

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P561588

Luminaire Tested: **SQ4-PC3-0U-075D-92765-1D-UNV-STD-W-4 (5700K)**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-2019
Report Number: P561588
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4-PC3-0U-075D-92765-1D-UNV-STD-W-4 (5700K)
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH PERCEIVE PYRAMID CONTINUOUS LENS
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K/65000K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3222.2 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

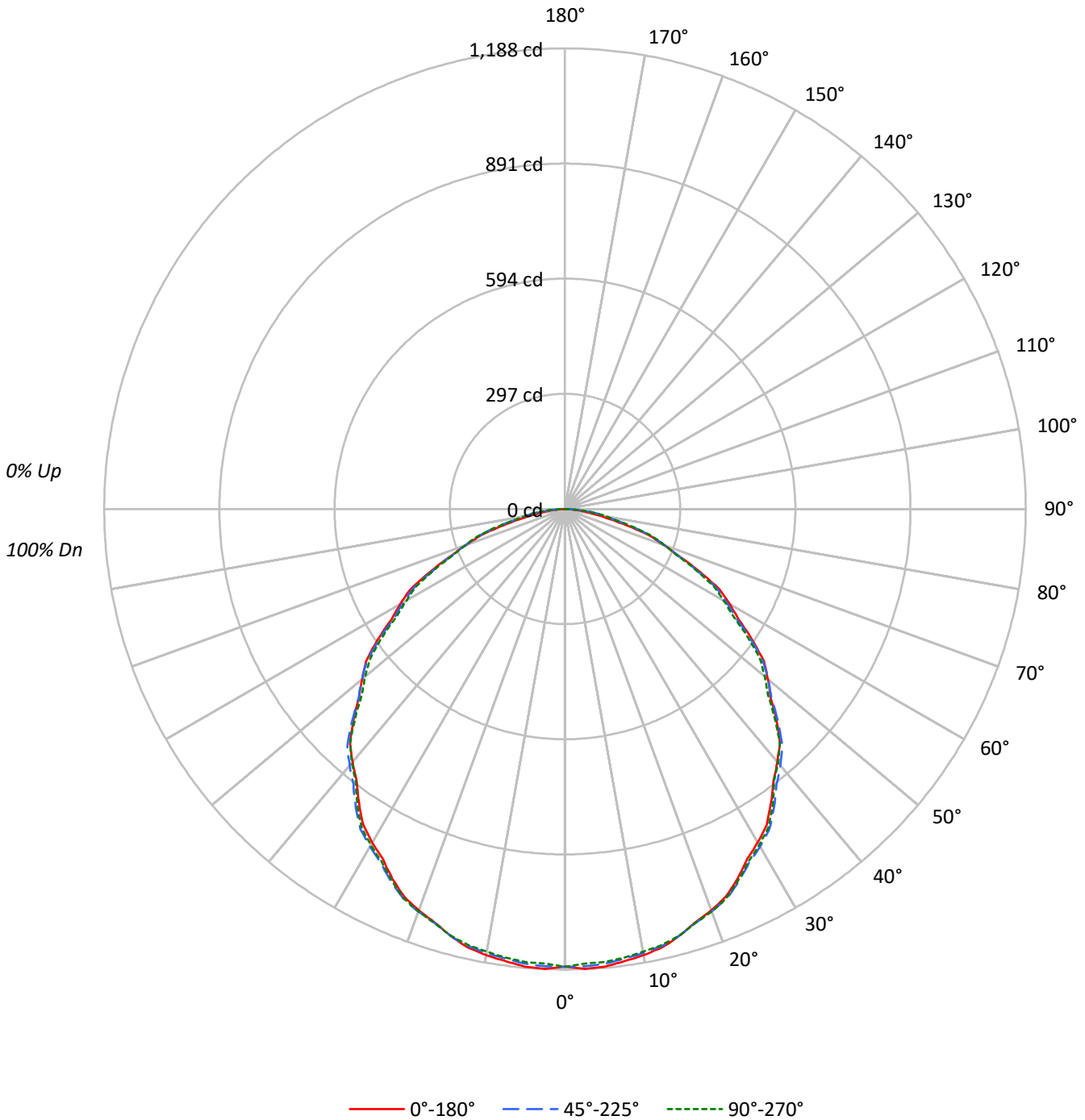
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92		94	92	89		91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76		83	78	75		80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64		73	68	63		71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48		59	52	47		57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	54	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°	10892	10892	10892
5°	10975	10904	10864
10°	10948	10897	10867
15°	10891	10891	10880
20°	10819	10851	10851
25°	10716	10795	10761
30°	10586	10714	10668
35°	10429	10588	10515
40°	10257	10401	10296
45°	10070	10142	9984
50°	9806	9806	9650
55°	9495	9373	9231
60°	9036	8855	8715
65°	8353	8187	8115
70°	7313	7372	7343
75°	5885	6509	6548
80°	4181	5520	5574
85°	2551	4626	4626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	3.5
10°-20°	320.6	10.0
20°-30°	485.6	15.1
30°-40°	582.1	18.1
40°-50°	593.6	18.4
50°-60°	518.2	16.1
60°-70°	371.0	11.5
70°-80°	191.1	5.9
80°-90°	48.3	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°	918.0	28.5
0°-40°	1500.1	46.6
0°-60°	2611.9	81.1
0°-90°	3222.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3222.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1185	1173	1177	1174	1173	112
15°	1140	1131	1140	1140	1139	321
25°	1053	1045	1060	1057	1057	484
35°	926	924	940	934	934	579
45°	772	770	777	767	765	594
55°	590	583	583	574	574	526
65°	383	374	375	372	372	378
75°	165	173	183	184	184	178
85°	24	37	44	45	44	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1180.6	1180.6	1180.6	1180.6	1180.6
2.5°	1187.6	1177.4	1180.6	1177.9	1173.6
5°	1185.0	1173.3	1177.4	1174.1	1173.0
7.5°	1176.5	1164.7	1170.1	1167.9	1166.9
10°	1168.6	1156.9	1163.1	1160.9	1159.9
12.5°	1158.1	1147.2	1154.4	1152.2	1152.0
15°	1140.2	1130.6	1140.2	1140.2	1139.1
17.5°	1117.7	1108.9	1119.2	1119.8	1119.2
20°	1101.9	1092.3	1105.2	1104.1	1105.2
22.5°	1082.7	1074.8	1088.6	1085.8	1086.8
25°	1052.7	1045.3	1060.4	1057.1	1057.1
27.5°	1017.3	1012.0	1028.5	1025.0	1025.0
30°	993.7	988.4	1005.7	1001.4	1001.4
32.5°	967.5	963.8	980.4	975.1	975.1
35°	925.9	923.8	940.1	933.6	933.6
37.5°	883.1	881.1	896.0	888.0	885.5
40°	851.6	850.5	863.6	854.9	854.9
42.5°	820.1	819.0	830.4	819.9	819.9
45°	771.8	769.6	777.3	767.4	765.2
47.5°	719.1	717.0	721.7	711.0	709.9
50°	683.2	681.1	683.2	673.4	672.3
52.5°	646.5	642.7	643.0	633.2	633.0
55°	590.3	582.8	582.7	573.9	573.9
57.5°	530.8	521.0	521.9	514.4	513.4
60°	489.7	479.1	479.9	473.3	472.3
62.5°	449.5	437.1	439.7	432.2	432.0
65°	382.6	374.1	375.0	371.7	371.7
67.5°	318.3	310.4	316.1	313.5	313.3
70°	271.1	265.8	273.3	273.3	272.2
72.5°	227.4	227.2	236.6	236.6	237.2
75°	165.1	172.6	182.6	183.7	183.7
77.5°	110.2	123.4	134.5	134.9	134.7
80°	78.7	93.7	103.9	106.0	104.9
82.5°	53.3	69.2	77.6	79.8	78.7
85°	24.1	36.9	43.7	44.8	43.7
87.5°	7.0	14.7	17.5	17.5	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)