	5.4
80°-90°	50.4	1.4
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°	1090.3	29.2
0°-40°	1776.4	47.6
0°-60°	3069.0	82.3
0°-90°	3731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1399	1399	1399	1399	1399	
5°	1402	1396	1395	1394	1398	133
15°	1356	1351	1348	1348	1350	383
25°	1260	1255	1253	1248	1248	581
35°	1120	1110	1097	1085	1082	699
45°	930	914	894	884	879	714
55°	701	691	671	657	647	624
65°	447	430	408	395	387	441
75°	194	188	187	186	184	208
85°	32	40	45	46	48	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1399.3	1399.3	1399.3	1399.3	1399.3
2.5°	1404.9	1399.7	1398.1	1396.8	1400.5
5°	1401.7	1396.4	1394.8	1393.6	1397.7
7.5°	1394.8	1389.6	1387.9	1386.7	1390.0
10°	1384.7	1379.9	1378.2	1377.0	1380.7
12.5°	1371.8	1367.3	1365.3	1363.7	1367.7
15°	1355.6	1351.1	1348.3	1347.5	1349.9
17.5°	1336.2	1331.7	1329.7	1328.5	1331.3
20°	1313.5	1308.7	1305.8	1304.2	1306.6
22.5°	1288.4	1283.6	1279.9	1278.3	1279.1
25°	1260.1	1255.3	1252.8	1248.0	1248.0
27.5°	1229.8	1224.1	1218.0	1212.8	1213.2
30°	1194.6	1188.1	1180.8	1173.9	1173.5
32.5°	1159.0	1150.9	1142.0	1132.7	1129.9
35°	1119.7	1110.4	1097.1	1084.9	1081.7
37.5°	1073.6	1065.1	1047.3	1037.2	1032.0
40°	1027.9	1015.8	997.6	985.8	981.0
42.5°	977.7	966.0	946.6	935.7	931.6
45°	930.0	914.2	894.0	883.9	879.4
47.5°	870.5	857.6	843.4	831.7	826.1
50°	815.5	805.0	788.0	775.1	771.4
52.5°	758.1	749.2	733.0	716.0	712.0
55°	701.1	691.3	671.1	657.0	646.8
57.5°	636.7	628.2	609.2	591.0	582.1
60°	577.7	563.1	542.1	522.2	514.2
62.5°	513.3	499.2	474.9	454.7	450.2
65°	447.0	430.0	408.2	394.8	387.1
67.5°	379.9	363.3	345.1	336.6	331.7
70°	313.5	300.2	286.4	280.3	275.9
72.5°	249.6	241.9	234.2	231.8	227.8
75°	194.2	188.5	186.9	185.7	184.5
77.5°	140.0	142.8	144.4	146.0	144.4
80°	95.1	101.1	107.2	110.4	110.4
82.5°	58.7	69.2	74.4	77.7	77.3
85°	32.0	39.6	44.9	46.5	47.7
87.5°	12.9	16.2	18.2	19.8	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)