

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: P506644

Luminaire Tested: **24PD-40-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-40-PW1-L940
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

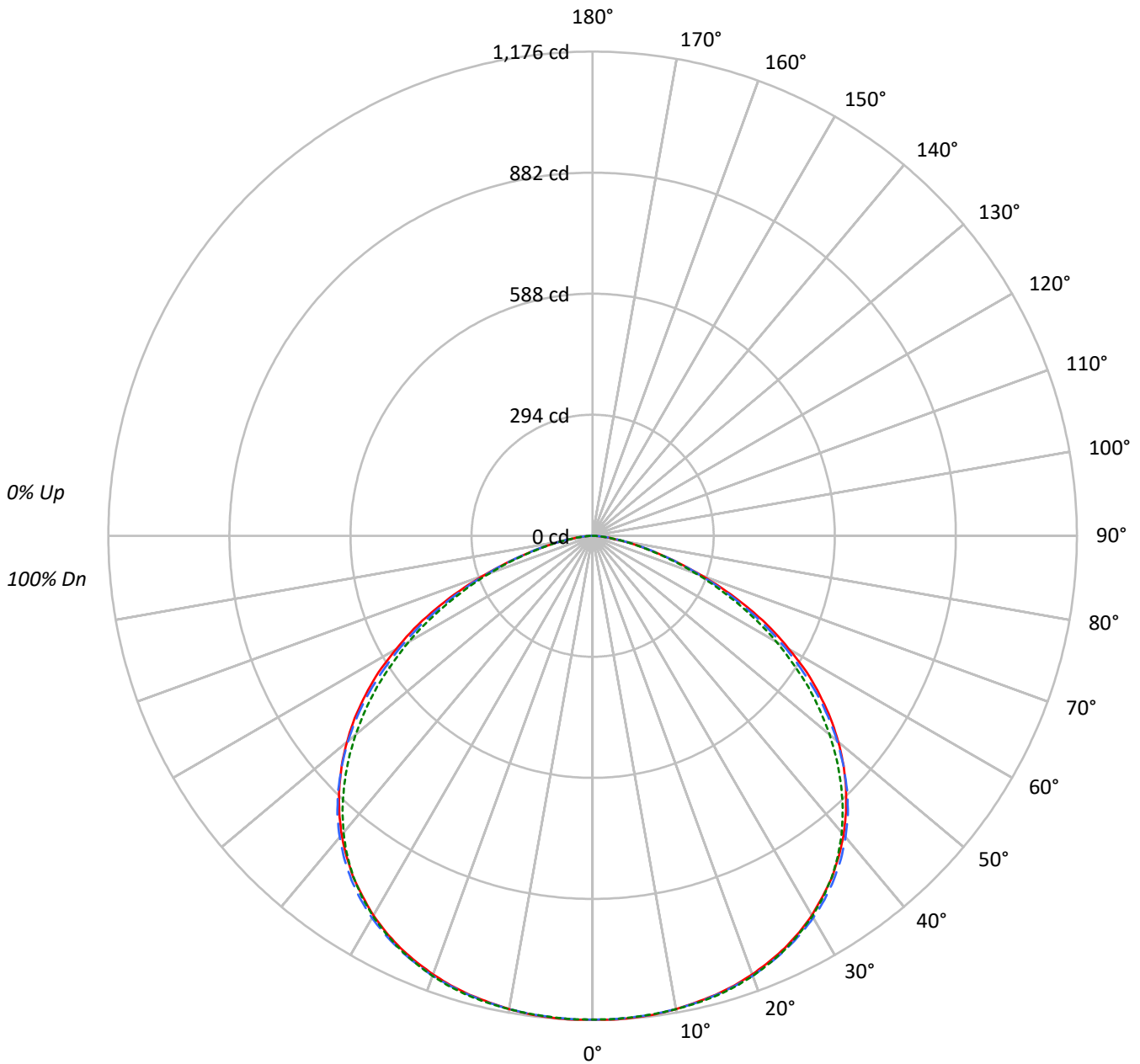
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3446.0 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	98	95	93	95	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	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1581	1581	1581
5°	1587	1585	1585
10°	1595	1595	1595
15°	1608	1609	1612
20°	1623	1628	1629
25°	1640	1647	1645
30°	1654	1665	1658
35°	1664	1677	1662
40°	1666	1678	1653
45°	1656	1662	1622
50°	1630	1623	1572
55°	1578	1553	1498
60°	1482	1444	1388
65°	1337	1288	1236
70°	1102	1085	1045
75°	843	851	817
80°	585	603	590
85°	349	364	355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	3.2
10°-20°	326.7	9.5
20°-30°	510.9	14.8
30°-40°	635.5	18.4
40°-50°	667.9	19.4
50°-60°	586.2	17.0
60°-70°	399.2	11.6
70°-80°	176.1	5.1
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°	949.4	27.6
0°-40°	1584.9	46.0
0°-60°	2839.0	82.4
0°-90°	3446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1175	1174	1174	1172	1174	112
15°	1154	1155	1155	1155	1157	326
25°	1105	1108	1110	1109	1108	509
35°	1013	1018	1021	1016	1012	633
45°	870	876	874	859	853	670
55°	673	670	662	645	638	600
65°	420	410	404	396	388	414
75°	162	163	164	161	157	177
85°	23	24	24	23	23	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1175.1	1175.1	1175.1	1175.1	1175.1
2.5°	1176.4	1175.8	1175.1	1174.1	1175.1
5°	1174.8	1174.5	1173.5	1172.2	1173.5
7.5°	1172.2	1172.2	1171.2	1170.2	1170.9
10°	1167.2	1168.2	1167.2	1166.3	1167.6
12.5°	1160.7	1162.3	1162.0	1162.0	1163.0
15°	1154.1	1155.4	1155.1	1155.1	1157.4
17.5°	1144.9	1146.6	1146.9	1147.6	1148.9
20°	1133.5	1135.8	1137.1	1136.7	1137.7
22.5°	1120.0	1122.6	1123.6	1124.3	1123.6
25°	1104.6	1107.5	1109.5	1108.8	1107.9
27.5°	1085.9	1089.2	1091.8	1090.1	1088.2
30°	1064.9	1067.8	1071.8	1068.8	1066.9
32.5°	1039.0	1044.5	1048.2	1044.5	1041.6
35°	1013.1	1017.6	1020.9	1016.0	1012.1
37.5°	981.6	987.1	990.1	983.2	978.9
40°	948.4	954.0	955.6	946.8	941.2
42.5°	910.7	916.9	917.6	905.1	898.9
45°	870.3	875.9	873.6	859.2	852.6
47.5°	826.7	830.7	825.7	811.0	803.8
50°	778.8	781.1	775.2	757.8	750.9
52.5°	728.3	728.0	720.4	703.0	695.5
55°	672.9	670.2	662.0	644.6	638.4
57.5°	616.1	607.9	599.0	584.3	576.1
60°	550.8	544.6	536.7	521.9	515.7
62.5°	489.1	478.0	471.4	458.3	452.7
65°	419.9	409.7	404.5	395.6	388.1
67.5°	350.4	342.5	338.9	332.7	325.8
70°	280.2	277.9	275.9	270.0	265.7
72.5°	218.2	217.5	217.2	213.9	209.6
75°	162.1	163.0	163.7	160.8	157.1
77.5°	115.5	117.1	116.8	115.1	114.2
80°	75.5	76.8	77.8	76.1	76.1
82.5°	45.6	46.9	46.6	47.2	45.9
85°	22.6	23.6	23.6	23.3	23.0
87.5°	8.2	8.5	8.2	8.5	8.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)