

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number:

Luminaire Tested: **913-75PAR30-120-NFL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number:
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 913-75PAR30-120-NFL
Description:
Light Source: 75PAR/H/NFL25°
BARE LAMP DATA FOR 913
Ballast/Driver: -

Summary

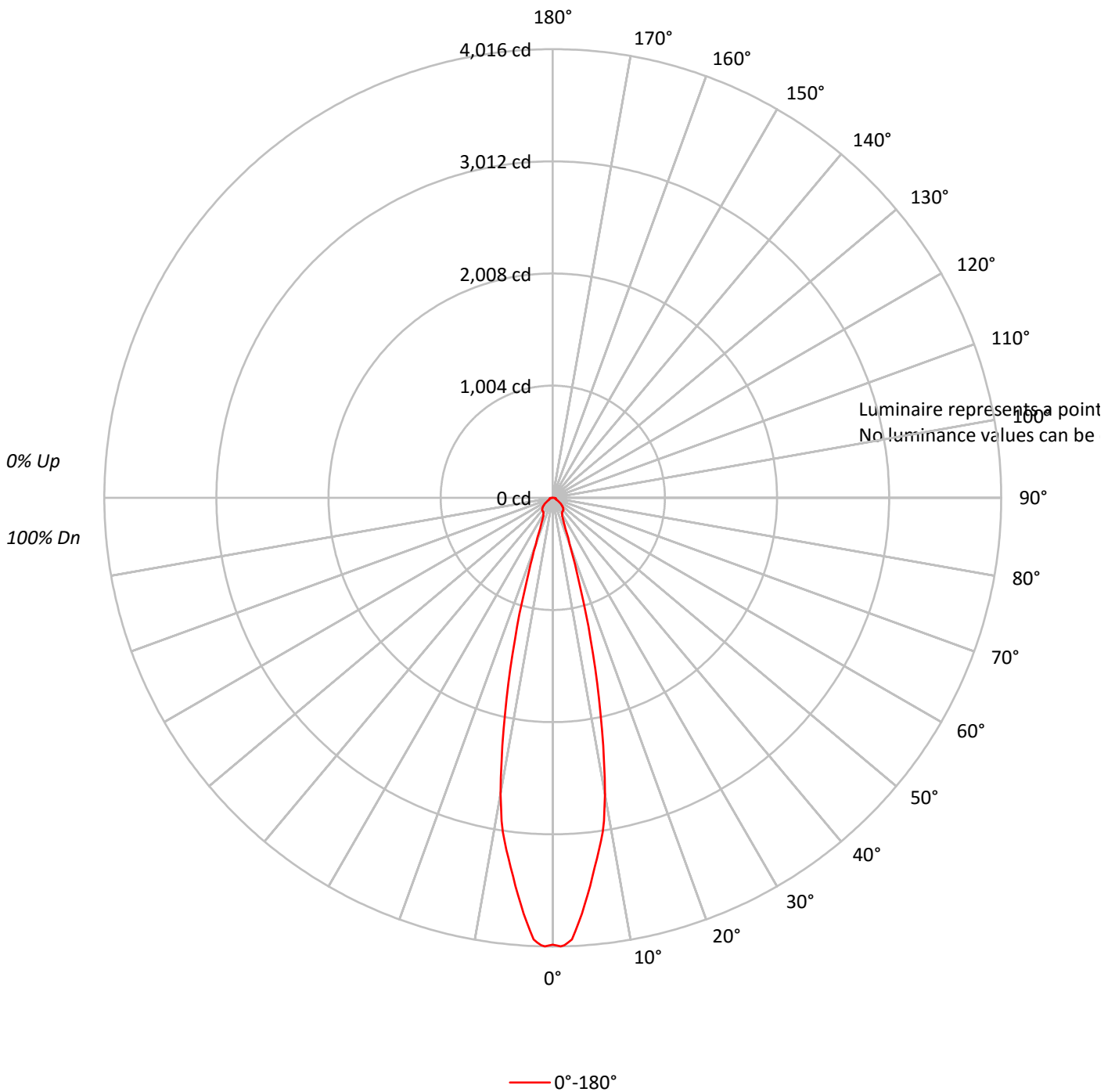
Lumens per Lamp: 1030 (1 lamp)
Luminaire Lumens: 1141.4 lumens
Efficiency: 110.8%
Efficacy: -
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.4
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 0
Input Voltage (V): NR
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: 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	0
RCR																				
0	132	132	132	132	129	129	129	129	123	123	123		118	118	118		113	113	113	111
1	125	121	118	115	122	119	116	113	114	112	110		110	108	106		106	105	103	101
2	118	112	107	103	116	110	106	102	107	103	100		103	100	98		100	98	96	94
3	112	105	99	94	110	103	98	94	100	96	92		98	94	91		95	92	89	88
4	107	99	92	88	105	97	92	87	95	90	86		93	88	85		91	87	84	82
5	102	93	87	82	101	92	86	82	90	85	81		88	84	80		87	83	80	78
6	98	89	82	78	97	88	82	77	86	81	77		85	80	76		83	79	76	74
7	94	85	78	74	93	84	78	74	83	77	73		81	76	73		80	76	72	71
8	91	81	75	71	90	80	75	70	79	74	70		78	73	70		77	73	70	68
9	88	78	72	68	87	77	72	68	76	71	67		75	71	67		75	70	67	66
10	85	75	69	65	84	75	69	65	74	69	65		73	68	65		72	68	65	63

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	314.6	27.6	30.5
10°-20°	362.9	31.8	35.2
20°-30°	112.2	9.8	10.9
30°-40°	95.8	8.4	9.3
40°-50°	100.2	8.8	9.7
50°-60°	69.8	6.1	6.8
60°-70°	35.1	3.1	3.4
70°-80°	30.9	2.7	3.0
80°-90°	19.9	1.7	1.9
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	789.7	69.2	76.7
0°-40°	885.5	77.6	86.0
0°-60°	1055.4	92.5	102.5
0°-90°	1141.4	100.0	110.8
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1141.4	100.0	110.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	4000	
5°	3572	315
15°	1306	363
25°	219	112
35°	149	96
45°	132	100
55°	79	70
65°	33	35
75°	32	31
85°	17	20
90°	15	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4000
1.25°	4020
2.5°	3956
3.75°	3771
5°	3572
6.25°	3365
7.5°	3178
8.75°	2987
10°	2693
12.5°	1977
15°	1306
17.5°	746
20°	443
22.5°	292
25°	219
27.5°	184
30°	166
35°	149
40°	147
45°	132
50°	108
55°	79
60°	47
65°	33
70°	29
75°	32
80°	24
85°	17
90°	15

(END OF REPORT)