

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: P506317

Luminaire Tested: **22PD-45-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-45-PW1-L927
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

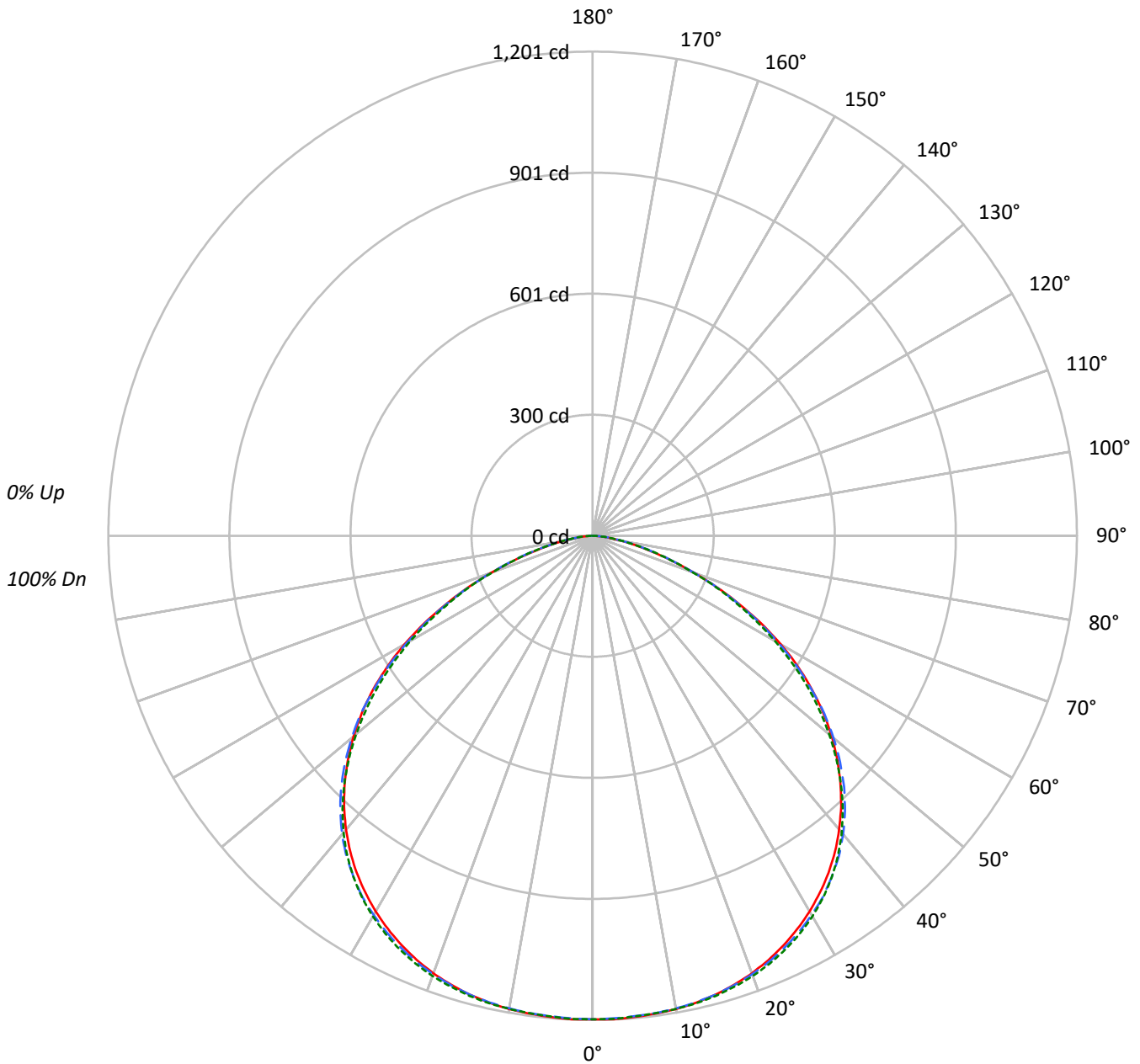
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3467.1 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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	99	96	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72								
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	70	62	56	68	61	55	66	60	55	63	58	54	52								
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45								
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39								
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35								
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3228	3228	3228
5°	3237	3232	3233
10°	3258	3253	3256
15°	3283	3282	3291
20°	3307	3314	3328
25°	3327	3346	3361
30°	3343	3375	3387
35°	3352	3395	3397
40°	3341	3396	3376
45°	3309	3356	3315
50°	3241	3265	3205
55°	3115	3101	3043
60°	2900	2868	2808
65°	2558	2533	2484
70°	2094	2105	2061
75°	1587	1641	1627
80°	1150	1196	1176
85°	753	781	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	3.3
10°-20°	333.1	9.6
20°-30°	519.3	15.0
30°-40°	643.7	18.6
40°-50°	673.6	19.4
50°-60°	586.9	16.9
60°-70°	393.2	11.3
70°-80°	170.4	4.9
80°-90°	32.8	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°	966.5	27.9
0°-40°	1610.2	46.4
0°-60°	2870.7	82.8
0°-90°	3467.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3467.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1198	1197	1196	1196	1197	114
15°	1178	1177	1178	1179	1181	333
25°	1121	1121	1127	1130	1132	517
35°	1020	1024	1034	1035	1034	638
45°	869	874	882	874	871	669
55°	664	664	661	654	649	591
65°	402	400	398	394	390	397
75°	153	155	158	156	156	168
85°	24	26	25	26	27	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.4	1199.4	1199.4	1199.4	1199.4
2.5°	1200.7	1198.6	1198.2	1198.2	1199.4
5°	1198.2	1196.9	1196.4	1196.0	1196.9
7.5°	1195.6	1193.9	1194.3	1193.4	1194.3
10°	1192.2	1190.4	1190.4	1190.4	1191.7
12.5°	1186.2	1184.9	1185.3	1186.2	1187.9
15°	1178.4	1176.7	1178.0	1179.3	1181.4
17.5°	1167.7	1166.4	1168.6	1170.7	1172.4
20°	1154.9	1153.6	1157.4	1160.4	1162.1
22.5°	1139.0	1138.6	1143.7	1147.1	1148.4
25°	1120.6	1121.0	1127.0	1130.4	1132.1
27.5°	1099.6	1100.4	1108.1	1111.1	1112.8
30°	1076.0	1078.1	1086.3	1088.8	1090.1
32.5°	1049.4	1052.4	1062.3	1064.0	1064.0
35°	1020.3	1024.1	1033.5	1034.8	1034.0
37.5°	987.7	992.0	1002.7	1001.0	999.7
40°	951.2	956.0	966.7	963.2	961.1
42.5°	912.2	916.9	926.4	921.2	918.2
45°	869.4	874.1	881.8	874.5	871.1
47.5°	823.1	828.6	832.5	824.3	820.1
50°	774.2	775.9	779.8	770.3	765.6
52.5°	721.0	721.0	724.0	713.7	708.2
55°	664.0	663.6	661.0	653.7	648.6
57.5°	603.6	601.0	599.3	591.6	585.6
60°	538.8	535.0	532.8	526.4	521.7
62.5°	471.1	469.0	466.4	461.3	456.1
65°	401.7	399.5	397.8	394.0	390.1
67.5°	332.7	331.4	331.4	328.8	328.4
70°	266.2	267.1	267.5	267.5	261.9
72.5°	206.2	206.6	208.8	207.1	206.6
75°	152.6	155.2	157.8	156.5	156.5
77.5°	109.7	113.6	113.6	112.7	111.5
80°	74.2	75.9	77.2	76.7	75.9
82.5°	47.2	48.4	47.2	48.0	48.4
85°	24.4	26.1	25.3	25.7	27.0
87.5°	8.1	9.0	9.4	9.0	9.0
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)