

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: HALO COMMERCIAL

Report Number: P21688

Luminaire Tested: **PD6V120-60VC_16PAR38LED**

Issue Date: 03/03/2020



Test Information

Test Method: LM-79-08
Report Number: P21688
Test Lab: INNOVATION CENTER P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PD6V120-60VC_16PAR38LED
Description: HALO 6 INCH RECESSED LED OPEN DOWNLIGHT
VERTICAL LAMP, SPECULAR CLEAR TRIM.
Light Source: (1) PAR 38 LED 16 WATTS
16E26PAR38
Ballast/Driver: -

Summary

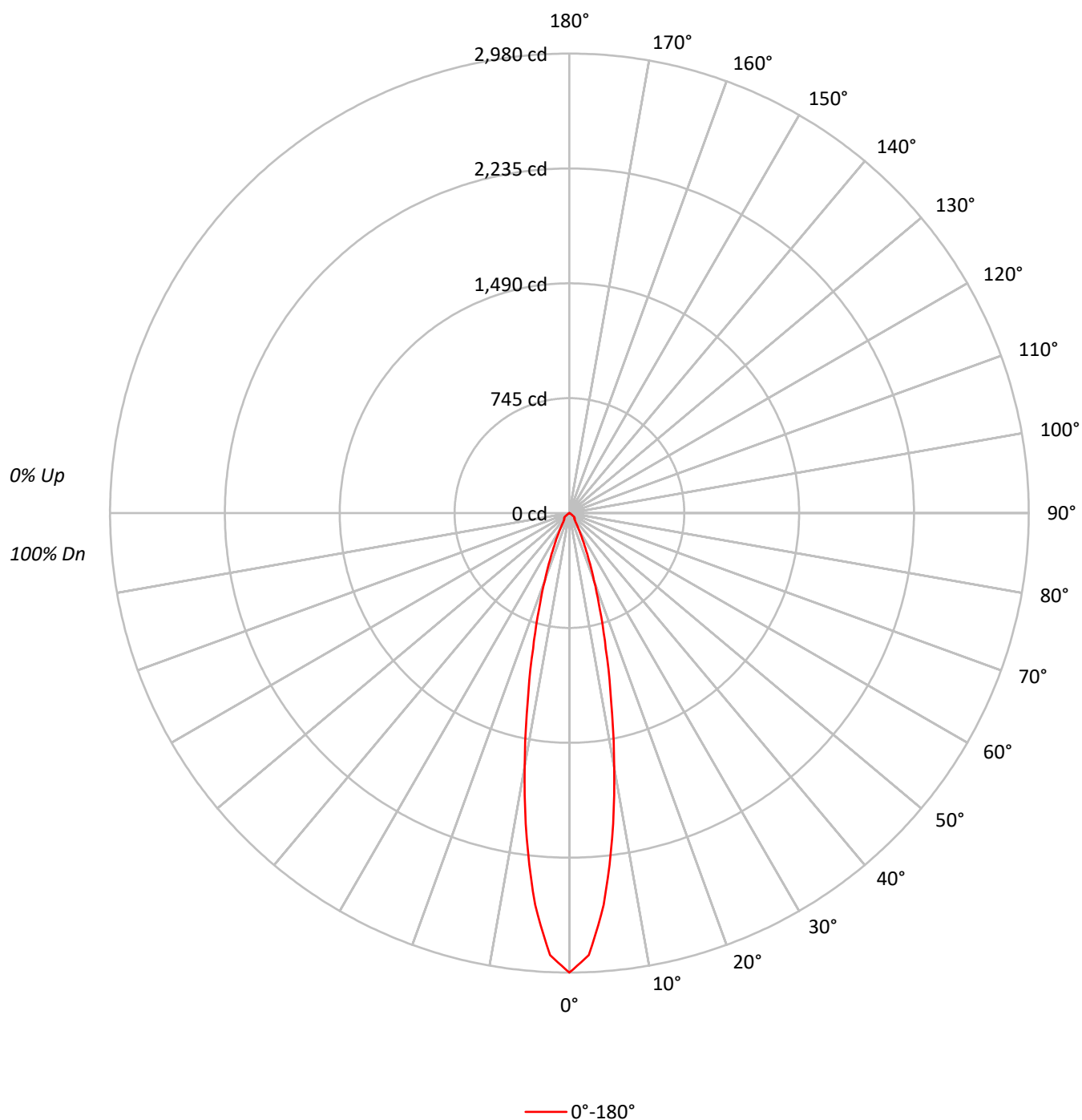
Lumens per Lamp: N/A
Luminaire Lumens: 682.9 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.4
Luminous Opening: Vertical Cylinder (Dia: 0.52' x H: 0.1')
CIE Type: Direct

Input Watts (W): 15.1
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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96							
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91							
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87							
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84							
5	99	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80							
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	84	81	78	77							
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74							
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72							
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69							
10	84	76	72	69	83	76	72	69	75	71	69	74	71	68	74	71	68	67							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150557
5°	126616
10°	82183
15°	44720
20°	23007
25°	11559
30°	6032
35°	3634
40°	2846
45°	2756
50°	2435
55°	783
60°	71
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	31.5
10°-20°	257.9	37.8
20°-30°	112.7	16.5
30°-40°	46.0	6.7
40°-50°	36.5	5.3
50°-60°	14.3	2.1
60°-70°	0.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	585.6	85.8
0°-40°	631.7	92.5
0°-60°	682.5	99.9
0°-90°	682.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2980	
5°	2550	215
15°	911	258
25°	231	113
35°	69	46
45°	48	36
55°	12	14
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2980
2.5°	2870
5°	2550
7.5°	2126
10°	1671
12.5°	1249
15°	911
17.5°	655
20°	466
22.5°	328
25°	231
27.5°	163
30°	118
32.5°	87
35°	69
37.5°	57
40°	52
42.5°	49
45°	48
47.5°	46
50°	40
52.5°	27
55°	12
57.5°	6
60°	1
62.5°	1
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)