

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: P506697

Luminaire Tested: **24PD-50-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506697
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-50-PW1-L935
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

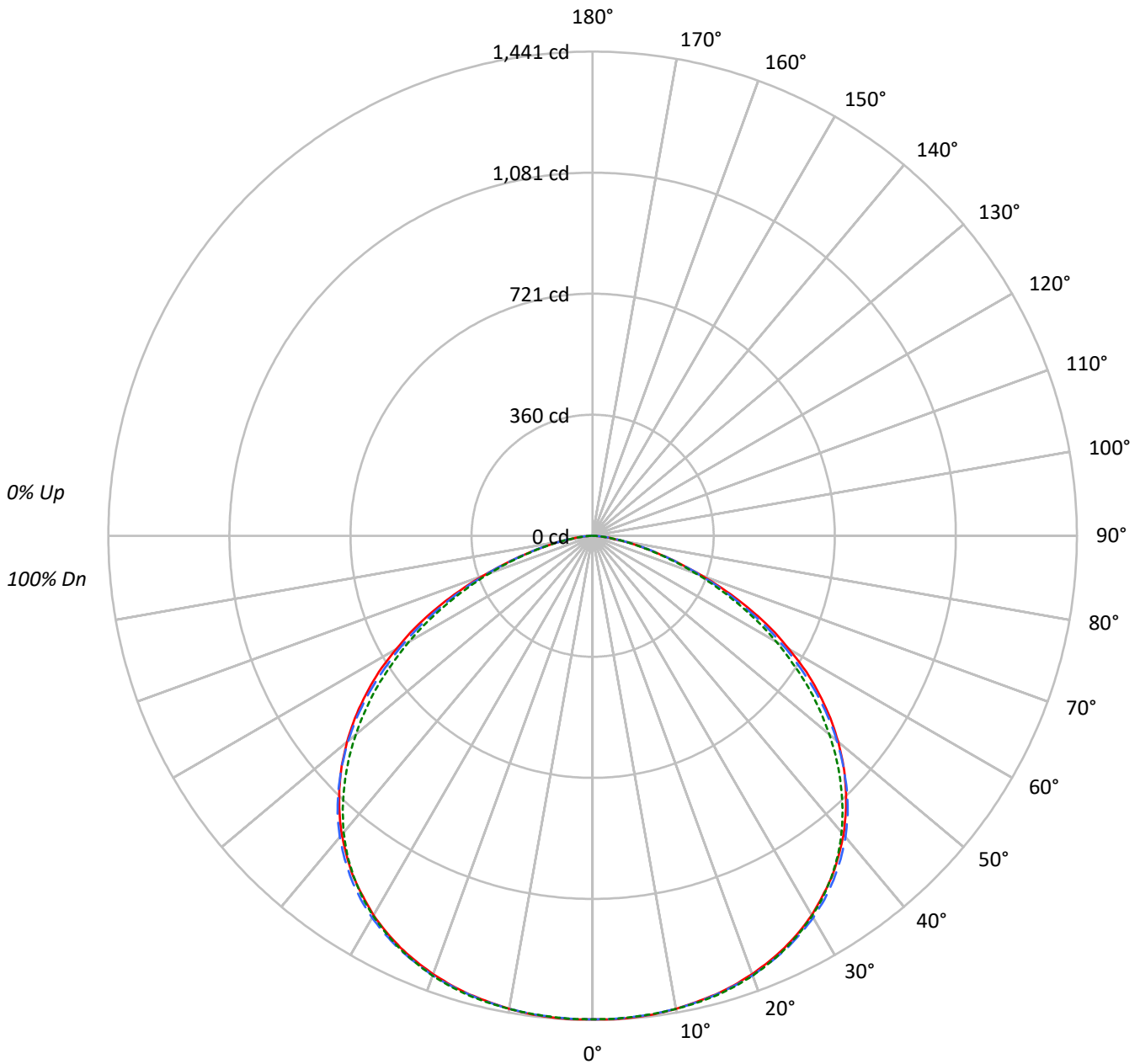
Lumens per Lamp: N/A
Luminaire Lumens: 4219.8 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
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	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°	1936	1936	1936
5°	1943	1941	1941
10°	1953	1953	1953
15°	1969	1970	1974
20°	1987	1994	1995
25°	2008	2017	2014
30°	2026	2039	2030
35°	2038	2054	2036
40°	2040	2055	2024
45°	2028	2036	1987
50°	1996	1987	1925
55°	1933	1902	1834
60°	1815	1769	1699
65°	1637	1577	1513
70°	1350	1329	1280
75°	1032	1042	1000
80°	716	738	722
85°	428	446	434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.9	3.2
10°-20°	400.0	9.5
20°-30°	625.6	14.8
30°-40°	778.2	18.4
40°-50°	817.8	19.4
50°-60°	717.9	17.0
60°-70°	488.8	11.6
70°-80°	215.6	5.1
80°-90°	38.8	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°	1162.6	27.6
0°-40°	1940.8	46.0
0°-60°	3476.5	82.4
0°-90°	4219.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4219.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1439	1439	1439	1439	1439	
5°	1439	1438	1437	1435	1437	137
15°	1413	1415	1414	1414	1417	399
25°	1353	1356	1359	1358	1357	624
35°	1240	1246	1250	1244	1239	775
45°	1066	1073	1070	1052	1044	821
55°	824	821	811	789	782	734
65°	514	502	495	484	475	507
75°	198	200	200	197	192	217
85°	28	29	29	28	28	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1439.0	1439.0	1439.0	1439.0	1439.0
2.5°	1440.6	1439.8	1439.0	1437.8	1439.0
5°	1438.6	1438.2	1437.0	1435.4	1437.0
7.5°	1435.4	1435.4	1434.2	1433.0	1433.8
10°	1429.4	1430.6	1429.4	1428.1	1429.8
12.5°	1421.3	1423.3	1422.9	1422.9	1424.1
15°	1413.3	1414.9	1414.5	1414.5	1417.3
17.5°	1402.0	1404.0	1404.4	1405.3	1406.9
20°	1388.0	1390.8	1392.4	1392.0	1393.2
22.5°	1371.5	1374.7	1375.9	1376.7	1375.9
25°	1352.6	1356.2	1358.7	1357.8	1356.6
27.5°	1329.7	1333.7	1337.0	1334.9	1332.5
30°	1304.0	1307.6	1312.5	1308.8	1306.4
32.5°	1272.3	1279.1	1283.5	1279.1	1275.5
35°	1240.5	1246.2	1250.2	1244.2	1239.3
37.5°	1202.0	1208.8	1212.4	1204.0	1198.8
40°	1161.4	1168.2	1170.2	1159.4	1152.6
42.5°	1115.2	1122.8	1123.6	1108.4	1100.7
45°	1065.8	1072.6	1069.8	1052.1	1044.1
47.5°	1012.4	1017.2	1011.2	993.1	984.2
50°	953.7	956.5	949.3	928.0	919.6
52.5°	891.8	891.4	882.2	860.9	851.7
55°	823.9	820.7	810.7	789.4	781.8
57.5°	754.4	744.4	733.6	715.5	705.4
60°	674.5	666.9	657.2	639.2	631.5
62.5°	599.0	585.3	577.3	561.2	554.4
65°	514.2	501.8	495.3	484.5	475.2
67.5°	429.0	419.4	415.0	407.4	398.9
70°	343.1	340.3	337.9	330.6	325.4
72.5°	267.2	266.3	265.9	261.9	256.7
75°	198.5	199.7	200.5	196.8	192.4
77.5°	141.4	143.4	143.0	141.0	139.8
80°	92.4	94.0	95.2	93.2	93.2
82.5°	55.8	57.4	57.0	57.8	56.2
85°	27.7	28.9	28.9	28.5	28.1
87.5°	10.0	10.4	10.0	10.4	10.0
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)