

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: PORTFOLIO

Report Number: P250061

Luminaire Tested: **LSR8B150D010 EC8B150840 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150840 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14525.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

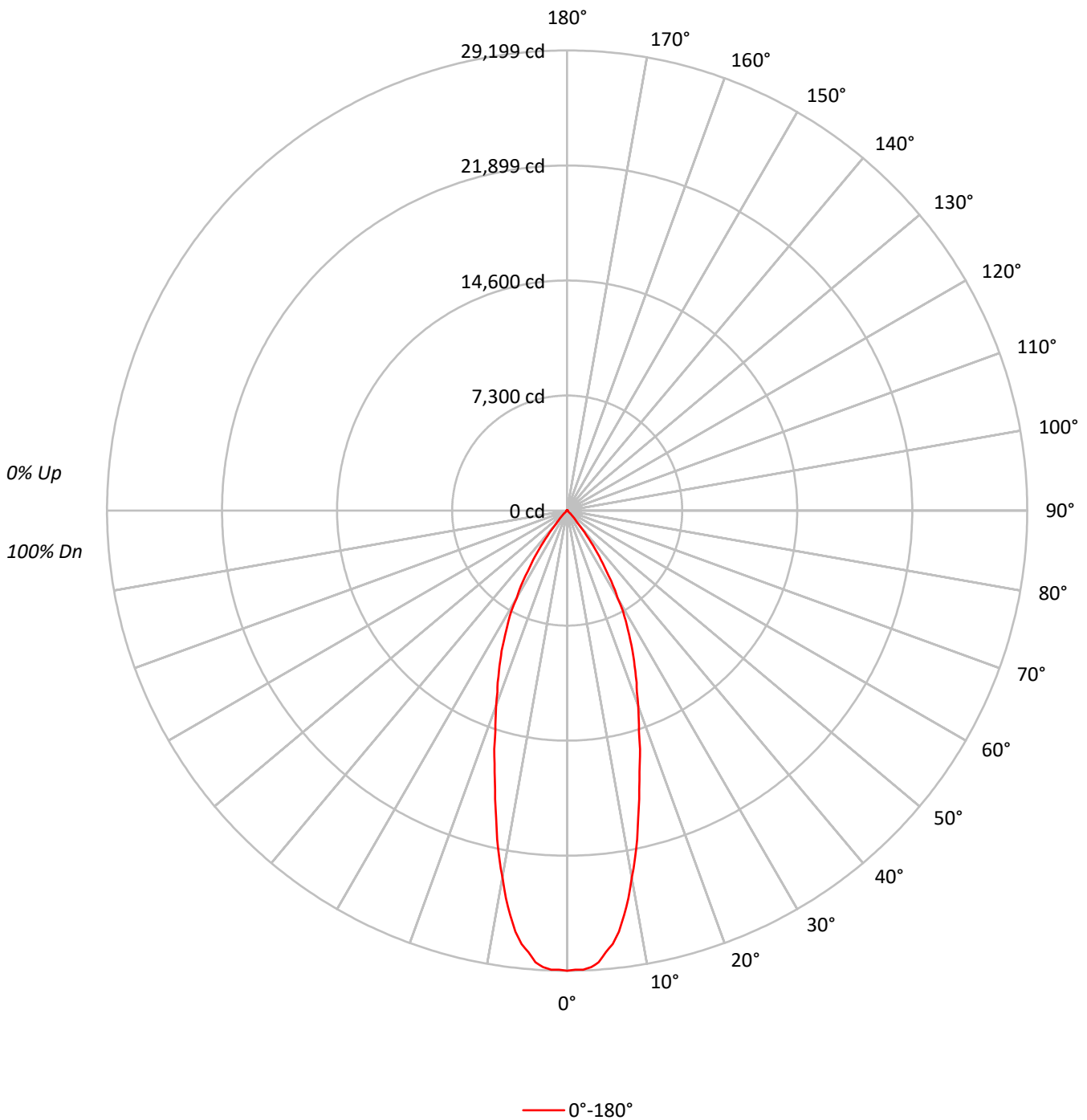
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74		80	76	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	900383
5°	870720
10°	740492
15°	565175
20°	431935
25°	334716
30°	228289
35°	134126
40°	41011
45°	16135
50°	245
55°	274
60°	315
65°	744
70°	1379
75°	1215
80°	906
85°	5413



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2550.1	17.6
10°-20°	4941.5	34.0
20°-30°	4448.9	30.6
30°-40°	2201.1	15.2
40°-50°	334.8	2.3
50°-60°	13.8	0.1
60°-70°	17.7	0.1
70°-80°	6.7	0.0
80°-90°	10.4	0.1
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°	11940.5	82.2
0°-40°	14141.6	97.4
0°-60°	14490.2	99.8
0°-90°	14525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14525.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29199	
5°	28129	###
15°	17704	4941
25°	9838	4449
35°	3563	2201
45°	370	335
55°	5	14
65°	10	18
75°	10	7
85°	15	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	29198.8
1°	29138.0
2°	29153.0
3°	29006.1
4°	28737.6
5°	28129.4
6°	27663.0
7°	26923.1
8°	25929.7
9°	24895.7
10°	23648.8
11°	22533.9
12°	21337.8
13°	20014.9
14°	18874.5
15°	17703.7
16°	16705.2
17°	15823.4
18°	14738.7
19°	13942.9
20°	13162.6
21°	12351.5
22°	11758.5
23°	11069.2
24°	10435.6
25°	9837.6
26°	9133.1
27°	8499.7
28°	7931.9
29°	7308.5
30°	6411.4
31°	5904.7
32°	5266.0
33°	4566.5
34°	4034.4
35°	3563.0
37.5°	2255.3
40°	1018.8
42.5°	694.4
45°	370.0
47.5°	207.7
50°	5.1
52.5°	20.3
55°	5.1
57.5°	30.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.1
62.5°	25.4
65°	10.2
67.5°	25.4
70°	15.3
72.5°	5.1
75°	10.2
77.5°	0.0
80°	5.1
82.5°	20.3
85°	15.3
87.5°	0.0
90°	0.0

(END OF REPORT)